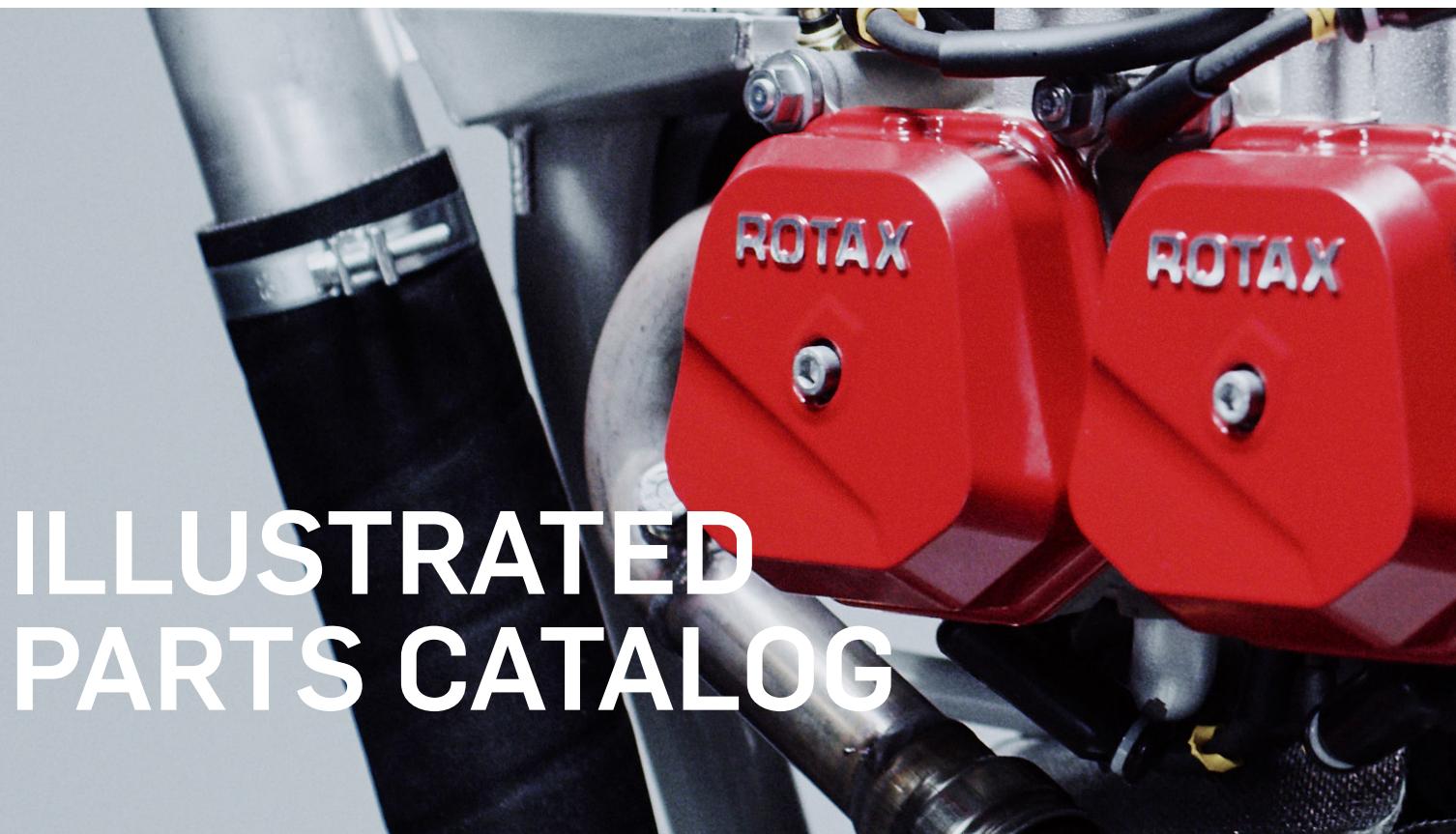


**ROTAX®**



# ILLUSTRATED PARTS CATALOG

FOR ROTAX® ENGINE TYPE 912 AND 914 SERIES

REF. NO.: ETK/IPC-912/914 | PART NO.: 899473



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**Chapter) TOA**

**Content**

Summary of the relevant amendments in this context, but makes no claim to completeness.

| current no.      | chapter                                      | page                              | date of change   | comments   |
|------------------|--|-----------------------------------|--|--|
| 0                | all  | all                               | January 01/2017  | New layout: documentation main language = English, upgrade of part numbers / part description and figures                                |
| 1<br>1<br>1<br>1 | 24-20-00<br>72-10-00<br>72-20-00<br>79-20-00 | 4<br>7<br>13<br>8                 | March 01/2017<br>March 01/2017<br>March 01/2017<br>March 01/2017 | Correction of description<br>Correction of part number<br>Correction of legend<br>Correction of illustration                             |
| 2<br>2           | 00-00-00 to 80-10-00                         | see affected pages LEP            | March 01/2018  | Correction of illustration<br>Correction of part number  |
| 3<br>3<br>3<br>3 | 72-10-00<br>72-20-00<br>74-20-00<br>79-20-00 | 2,4-9,11<br>19,20,21<br>6<br>9,10 | June 01/2018<br>June 01/2018<br>June 01/2018<br>June 01/2018     | New Gearbox with oil spray nozzle assy.<br>Correction of parts per engine<br>Correction of parts per engine<br>Correction of part number |
| 4                | 00-00-00 to 80-10-00                         | see affected pages LEP            | August 01 2021   | Introduction of a new fuel pump<br>Correction of illustration<br>Correction of part number   |

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**Chapter) 00-00-00**  
**GENERAL NOTE**

**Modification**

The information and components-/system descriptions contained in this Illustrated Parts Catalog are correct at the time of publication.

BRP-Rotax, however, maintains a policy of continuous improvement of its products without imposing upon itself any obligation to install them on its products previously manufactured.

BRP-Rotax reserves the right at any time to discontinue or change specification, designs, features, models or equipment without incurring obligation.

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**Note**

This Illustrated Parts Catalog is not an offer to sell parts, but a catalog illustrating the parts available at ROTAX authorized distributors.

BRP-Rotax reserves the right to deliver the components (crankshaft, crankcase, special tools etc.) only to organisations with respective qualifications.

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**Color variations**

**Color variations on unpainted castings:**

On unpainted surfaces (i.e. aluminum cases) minor color variations (i.e. grey tone on aluminum surface) are possible due to the manufacturing process. Such possible color variations do not affect the quality of the product and are no reason for rejection - even a color variation on castings in differing areas is acceptable.

---

**Tightening torque**

Generally all the fasteners on a ROTAX® engine are tightened with a torque wrench. The tightening torque must always be done according to the content of the latest Maintenance Manual Heavy for the respective engine type.

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**Revisions**

This Illustrated Parts Catalog will be revised once a year or as required.

NOTES:      Date of issue or number of revision is printed on cover and bottom end of page.

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**BRP-Rotax**  
ILLUSTRATED PARTS CATALOG

## **1) Introduction**

### **1.1) Explanation**

As obvious from the cover, this Illustrated Parts Catalog covers the current ROTAX aircraft engine type 912 and 914 Series. Certified and non-certified versions are available.

Besides the engine-specific parts, the most popular accessories are also listed.

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#### **Certification**

The **ROTAX** engine type **912 A** has been certified in accordance with JAR 22 Appendix H, Amdt. 1 dated 18 May 1981.

The **ROTAX** engine type **912 F** and **912 S** have been certified in accordance with FAR Part 33 Amdt. 15.

The **ROTAX** engine type **914 F** has been certified in accordance with FAR Part 33 Amdt. 15 and JAR E Change 9 dated 21 October 1994.

The following **ROTAX** engines are non-certified:

**ROTAX 912 UL, ROTAX 912 ULS, ROTAX 912 ULS FR, ROTAX 914 UL**

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**BRP-Rotax**  
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## 1.2) Parts order

At a parts order for a certified engine, state details of application e.g. 912 S certified to EASA CS-E. For these parts an Authorized Release Certificate (FORM ONE TAG, see sample below) will be issued. For parts volume see enclosed packing slip.

|   |                |   |         |   |                                    |
|---|----------------|---|---------|---|------------------------------------|
| 1. Approving Competent Authority/Company<br><b>Austro Control GmbH</b>  |                | 2. AUTHORISED RELEASE CERTIFICATE<br><b>EASA FORM 1</b>   |         | 3. Form Tracking Number                                 |                                    |
| 4. Approved Organisation Name and Address:<br><b>ROTAX</b> BRP-Powertrain GmbH & Co KG<br>AIRCRAFT ENGINES<br>A-4623 Gmünd, Austria<br>Welserstraße 32  |                |   |         | 5. Work Order/Contract/Invoice<br>Delivery Note<br>Date |                                    |
| 6. Item   | 7. Description | 8. Part No.   | 9. Qty. | 10. Serial-No.  | 11. Status/Work                    |
|   |                |   |         |   |                                    |
| 12. Remarks   |                |   |         |   |                                    |
| Next overhaul after      h or      years of first operation<br>Service Bulletin optional:      Service Bulletin effect:<br>Service Bulletin not applicable:   |                |   |         |   |                                    |
| <small>Displayed for :<br/>Limited life parts will normally be accompanied by maintenance history including life used.</small>  |                |   |         |   |                                    |
| 13a. Certifies that the items identified above were manufactured in conformity to:<br><input checked="" type="checkbox"/> approved design data and are in condition for safe operation<br><input type="checkbox"/> non-approved design data specified in block 12 |                | 14a. <input type="checkbox"/> Part-145.A.50 Release to Service <input type="checkbox"/> Other Regulation specified in block 12<br><small>Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, was accomplished in accordance with Part 145 and in respect to that work the items are considered ready for release to service</small> |         |   |                                    |
| 13b. Authorised Signature<br><i>(Electronic Signature or File)</i>  |                | 13c. Approval/Authorisation Number<br><b>AT.21G.0006</b>  |         | 14b. Authorised Signature                               | 14c. Certificate/Approval Ref. No. |
| 13d. Name   |                | 13e. Date (dd mmm yyyy)   |         | 14d. Name   |                                    |
| <small>Regarding User/Installer responsibilities, Import/Storage requirements please see reverse side</small> <span style="float: right;">PRINTED FROM ELECTRONIC FILE</span>   |                |   |         |   |                                    |

06389

### Engine serial number

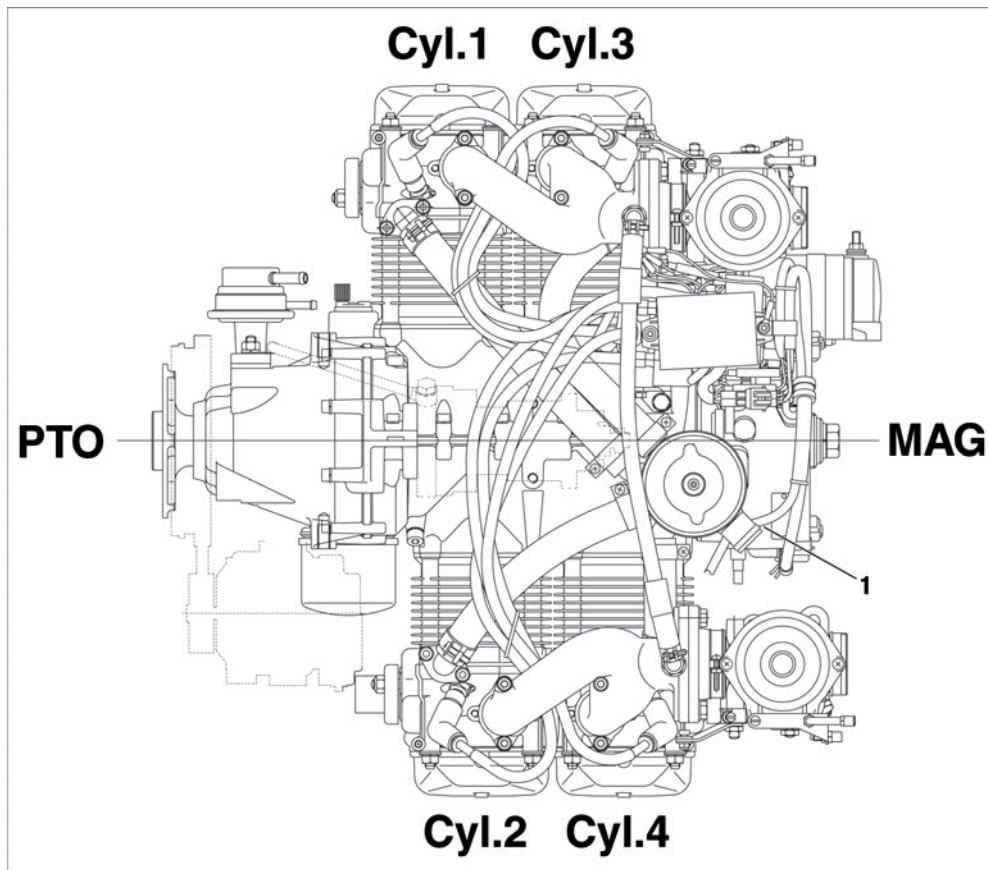
On all enquirers or spare part orders, always indicate engine serial number, as the manufacturer makes modification to engine for further development.

The engine serial number (1) is located on the top of the ignition housing. See Fig 1.

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**1.3) Engine view and denomination of the cylinders**

|               |                     |
|---------------|---------------------|
| <b>PTO</b>    | power take off side |
| <b>MAG</b>    | magneto side        |
| <b>Cyl. 1</b> | Cylinder 1          |
| <b>Cyl. 2</b> | Cylinder 2          |
| <b>Cyl. 3</b> | Cylinder 3          |
| <b>Cyl. 4</b> | Cylinder 4          |



*Fig 1*

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## 1.4) Repeating symbols

### Safety notice

This catalog uses the following symbols to emphasize particular information. These indications are important and must be respected.



**Identifies an instruction which, if not followed, may cause serious injury including the possibility of death.**



**Identifies an instruction which, if not followed, may cause minor or moderate injury.**



**Denotes an instruction which, if not followed, may severely damage the engine or other component.**

### NOTES:

**Indicates supplementary information which may be needed to fully complete or understand an instruction.**

XXX

In illustrations this sign indicates you the position of the current serial number (e.g. on crankshaft, camshaft, etc.)

A revision bar outside of the page margin indicates a change to text or graphic.

## 1.5) Structure

### Exploded view

Each section starts with an exploded view of the type 912/914 Series on the left side. The corresponding heading and the listing of the parts is on the right side and the following pages.

The numbering on the exploded view is in the sequence of assembly as good as practicable.

For prevention of errors and to simplify exchange we tried best to list the part number of each component only once. But for better understanding components are frequently depicted without being listed, but referred to a respective section, if considered necessary.

### Engine-column

For each engine type the right amount of spare parts per engine is listed in the relevant engine-column.

If the quantity is in brackets it indicates that the part is not absolutely necessary but optional on the respective engine type.

A small letter added to the number refers to information at the end of the section.

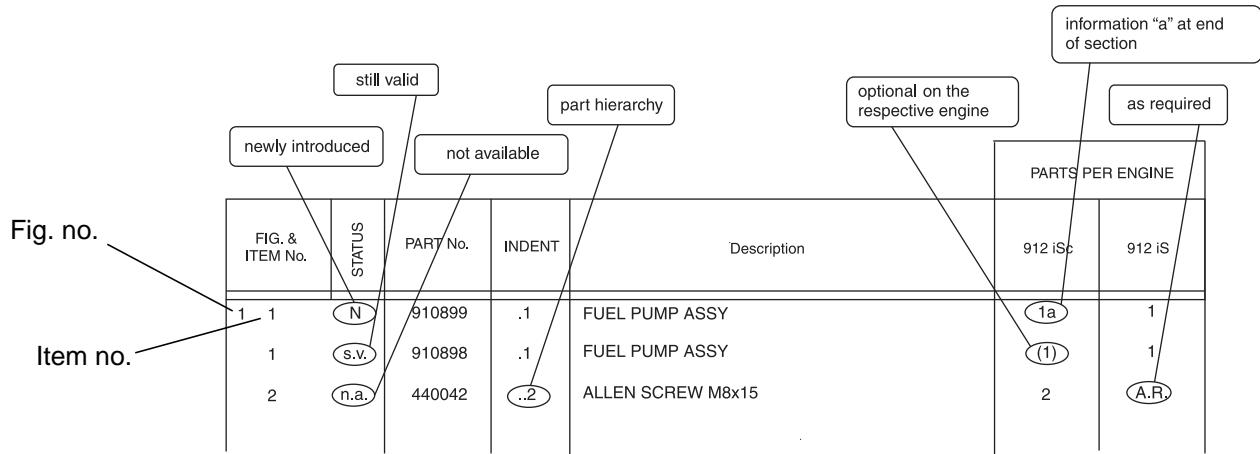
No number in the column parts per assembly indicates that this part is not planned for the respective engine.

### Status

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In the column "status" find the following statement:

|             |  |
|-------------|--|
| <b>N</b>    | newly introduced part  |
| <b>s.v.</b> | still valid, part was replaced by compatible component and can not be supplied any longer by the producer. Existing stock may be used. |
| <b>n.a.</b> | not available  |
| <b>AR</b>   | as required  |

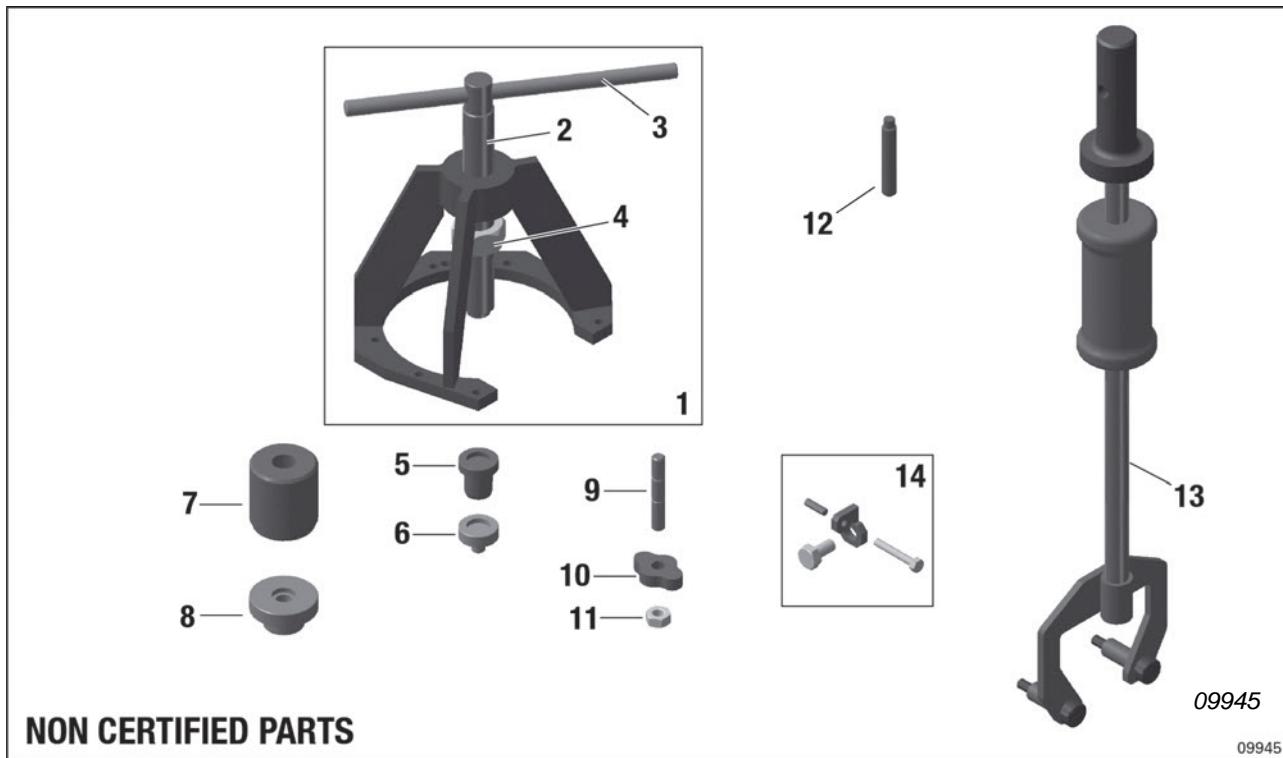


*Fig 2*

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**REPAIR TOOLS**



| ITEM NO. | Application                               | ITEM NO. | Application  |
|----------|---|----------|--|
| 1-4      | Roller bearing 25x25x15, oil seal 30x52x7 | 9        | Roller bearing 25x52x15, oil seal 30x52x7                  |
| 5        | Prop shaft version 2                      | 10-11    | Roller bearing 25x52x15, oil seal 30x52x7, oil inlet cover |
| 6        | Prop shaft version 3                      | 12       | Crankshaft locking screw M8x50                             |
| 7        | Oil seal 30x52x7 version 2                | 13-14    | Gearbox  |
| 8        | Roller bearing 25x52x15                   |          |  |

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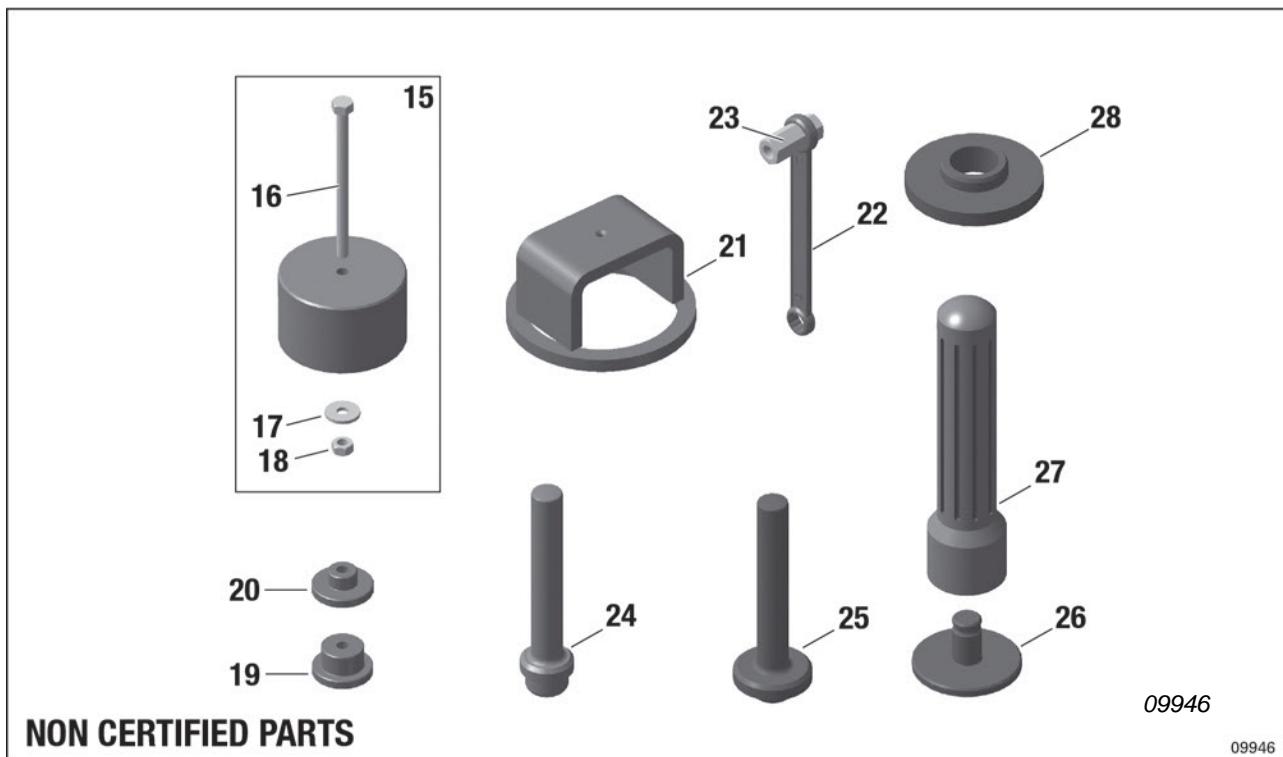
**REPAIR TOOLS**

| FIG. & ITEM NO. | STATUS | PART NO. | INDENT | Description              | Parts per Engine |       |       |        |         |       |        |
|-----------------|--------|----------|--------|--------------------------|------------------|-------|-------|--------|---------|-------|--------|
|                 |        |          |        |                          | 912 A            | 912 F | 912 S | 912 UL | 912 ULS | 914 F | 914 UL |
| 1-4             |        | 877615   | .1     | EXTRACTOR ASSY.          | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 2               |        | 877580   | .2     | PULL -IN SPINDLE M24x1.5 | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 3               |        | 276155   | .2     | BOLT 12X250              | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 4               |        | 842585   | .2     | HEX.SCREW M24X1.5 - 19MM | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 5               |        | 877605   | .1     | PRESS-OUT MUSHROOM       | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 6               |        | 877600   | .1     | PRESS-OUT MUSHROOM       | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 7               |        | 877594   | .1     | PRESS-IN JIG             | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 8               |        | 877590   | .1     | PRESS-IN MUSHROOM        | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 9               |        | 941180   | .1     | STUD M10X45/20           | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 10              |        | 877561   | .1     | PULL-OUT PLATE           | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 11              |        | 242092   | .1     | HEX. NUT M10             | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 12              |        | 240880   | .1     | THREAD BOLT M8X50        | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 13              |        | 877660   | .1     | PULLER ASSY.             | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 14              | N      | 877540   | .1     | PUSHING JIG ASSY.        | 1                | 1     | 1     | 1      | 1       | 1     | 1      |

- Items not illustrated

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**REPAIR TOOLS**



| ITEM NO. | Application   | ITEM NO. | Application  |
|----------|---|----------|--|
| 15-18    | Ball bearing 15x32x8, Oil inlet flange, oil inlet cover | 24       | Ball bearing 15x32x8, needle sleeve-vacuum pump                    |
| 19       | Needle bearing 22x28x12-vacuum pump                     | 25       | Oil seal 22x32x7 vacuum pump                                       |
| 20       | Ball bearing 15x32x8-vacuum pump                        | 26       | Oil seal 40x55x7 gear box cover                                    |
| 21       | To compress dog gear                                    | 27       | Stamp  |
| 22       | Ring wrench 10/13                                       | 28       | Ball bearing 35-72-17, propeller shaft handle with part no. 876518 |
| 23       | Fixture for vacuum pump drive                           |          |  |

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**REPAIR TOOLS**

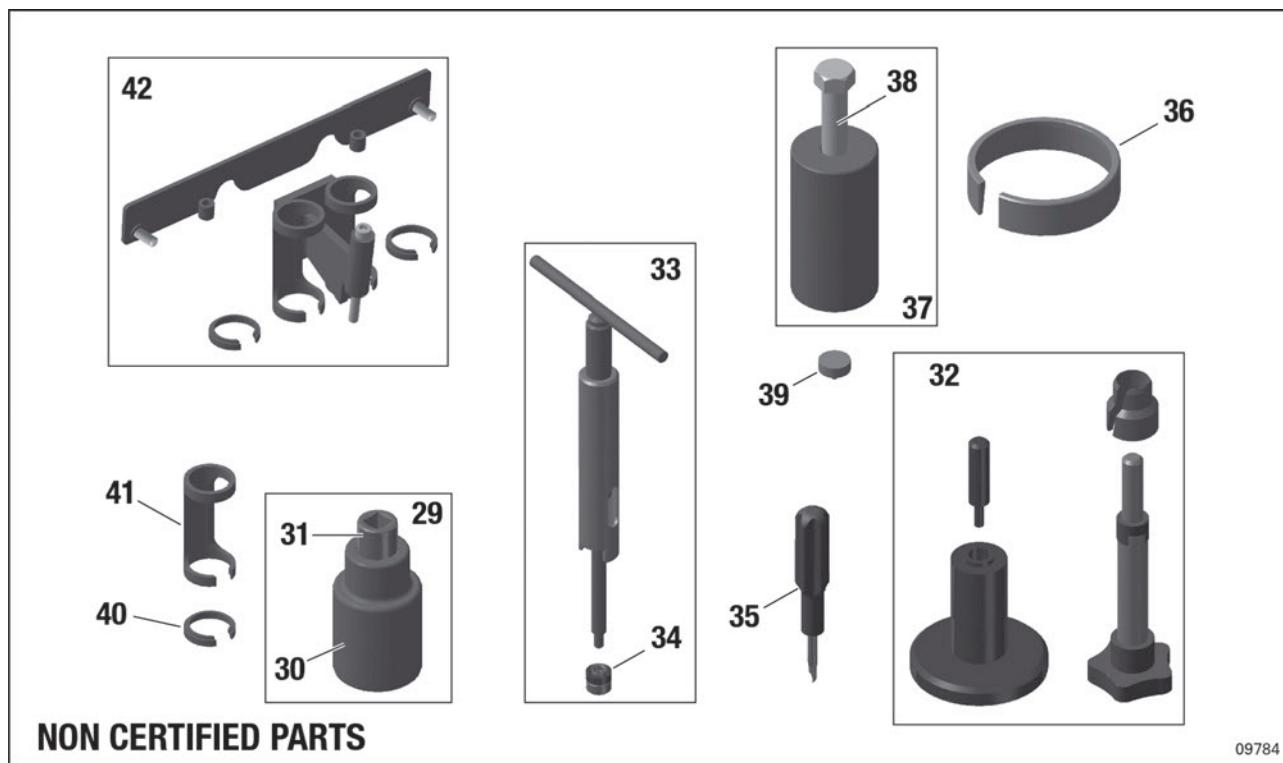
| FIG. & ITEM NO. | STATUS | PART NO. | INDENT | Description              | Parts per Engine |       |       |        |         |       |        |
|-----------------|--------|----------|--------|--------------------------|------------------|-------|-------|--------|---------|-------|--------|
|                 |        |          |        |                          | 912 A            | 912 F | 912 S | 912 UL | 912 ULS | 914 F | 914 UL |
| 15-18           |        | 876489   | .1     | PULLER ASSY.             | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 16              |        | 941730   | .2     | HEX.SCREW M6X80          | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 17              |        | 827305   | .2     | WASHER 6.2/18/2          | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 18              |        | 242211   | .2     | HEX.NUT M6               | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 19              |        | 877597   | .1     | PRESS-IN MUSHROOM        | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 20              |        | 877595   | .1     | PRESS-IN MUSHROOM        | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 21              |        | 876885   | .1     | MOUNTING YOKE            | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 22              |        | 876470   | .1     | RING SPANNER 10/13       | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 23              |        | 242661   | .1     | DISTANCE NUT M8X33       | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 24              |        | 276332   | .1     | INSERTION JIG ASSY.      | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 25              |        | 877276   | .1     | INSERTION JIG ASSY.      | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 26              |        | 876518   | .1     | INSERTION JIG            | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 27              |        | 877650   | .1     | HANDLE FOR INSERTION JIG | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 28              |        | 877320   | .1     | PRESS-IN RING            | 1                | 1     | 1     | 1      | 1       | 1     | 1      |

- Items not illustrated

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**REPAIR TOOLS**



| ITEM NO. | Application                         | ITEM NO. | Application   |
|----------|-------------------------------------|----------|---|
| 29-31    | Hex nut A/F 41 - gear on crankshaft | 36       | Piston diameter 79.5 mm/3.13 in.                    |
| 32       | Fitting of piston pin circlips      | 37-38    | Puller Magneto hub and sprag clutch                 |
| 33-34    | Fitting and removal of piston pin   | 39       | Crankshaft magneto side                             |
| 35       | Mono hook clips puller              | 40       | Adapter ring assy. for valve spring mounting device |
| 36       | Piston diameter 84 mm/3.3 in.       | 40-42    | Installation/Removal of valve spring                |

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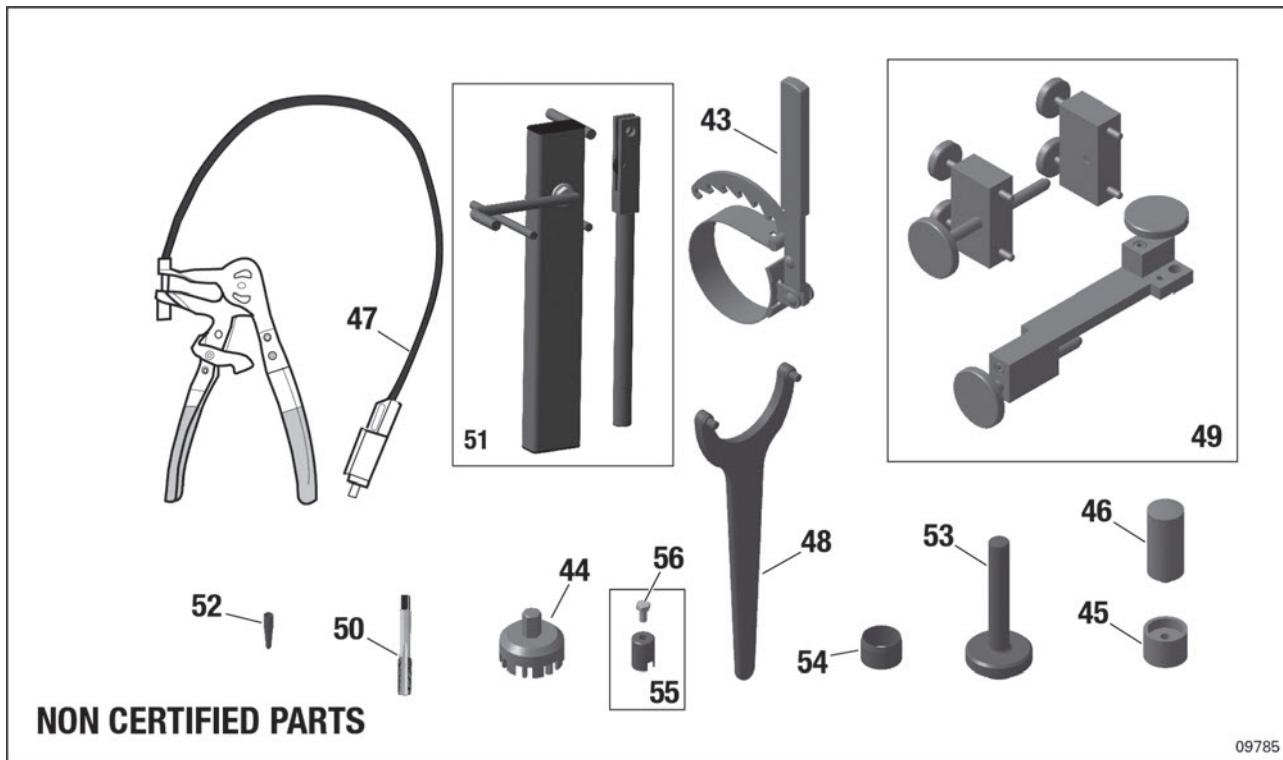
**REPAIR TOOLS**

| FIG. & ITEM NO. | STATUS | PART NO. | INDENT | Description                  | Parts per Engine |       |       |        |         |       |        |
|-----------------|--------|----------|--------|------------------------------|------------------|-------|-------|--------|---------|-------|--------|
|                 |        |          |        |                              | 912 A            | 912 F | 912 S | 912 UL | 912 ULS | 914 F | 914 UL |
| 29              |        | 877445   | .1     | SOCKET WRENCH ASSY. 41X12.5  | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 30              |        | 877440   | .1     | SOCKET WRENCH A/F 41X20      | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 31              |        | 877460   | .1     | REDUCING SOCKET 3/4"-1/2"    | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 32              |        | 877802   | .1     | CIRCLIP INSTALLATION TOOL    | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 33-34           |        | 877091   | .1     | PISTON PIN EXTRACTOR ASSY.   | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 34              | n.a.   | 877155   | .2     | EXTRACTING NUT ASSY.         | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 35              |        | 976380   | .1     | MONOHOOK CIRCLIP REMOVER     | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 36              |        | 876967   | .1     | PISTON RING SPANNER 84 MM    |                  |       | 1     |        | 1       |       |        |
| 36              |        | 876978   | .1     | PISTON RING SPANNER 79.5 MM  | 1                | 1     |       | 1      |         | 1     | 1      |
| 37-38           |        | 877375   | .1     | PULLER ASSY.                 | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 38              | n.a.   | 940755   | .2     | HEX. SCREW M16X1.5X150       | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 39              |        | 877417   | .1     | PROTECTION MUSHROOM          | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 40              |        | 877790   | .1     | ADAPTER RING ASSY.           | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 41              |        | 877380   | .1     | VALVE SPRING MOUNTING DEVICE | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 42              |        | 877387   | .1     | VALVE SPRING LOADING JIG     | 1                | 1     | 1     | 1      | 1       | 1     | 1      |

- Items not illustrated

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**REPAIR TOOLS**



| ITEM NO. | Application                       | ITEM NO. | Application   |
|----------|-----------------------------------|----------|---|
| 43       | Oil filter removal                | 50       | Thread bent socket                                    |
| 44       | Water pump impeller               | 51       | Oil filter  |
| 45       | Rotary seal water pump            | 52       | For O-ring 3.2x1.8 idle mixture screw and idle jet 35 |
| 46       | Oil Seal 12x30x7 water pump shaft | 53       | Oil Seal 32x52x7 crankshaft magneto side (ms)         |
| 47       | Spring type hose clip 28          | 54       | Oil Seal 32x52x7 crankshaft ms                        |
| 48       | Overload clutch                   | 55       | For check of float chamber                            |
| 49       | Crankcase                         | 56       | For float level gauge                                 |

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**REPAIR TOOLS**

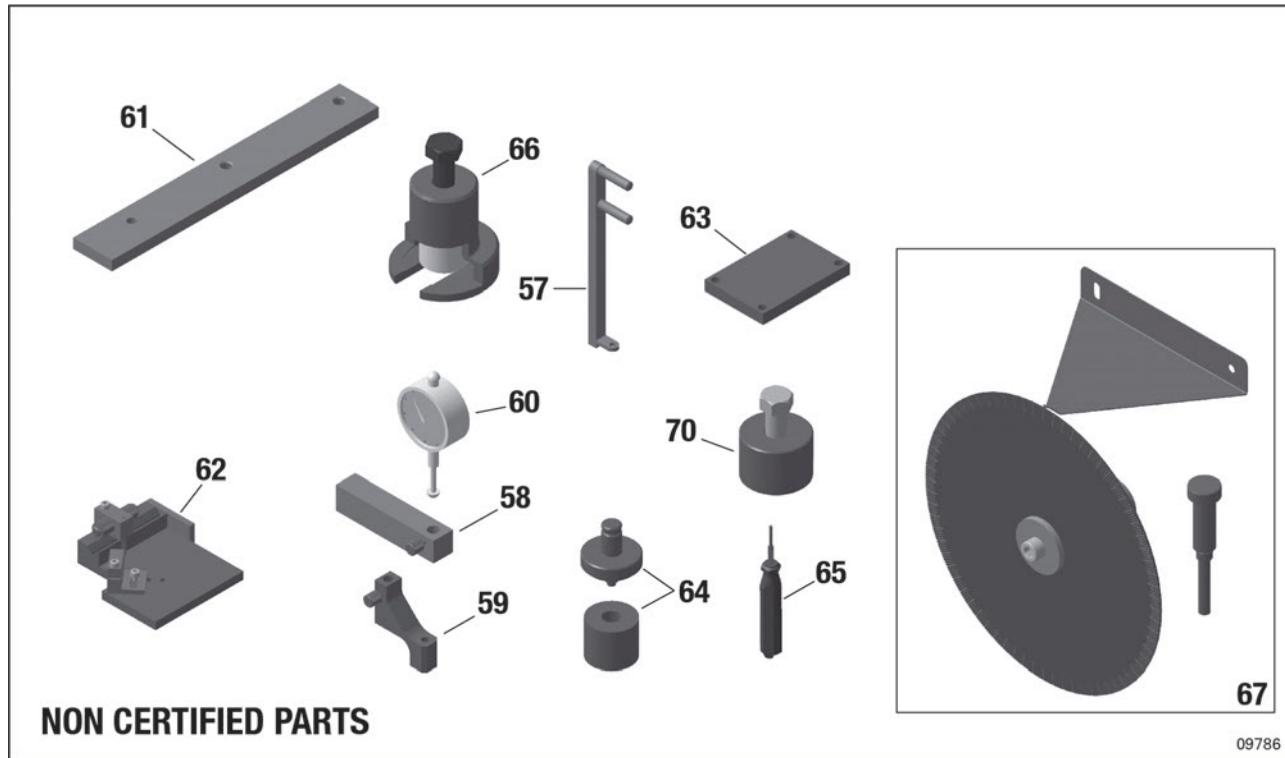
| FIG. & ITEM NO. | STATUS    | PART NO. | INDENT | Description              | Parts per Engine |       |       |        |         |       |        |
|-----------------|-----------|----------|--------|--------------------------|------------------|-------|-------|--------|---------|-------|--------|
|                 |           |          |        |                          | 912 A            | 912 F | 912 S | 912 UL | 912 ULS | 914 F | 914 UL |
| 43              |           | 877620   | .1     | OIL FILTER WRENCH 80-110 | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 44              |           | 877295   | .1     | IMPELLER WRENCH ASSY.    | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 45              |           | 877258   | .1     | INSERTION JIG            | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 46              |           | 876510   | .1     | INSERTION JIG            | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 47              |           | 877840   | .1     | SPRING CLAMP PLIERS      | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 48              |           | 877390   | .1     | NUT SPANNER A90          | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 49              | N<br>n.a. | 877766   | .1     | CRANKCASE SPLITTING TOOL | 1a               | 1a    | 1a    | 1a     | 1a      | 1a    | 1a     |
|                 |           | 877765   |        | ASSY.                    |                  |       |       |        |         |       |        |
| 50              |           | 877570   | .1     | TAPPING DRILL M18X1      | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 51              | N<br>S.V. | 276275   | .1     | CUTTING TOOL             | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
|                 |           | 877670   |        |                          |                  |       |       |        |         |       |        |
| 52              |           | 877110   | .1     | GUIDE SLEEVE             | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 53              |           | 877270   | .1     | INSERTION JIG ASSY.      | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 54              |           | 877360   | .1     | GUIDE SLEEVE             | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 55-56           |           | 877730   | .1     | FLOAT LEVEL GAUGE ASSY.  | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 56              | n.a.      | 240381   | .1     | HEX. SCREW M6x12         | 1                | 1     | 1     | 1      | 1       | 1     | 1      |

- Items not illustrated

| a for all 912 and 914 Series. Part no. 877765 not for 912 iS Series and 915 i S Series.

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**REPAIR TOOLS**



| ITEM NO. | Application   | ITEM NO. | Application                                  |
|----------|---|----------|--|
| 57       | Checking of hydraulic valve tappet and valve spring force | 63       | For aligning cylinders                       |
| 58       | Checking plain bearing protrusion                         | 64       | Oil seal 6x11x3/ 4.5 of rev counter housing  |
| 59-60    | Dial gauge  | 65       | To release the cable on electr. connectors   |
| 61       | Checking plain bearing position                           | 66       | For press in of worm gear, mech. rev counter |
| 62       | Dial gauge adapter for valve seat inspect                 | 67       | See MM Line Chapt. 05-50-00                  |

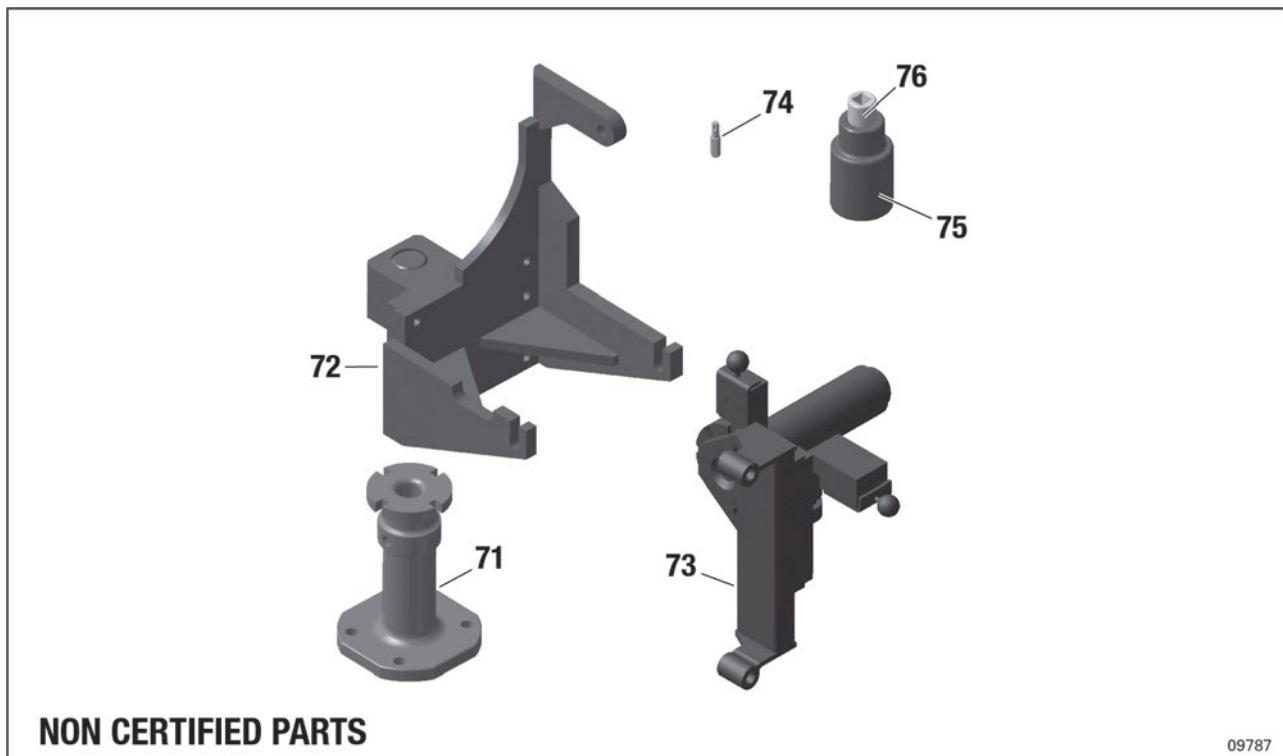
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**REPAIR TOOLS**

| FIG. & ITEM NO. | STATUS    | PART NO. | INDENT | Description                            | Teile pro Motortype /Parts per Engine |       |       |        |         |       |        |
|-----------------|-----------|----------|--------|--|---------------------------------------|-------|-------|--------|---------|-------|--------|
|                 |           |          |        |  | 912 A                                 | 912 F | 912 S | 912 UL | 912 ULS | 914 F | 914 UL |
| 57              |           | 877690   | .1     | CHECK LEVER                            | 1                                     | 1     | 1     | 1      | 1       | 1     | 1      |
| 58              |           | 877316   | .1     | GRADUATED STRAIGHTEDGE ASSY.           | 1                                     | 1     | 1     | 1      | 1       | 1     | 1      |
| 59              |           | 877710   | .1     | DIAL GAUGE ADAPTER ASSY                | 1                                     | 1     | 1     | 1      | 1       | 1     | 1      |
| 60              |           | 876950   | .1     | PRECISION DIAL GAUGE                   | 1                                     | 1     | 1     | 1      | 1       | 1     | 1      |
| 61              |           | 877300   | .1     | ALIGNING PLATE                         | 1                                     | 1     | 1     | 1      | 1       | 1     | 1      |
| 62              |           | 976140   | .1     | DIAL GAUGE ADAPTER ASSY.               | 1                                     | 1     | 1     | 1      | 1       | 1     | 1      |
| 63              | s.v.<br>N | 877262   | .1     | CYLINDER ALIGNING TOOL                 | 1                                     | 1     | 1     | 1      | 1       | 1     | 1      |
| 64              |           | 877263   |        |  |                                       |       |       |        |         |       |        |
| 64              |           | 877680   | .1     | INSERTION JIG WITH SLEEVE              | 1                                     | 1     | 1     | 1      | 1       | 1     | 1      |
| 65              |           | 877500   | .1     | PIN RELEASE TOOL                       | 1                                     | 1     | 1     | 1      | 1       | 1     | 1      |
| 66              |           | 877190   | .1     | PRESS-IN TOOL                          | 1                                     | 1     | 1     | 1      | 1       | 1     | 1      |
| 67              |           | 877520   | .1     | PROTRACTOR CRANKSHAFT DISTORTION INSP. | 1                                     | 1     | 1     | 1      | 1       | 1     | 1      |

- Items not illustrated

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| ITEM NO. | Application   | ITEM NO. | Application   |
|----------|---|----------|---|
| 70       | Slim edition for magneto hub  | 71       | Engine support  |
| 72       | For engine fixation (912 with engine suspension frame on the gearbox/914) | 73       | For engine fixation (912/914) without engine suspension frame |
| 74       | For magnetic drain plug (old version)                                     | 75       | Hex. nut (A/F 46), crankshaft magneto side                    |
| 76       | 1" to 3/4"adapter for socket  |          |   |

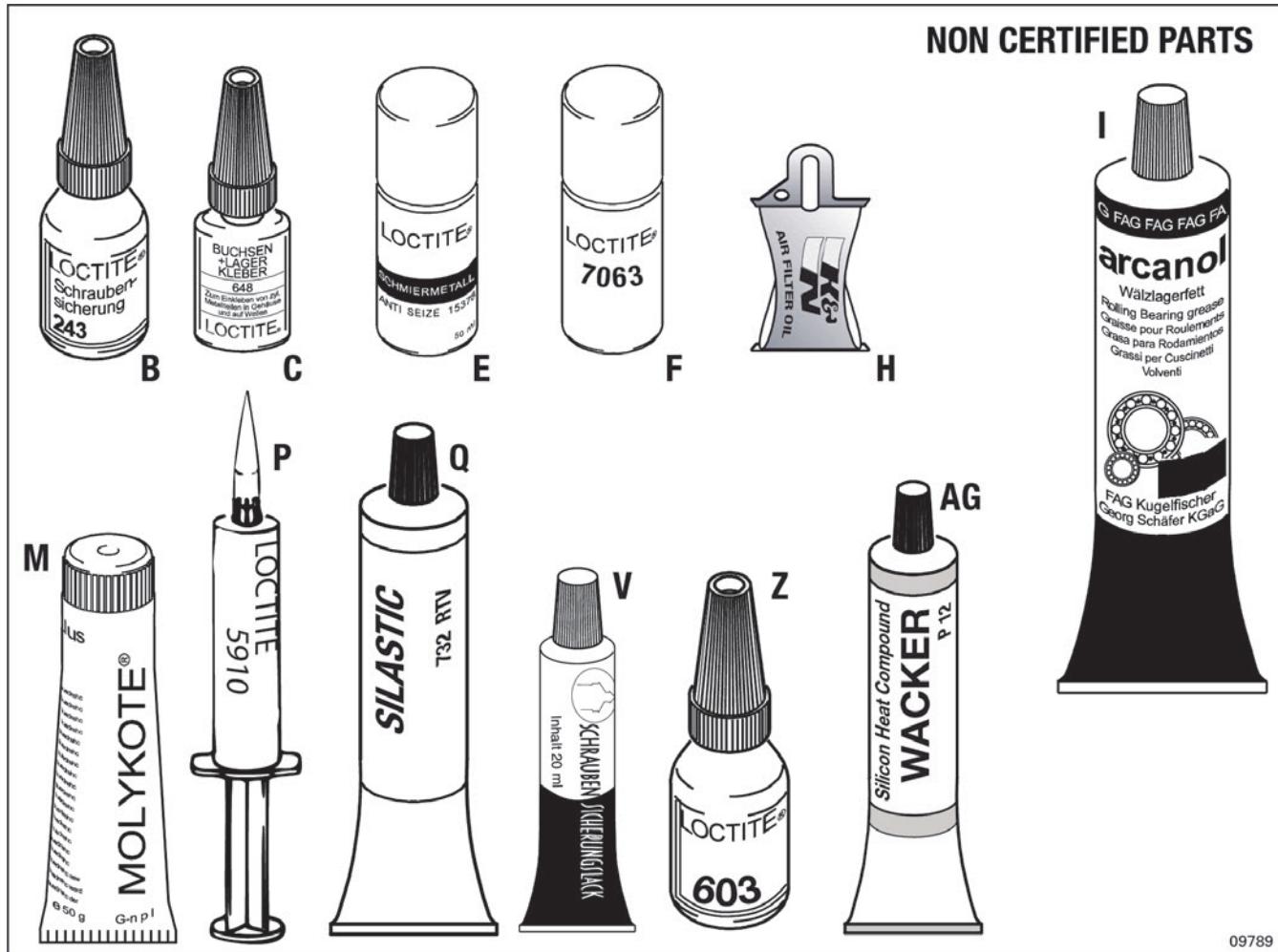
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**REPAIR TOOLS**

| FIG. & ITEM NO. | STATUS | PART NO. | INDENT | Description             | Parts per Engine |       |       |        |         |       |        |
|-----------------|--------|----------|--------|-------------------------|------------------|-------|-------|--------|---------|-------|--------|
|                 |        |          |        |                         | 912 A            | 912 F | 912 S | 912 UL | 912 ULS | 914 F | 914 UL |
| 70              |        | 877377   | .1     | PULLER ASSY.            | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 71              |        | 877930   | .1     | TRESTLE SUPPORT         | 1                | 1     | 1     | 1      | 1       |       |        |
| 72              |        | 877245   | .1     | TRESTLE ADAPTER ASSY.   | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 73              |        | 877240   | .1     | TRESTLE ADAPTER ASSY.   | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 74              |        | 877890   | .1     | TORX-BIT T40            | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 75              |        | 877450   | .1     | SOCKET WRENCH 46x20     | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 76              |        | 877465   | .1     | REDUCING SOCKET 1"-3/4" | 1                | 1     | 1     | 1      | 1       | 1     | 1      |

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**ILLUSTRATED PARTS CATALOG**

**LUBRICANT TOOLS**



| ITEM NO. | Application                 | ITEM NO. | Application   |
|----------|-----------------------------|----------|---|
| B        | Medium strength bond 10 cc. | E        | To prevent metal galling 50 cc.   |
| C        | High strength bond 5 cc.    | F        | Purpose cleaner and degreaser for residue-free surface preparation prior to adhesive application. |
| H        | Filter oil spray can.       | Q        | Ideal for sealing wire entries and connectors, for vibration damping of exhaust springs.          |

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**BRP-Rotax**  
**ILLUSTRATED PARTS CATALOG**

| ITEM NO. | Application  | ITEM NO. | Application  |
|----------|--|----------|--|
| I        | To prevent leakage current; 250 gr.  | V        | Special lacquer which is applied to a fastener to indicate tampering or loosing of the fastener. |
| M        | Solid lubricant paste for the assembly and running-in of metal components. | Z        | High strength bond 10 cc..   |
| P        | Regular body/high adhesion flexible flange sealant.                        | AG       | For better heat transfer from the spark plugs.   |

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ILLUSTRATED PARTS CATALOG

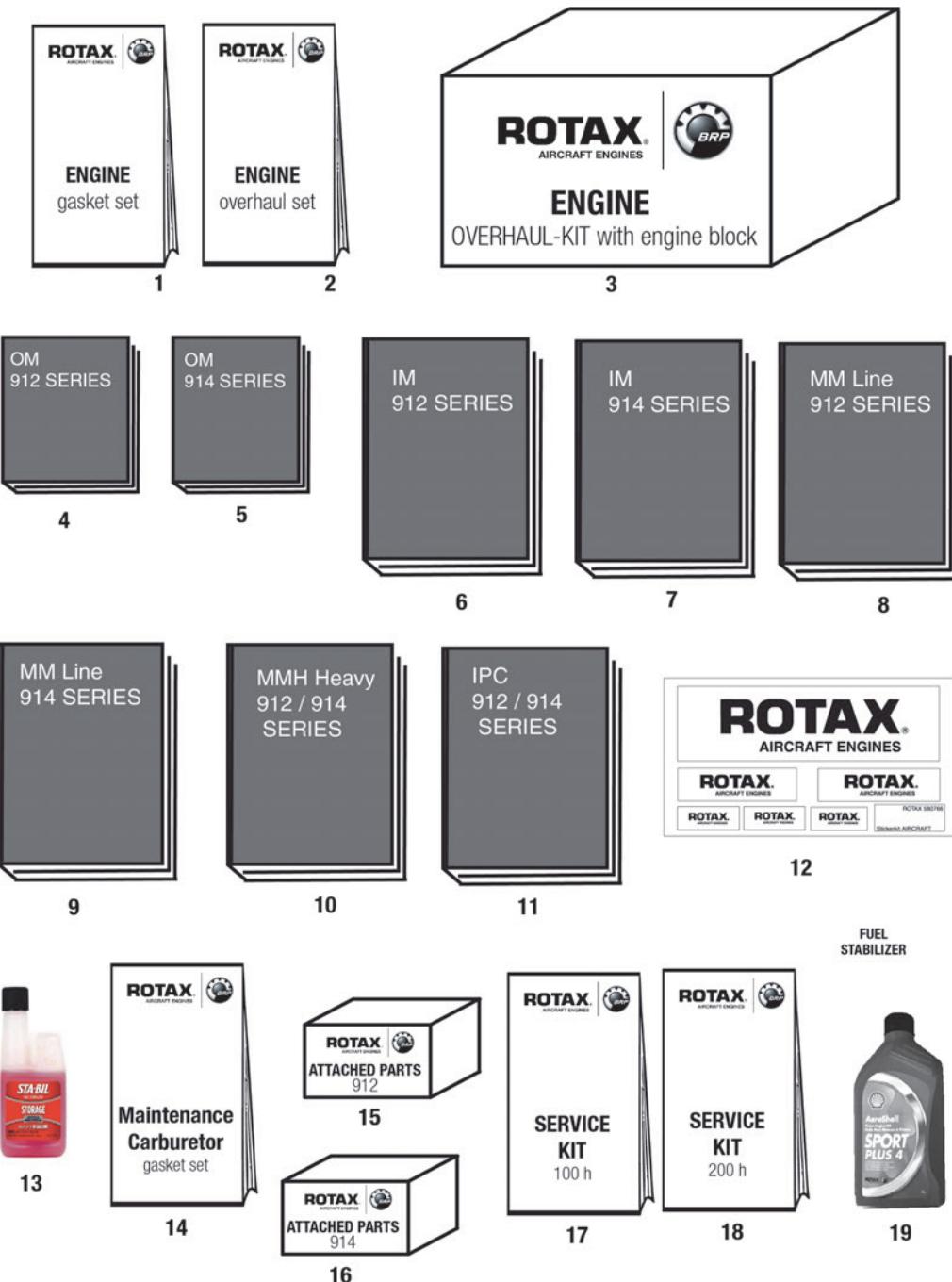
**LUBRICANT TOOLS**

| FIG. & ITEM NO. | STATUS | PART NO. | INDENT | Description                               | Parts per Engine |       |       |        |         |       |        |
|-----------------|--------|----------|--------|---|------------------|-------|-------|--------|---------|-------|--------|
|                 |        |          |        |   | 912 A            | 912 F | 912 S | 912 UL | 912 ULS | 914 F | 914 UL |
| B               |        | 897651   | .1     | LOCTITE 243 BLUE, 10 cc.                  | AR               | AR    | AR    | AR     | AR      | AR    | AR     |
| C               |        | 899788   | .1     | LOCTITE 648 GREEN, 5 cc.                  | AR               | AR    | AR    | AR     | AR      | AR    | AR     |
| E               |        | 297434   | .1     | LOCTITE ANTI SEIZE 8151 50 cc.            | AR               | AR    | AR    | AR     | AR      | AR    | AR     |
| F               | n.a.   | xxx      | .1     | LOCTITE 7063 CLEANER                      | AR               | AR    | AR    | AR     | AR      | AR    | AR     |
| H               |        | 897870   | .1     | FILTER OIL 14.8 cc.                       | AR               | AR    | AR    | AR     | AR      | AR    | AR     |
| I               |        | 897330   | .1     | LITHIUM-BASE GREASE, 250 GR.,             | AR               | AR    | AR    | AR     | AR      | AR    | AR     |
| M               |        | 297433   | .1     | MOLYKOTE G-N 100GR.                       | AR               | AR    | AR    | AR     | AR      | AR    | AR     |
| O               | n.a.   | xxx      | .1     | ENGINE OIL                                | AR               | AR    | AR    | AR     | AR      | AR    | AR     |
| P               |        | 899791   | .1     | LOCTITE 5910, 50 cc.                      | AR               | AR    | AR    | AR     | AR      | AR    | AR     |
| Q               |        | 297386   | .1     | SILASTIC 732 RTV, 100GR.                  | AR               | AR    | AR    | AR     | AR      | AR    | AR     |
| V               | n.a.   | 898570   | .1     | LOCKING PAINT RED                         | AR               | AR    | AR    | AR     | AR      | AR    | AR     |
| Z               |        | 899789   | .1     | LOCTITE 603 GREEN, 10 cc.                 | AR               | AR    | AR    | AR     | AR      | AR    | AR     |
| AG              |        | 897186   | .1     | SILICONE HEAT COMPOUND WACKER P12, 150GR. | AR               | AR    | AR    | AR     | AR      | AR    | AR     |
| -               |        | 899796   | .1     | LOCTITE 577 YELLOW 50 cc.                 | AR               | AR    | AR    | AR     | AR      | AR    | AR     |

- Items not illustrated

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ILLUSTRATED PARTS CATALOG

**GASKET SET, DOCUMENTATIONS**



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**ILLUSTRATED PARTS CATALOG**

**GASKET SET, DOCUMENTATION**

| FIG. & ITEM NO. | STATUS | PART NO. | INDENT | Description                               | Parts per Engine |       |       |        |         |       |        |
|-----------------|--------|----------|--------|---|------------------|-------|-------|--------|---------|-------|--------|
|                 |        |          |        |   | 912 A            | 912 F | 912 S | 912 UL | 912 ULS | 914 F | 914 UL |
| 1               |        | 996944   | .1     | GASKET SET                                | 1a               | 1a    | 1a    | 1a     | 1a      | 1a    | 1a     |
| 1               |        | 996946   | .1     | GASKET SET CARBURETOR                     | 1b               | 1b    | 1b    | 1b     | 1b      |       |        |
| 1               |        | 996947   | .1     | GASKET SET CARBURETOR                     |                  |       |       |        |         | 1b    | 1b     |
| 2               |        | 888304   | .1     | OVERHAUL-KIT                              | 1                | 1     |       | 1      |         |       |        |
| 2               |        | 888306   | .1     | OVERHAUL-KIT                              |                  |       | 1     |        | 1       |       |        |
| 2               |        | 888308   | .1     | OVERHAUL-KIT                              |                  |       |       |        |         | 1     | 1      |
| 3               |        | 893240   | .1     | OVERHAUL-KIT 912-80 HP WITH ENGINE BLOCK  | 1                | 1     |       | 1      |         |       |        |
| 3               |        | 893242   | .1     | OVERHAUL-KIT 912-100 HP WITH ENGINE BLOCK |                  |       | 1     |        | 1       |       |        |
| 3               |        | 893244   | .1     | OVERHAUL-KIT 914 WITH ENGINE BLOCK        |                  |       |       |        |         | 1     | 1      |
| 4               |        | 899700   | .1     | OPERATORS MANUAL 912 SERIES               | 1                | 1     | 1     | 1      | 1       |       |        |
| 5               |        | 899706   | .1     | OPERATORS MANUAL 914 SERIES               |                  |       |       |        |         | 1     | 1      |
| 6               |        | 898644   | .1     | INSTALLATION MANUAL 912 SERIES            | 1                | 1     | 1     | 1      | 1       |       |        |
| 7               |        | 897818   | .1     | INSTALLATION MANUAL 914 SERIES            |                  |       |       |        |         | 1     | 1      |
| 8               |        | 899196   | .1     | MAINTENANCE MANUAL LINE 912 SERIES        | 1                | 1     | 1     | 1      | 1       |       |        |
| 9               |        | 899608   | .1     | MAINTENANCE MANUAL LINE 914 SERIES        |                  |       |       |        |         | 1     | 1      |
| 10              |        | 899603   | .1     | MAINTENANCE MANUAL HEAVY 912/914 SERIES   | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 11              |        | 899473   | .1     | SPARE PARTS CATALOG 912/914 SERIES        | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 12              |        | 580682   | .1     | ROTAX STICKER KIT AIRCRAFT                | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 13              |        | 897346   | .1     | FUEL STABILIZER 118 cc                    | AR               | AR    | AR    | AR     | AR      | AR    | AR     |

- Items not illustrated

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ILLUSTRATED PARTS CATALOG

| FIG. & ITEM NO. | STATUS | PART NO. | INDENT | Description                  | Parts per Engine |       |       |        |         |       |        |
|-----------------|--------|----------|--------|------------------------------|------------------|-------|-------|--------|---------|-------|--------|
|                 |        |          |        |                              | 912 A            | 912 F | 912 S | 912 UL | 912 ULS | 914 F | 914 UL |
| 14              |        | 889534   | .1     | MAINTENANCE SET CARBURETOR   | 2cd              | 2cd   | 2cd   | 2cd    | 2cd     | 2cd   | 2cd    |
| 15              |        | 881055   | .1     | ATTACHED PARTS 912           | 1j               | 1j    | 1j    | 1j     | 1j      |       |        |
| 16              |        | 881057   | .1     | ATTACHED PARTS 914           |                  |       |       |        |         | 1j    | 1j     |
| 17              |        | 481460   | .1     | SERVICE KIT 100 h            | 1g               | 1g    | 1g    | 1g     | 1g      |       |        |
| 18              |        | 481462   | .1     | SERVICE KIT 200 h            | 1h               | 1h    | 1h    | 1h     | 1h      |       |        |
| 17              |        | 481470   | .1     | SERVICE KIT 100 h            |                  |       |       |        |         | 1i    | 1i     |
| 18              |        | 481472   | .1     | SERVICE KIT 200 h            |                  |       |       |        |         | 1h    | 1h     |
| 19              |        | 297997   | .1     | AEROSHELL SPORT PLUS 4 GEN 2 | 4f               | 4f    | 4f    | 4f     | 4f      | 4f    | 4f     |

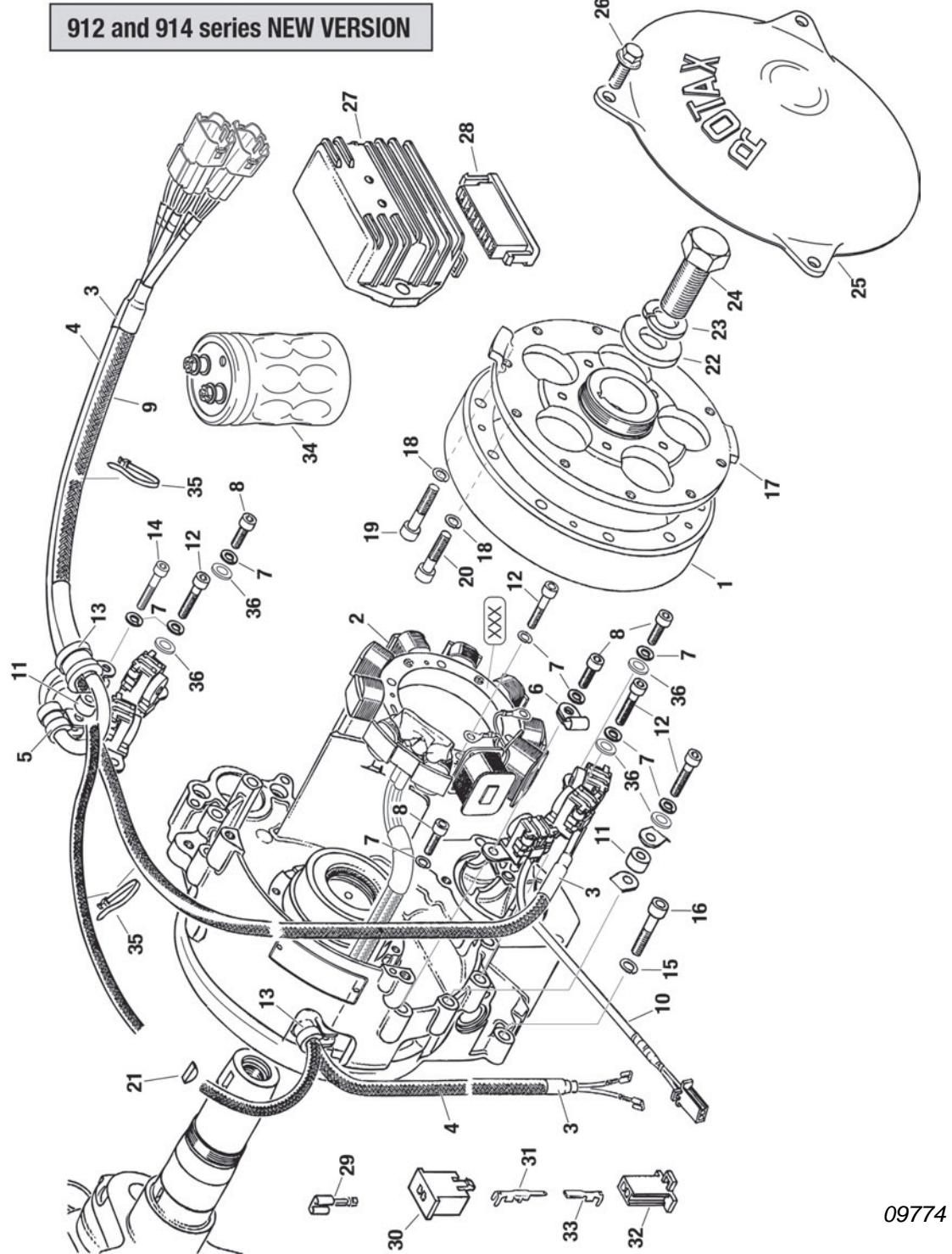
- Items not illustrated

- a for engines without carburetor gasket set
- b Gasket set for both carburetors
- c Maintenance set for 1 carburetor
- d with gasket viton
- e with paper gasket
- f 1000 ml / 0.26 gal. bottle
- g includes: oil filter, gasket ring (oil tank), sealing ring of crankshaft locking screw, carburetor float bowl gasket
- h includes all parts from 100 h kit + spark plugs
- i includes g + O-ring float bowl screw
- j loose parts enclosed inside of new engine crate

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## BRP-Rotax

## ILLUSTRATED PARTS CATALOG

## Chapter) 24-20-00

## MAGNETO-GENERATOR, PICK UP, RECTIFIER REGULATOR

| FIG & ITEM NO. | STATUS | PART NO.         | INDENT | Description             | Parts per Engine |       |       |        |         |       |        |
|----------------|--------|------------------|--------|-------------------------|------------------|-------|-------|--------|---------|-------|--------|
|                |        |                  |        |                         | 912 A            | 912 F | 912 S | 912 UL | 912 ULS | 914 F | 914 UL |
| 1 1            |        | 965192           | .1     | MAGNETO RING            | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 2-6            |        | 891095           | .1     | STATOR ASSY.            | 1b               | 1b    | 1b    | 1b     | 1b      | 1b    | 1b     |
| 3              |        | 860530           | .2     | SHRINK HOSE             | AR               | AR    | AR    | AR     | AR      | AR    | AR     |
| 4 N<br>S.V.    |        | 956620<br>965623 | .2     | SCREENING METAL BRAID   | AR               | AR    | AR    | AR     | AR      | AR    | AR     |
| 5              |        | 851111           | .1     | CABLE CLAMP 8/M5        | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 6 N<br>S.V.    |        | 851566<br>851565 | .1     | CABLE CLAMP 7/M5        | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 7 N<br>S.V.    |        | 945830<br>945750 | .1     | LOCK WASHER A5.         | 12               | 12    | 12    | 12     | 12      | 12    | 12     |
| 8 N<br>S.V.    |        | 840514<br>840511 | .1     | ALLEN SCREW M5x16       | 4                | 4     | 4     | 4      | 4       | 4     | 4      |
| 9,36           |        | 965176           | .1     | TRIGGER COIL KIT 4-POLE | 1d               | 1d    | 1d    | 1d     | 1d      | 1d    | 1d     |
| 9,36           |        | 965179           | .1     | TRIGGER COIL KIT 6-POLE | 1c               | 1c    | 1c    | 1c     | 1c      | 1c    | 1c     |
| 10             |        | 264087           | .1     | TRIGGER COIL ASSY.      | 1e               | 1e    | 1e    | 1e     | 1e      | 1e    | 1e     |
| 11             |        | 847660           | .1     | SPACER 5.2/12/7.4       | 4                | 4     | 4     | 4      | 4       | 4     | 4      |
| 12 N<br>S.V.   |        | 240187<br>240186 | .1     | ALLEN SCREW M5x25       | 7                | 7     | 7     | 7      | 7       | 7     | 7      |
| 13             |        | 851250           | .1     | CABLE CLAMP 15/M5       | 2                | 2     | 2     | 2      | 2       | 2     | 2      |
| 14 N<br>S.V.   |        | 940882<br>940881 | .1     | ALLEN SCREW M5x30       | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 15 N<br>S.V.   |        | 827962<br>827961 | .1     | WASHER 6.4              | 7                | 7     | 7     | 7      | 7       | 7     | 7      |
| 15 N<br>S.V.   |        | 945831<br>945751 | .1     | LOCK WASHER A6          | 7                | 7     | 7     | 7      | 7       | 7     | 7      |
| 16             |        | xxxxxx           | .1     | see Chapt. 75-20-00     | 7                | 7     | 7     | 7      | 7       | 7     | 7      |
| 17 s.v.        |        | 966871           | .1     | FLY WHEEL HUB           | 1                | 1     | 1     | 1      | 1       |       |        |

- Items not illustrated

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| FIG & ITEM NO. | STATUS    | PART NO.         | INDENT | Description                   | Parts per Engine |         |         |         |         |         |         |
|----------------|-----------|------------------|--------|-------------------------------|------------------|---------|---------|---------|---------|---------|---------|
|                |           |                  |        |                               | 912 A            | 912 F   | 912 S   | 912 UL  | 912 ULS | 914 F   | 914 UL  |
| 17             |           | 966872           | .1     | FLY WHEEL HUB - ADVANCE START | 1a               | 1a      | 1a      | 1a      | 1a      |         |         |
| 17             |           | 966877           | .1     | FLY WHEEL HUB                 |                  |         |         |         |         | 1       | 1       |
| 18             |           | 845381           | .1     | LOCK WASHER A6                | 10               | 10      | 10      | 10      | 10      | 10      | 10      |
| 19             |           | 840883           | .1     | ALLEN SCREW M6x30             | 5                | 5       | 5       | 5       | 5       | 5       | 5       |
| 20             |           | 840863           | .1     | ALLEN SCREW M6x25             | 5                | 5       | 5       | 5       | 5       | 5       | 5       |
| 21             |           | 246571           | .1     | WOODRUFF KEY 4x5              | 1                | 1       | 1       | 1       | 1       | 1       | 1       |
| 22             |           | 944073           | .1     | WASHER 17/36/5                | 1                | 1       | 1       | 1       | 1       | 1       | 1       |
| 23             | N<br>s.v. | 945769<br>945768 | .1     | LOCK WASHER 16                | 1                | 1       | 1       | 1       | 1       | 1       | 1       |
| 24             | N<br>s.v. | 841602<br>841601 | .1     | HEX. SCREW M16x1.5x40         | 1                | 1       | 1       | 1       | 1       | 1       | 1       |
| 25             |           | 810980           | .1     | IGNITION COVER                | (1)              | (1)     | 1       | (1)     | 1       | 1       | 1       |
| 26             | N<br>s.v. | 640172<br>640171 | .1     | HEX. SCHRAUBE M6x16           | (3)              | (3)     | 3       | (3)     | 3       | 3       | 3       |
| 27-<br>28      |           | 965349           | .1     | RECTIFIER REGULATOR           | 1                | 1       | 1       | 1       | 1       | 1       | 1       |
| 28             |           | 965335           | .2     | CONNECTOR HOUSING             | 1                | 1       | 1       | 1       | 1       | 1       | 1       |
| 29             |           | 864011           | .1     | FASTON CONNECTOR 6.3x0.8      | AR               | AR      | AR      | AR      | AR      | AR      | AR      |
| 30             |           | 265252           | .1     | CONNECTOR HOUSING, TWO-POLE   | AR<br>g          | AR<br>g | AR<br>g | AR<br>g | AR<br>g | AR<br>g | AR<br>g |
| 31             |           | 265272           | .1     | FASTON CONNECTOR              | AR<br>g          | AR<br>g | AR<br>g | AR<br>g | AR<br>g | AR<br>g | AR<br>g |
| 32             |           | 265250           | .1     | CONNECTOR HOUSING, TWO-POLE   | AR               | AR      | AR      | AR      | AR      | AR      | AR      |
| 33             |           | 265270           | .1     | FASTON CONNECTOR              | AR               | AR      | AR      | AR      | AR      | AR      | AR      |
| 34             |           | 966590           | .1     | CAPACITOR, 22000 MYF 25 V     | 1                | 1       | 1       | 1       | 1       | 1       | 1       |
| 35             |           | 866710           | .1     | CLAMP 142x2.5 MM              | 3                | 3       | 3       | 3       | 3       | 3       | 3       |
| 36             | N<br>s.v. | 827801<br>827800 | .1     | WASHER A 5,5                  | 7f               | 7f      | 7f      | 7f      | 7f      | 7f      | 7f      |

- Items not illustrated

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- | a See SI-912-028 Advanced start system
- | b SI-912-013 / SI-914-016 standardization of the ignition unit
- | c Trigger coil kit with elongated hole for adjustment and 6-pole connector incl. 7 pcs. part no. 827801
- | d 4-pole connector and trigger coil without alignment incl. 7 pcs. part no. 827801.  
Replaced trigger coil kit part no. 965177.

See Maintenance Manual Heavy of the respective engine type, current issue.

- | e Trigger coil for rev. counter to part no. 965176 and part no. 965179
- | f At all trigger coils with long hole
- | g Not with Form 1

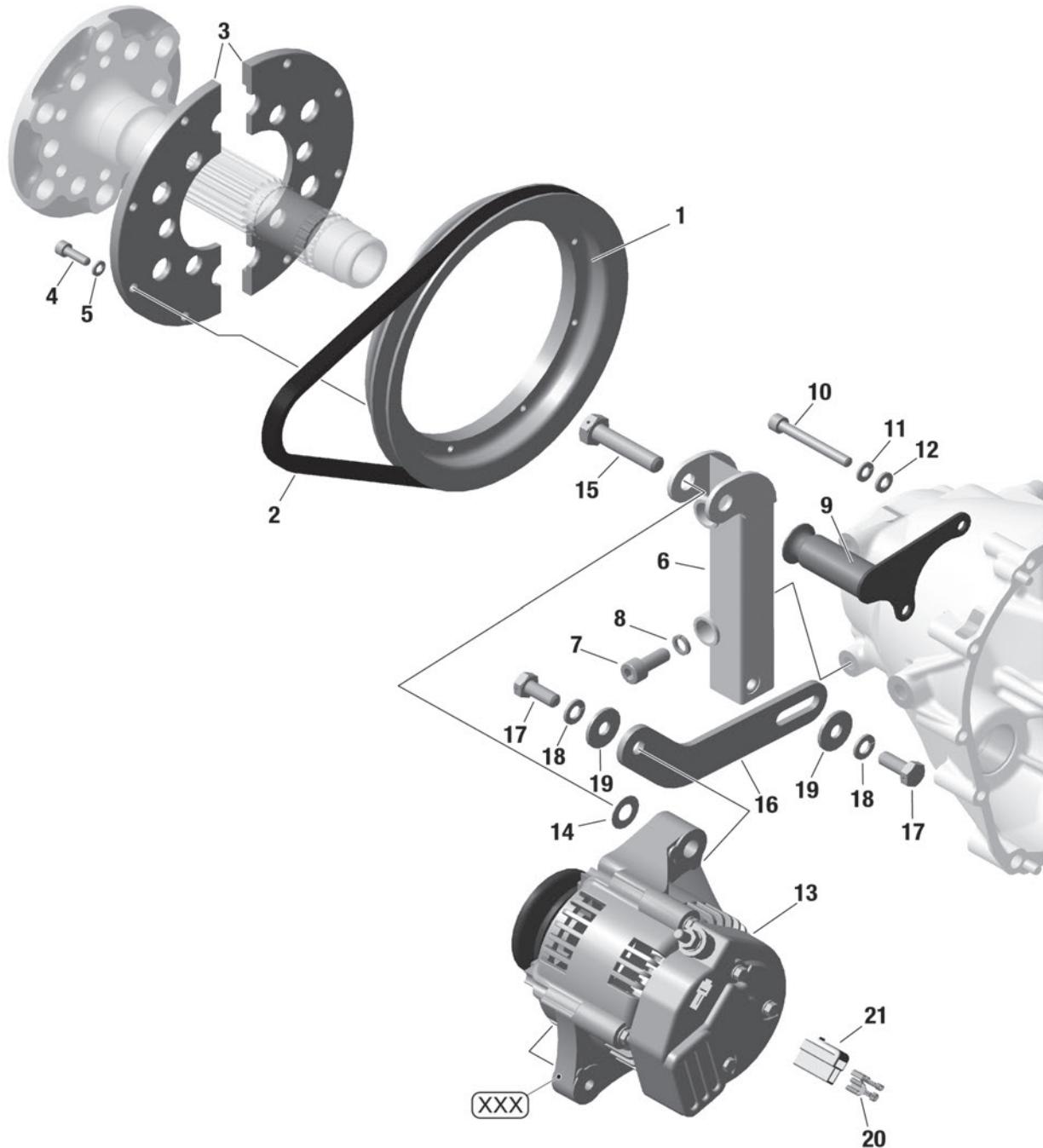
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**Fig. 24-30-00-1**

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**Chapter) 24-30-00**  
**EXTERNAL ALTERNATOR (ALL PARTS OPTIONAL)**

| FIG &<br>ITEM NO. | STATUS    | PART<br>NO. | INDENT | Description                   | Parts per Engine |       |       |        |         |       |        |
|-------------------|-----------|-------------|--------|-------------------------------|------------------|-------|-------|--------|---------|-------|--------|
|                   |           |             |        |                               | 912 A            | 912 F | 912 S | 912 UL | 912 ULS | 914 F | 914 UL |
| 1                 | 1-21      | 887254      | .1     | ALTERNATOR SET                | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
|                   | 1         | 980590      | .2     | V-BELT PULLEY                 | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 2                 |           | 980400      | .2     | V-BELT 9.5X675                | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 3                 |           | 980605      | .2     | PULLEY CARRIER                | 2                | 2     | 2     | 2      | 2       | 2     | 2      |
| 4                 | N<br>S.V. | 840514      | .2     | ALLEN SCREW M5X16             | 8                | 8     | 8     | 8      | 8       | 8     | 8      |
|                   |           | 840511      |        |                               |                  |       |       |        |         |       |        |
| 5                 | N<br>S.V. | 945830      | .2     | LOCK WASHER A5                | 8                | 8     | 8     | 8      | 8       | 8     | 8      |
|                   |           | 945750      |        |                               |                  |       |       |        |         |       |        |
| 6                 | N<br>S.V. | 953223      | .2     | ALTERNATOR BRACKET AS-<br>SY. | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
|                   |           | 953222      |        |                               |                  |       |       |        |         |       |        |
| 7                 | N<br>n.a. | 240072      | .2     | ALLEN SCREW M8X20             | 2                | 2     | 2     | 2      | 2       | 2     | 2      |
|                   |           | 240071      |        |                               |                  |       |       |        |         |       |        |
| 8                 |           | 845310      | .2     | LOCK WASHER VHZ 8             | 2                | 2     | 2     | 2      | 2       | 2     | 2      |
| 9                 | N<br>S.V. | 953233      | .2     | ALTERNATOR SUPPORT AS-<br>SY. | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
|                   |           | 953232      |        |                               |                  |       |       |        |         |       |        |
| 10                | N<br>S.V. | 241762      | .2     | ALLEN SCREW M6X50             | 2                | 2     | 2     | 2      | 2       | 2     | 2      |
|                   |           | 241761      |        |                               |                  |       |       |        |         |       |        |
| 11                | N<br>S.V. | 827962      | .2     | WASHER 6.4                    | 2                | 2     | 2     | 2      | 2       | 2     | 2      |
|                   |           | 827961      |        |                               |                  |       |       |        |         |       |        |
| 11                | N<br>S.V. | 945831      | .2     | LOCK WASHER A6                | 2                | 2     | 2     | 2      | 2       | 2     | 2      |
|                   |           | 945751      |        |                               |                  |       |       |        |         |       |        |
| 12                | N<br>S.V. | 827962      | .2     | WASHER 6.4                    | 2                | 2     | 2     | 2      | 2       | 2     | 2      |
|                   |           | 827961      |        |                               |                  |       |       |        |         |       |        |
| 13                |           | 887251      | .2     | ALTERNATOR F3A                | 1a               | 1a    | 1a    | 1a     | 1a      | 1a    | 1a     |
| 14                |           | 927952      | .2     | THRUST WASHER 10.1/20/0.5     | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 15                |           | 941636      | .2     | HEX. SCREW M10X45             | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 16                |           | 953241      | .2     | TENSION BAR                   | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 17                |           | 940596      | .2     | HEX. SCREW M8X20              | 2                | 2     | 2     | 2      | 2       | 2     | 2      |

- Items not illustrated

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| FIG &<br>ITEM NO. | STATUS    | PART<br>NO.      | INDENT | Description                  | Parts per Engine |       |       |        |         |       |        |
|-------------------|-----------|------------------|--------|------------------------------|------------------|-------|-------|--------|---------|-------|--------|
|                   |           |                  |        |                              | 912 A            | 912 F | 912 S | 912 UL | 912 ULS | 914 F | 914 UL |
| 18                | N<br>S.V. | 945832<br>945752 | ..2    | LOCK WASHER A8               | 2                | 2     | 2     | 2      | 2       | 2     | 2      |
|                   |           |                  |        |                              |                  |       |       |        |         |       |        |
| 19                |           | 227935           | ..2    | WASHER 8.4                   | 2                | 2     | 2     | 2      | 2       | 2     | 2      |
| 20                |           | 864011           | ..2    | FASTON CONNECTOR<br>6.3X0.8  | 2                | 2     | 2     | 2      | 2       | 2     | 2      |
| 21                |           | 265255           | ..2    | CONNECTOR HOUSING 2-<br>POLE | 1                | 1     | 1     | 1      | 1       | 1     | 1      |

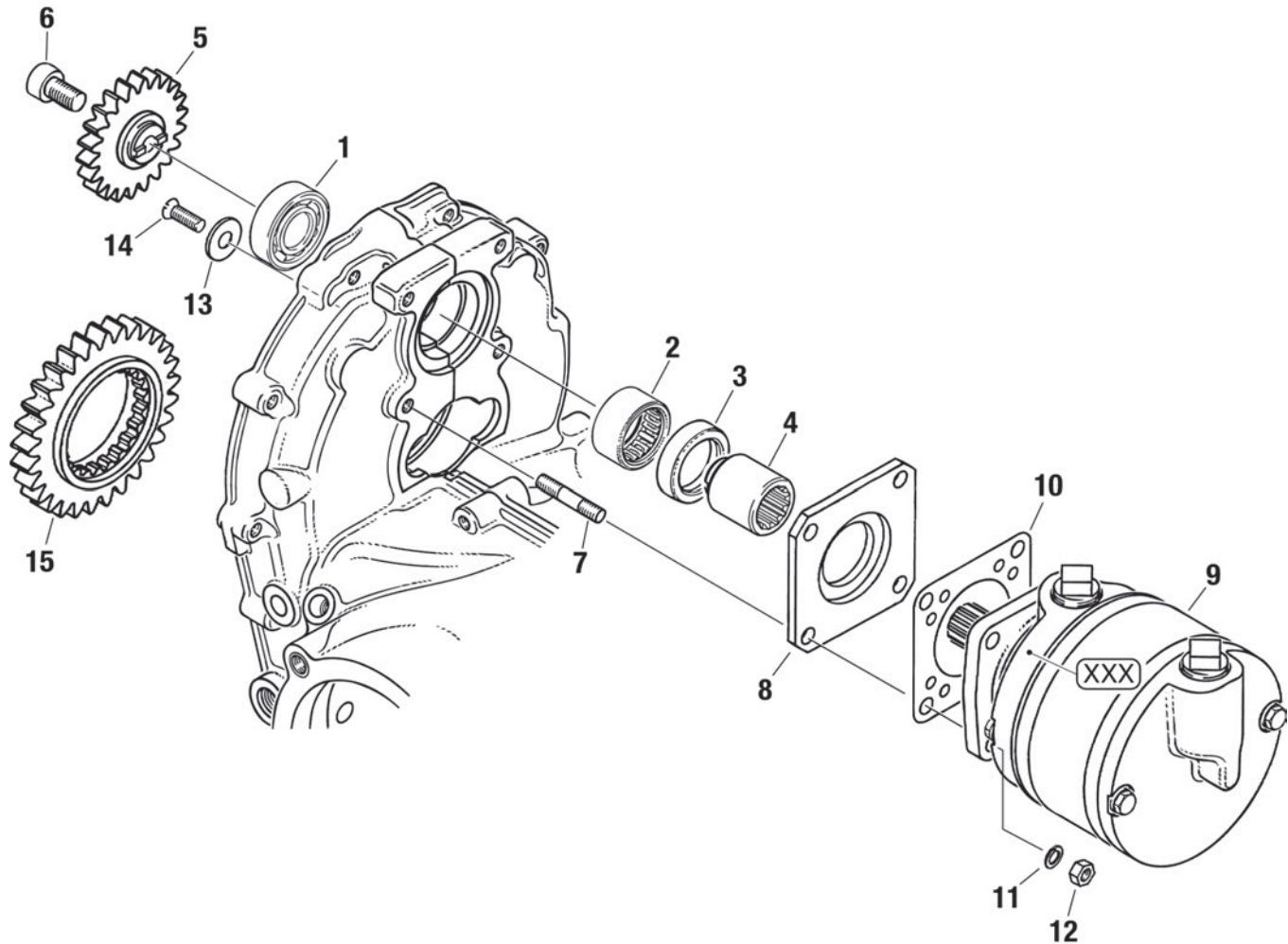
- Items not illustrated

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**Fig. 37-10-00-1**

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**Chapter) 37-10-00**  
**VACUUM PUMP WITH DRIVE (ALL PARTS OPTIONAL)**

|                |           |          |         |                                | Parts per Engine |       |       |        |         |       |        |
|----------------|-----------|----------|---------|--------------------------------|------------------|-------|-------|--------|---------|-------|--------|
| FIG & ITEM NO. | STATUS    | PART NO. | IN-DENT | Description                    | 912 A            | 912 F | 912 S | 912 UL | 912 ULS | 914 F | 914 UL |
| 1 1-8          |           | 881690   | .1      | VACUUM PUMP DRIVE RETROFIT KIT | AR               | AR    | AR    | AR     | AR      | AR    | AR     |
| 1 N<br>s.v.    |           | 832363   | .2      | BALL BEARING 16002 15-32-8     | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
|                |           | 832362   |         | See chapt. 61-20-00            |                  |       |       |        |         |       |        |
| 2              |           | 232925   | .2      | NEEDLE SLEEVE 22x28x12         | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
|                |           |          |         | See chapt. 61-20-00            |                  |       |       |        |         |       |        |
| 3              |           | 831265   | .2      | OIL SEAL AS 22x32x7            | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 4              |           | 847771   | .2      | DRIVE SLEEVE, SHORT            | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 5              |           | 834245   | .2      | VACUUM PUMP GEAR 22T           | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 6              |           | 941527   | .2      | ALLEN SCREW M8x14              | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 7              |           | 941080   | .2      | STUD M6X20/10                  | 4                | 4     | 4     | 4      | 4       | 4     | 4      |
| 8              |           | 810170   | .2      | ATTACHMENT FLANGE              | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 9-10           | n.a.      |          | .1      | VACUUM PUMP RA211CC            | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 10             | n.a.      |          | .2      | GASKET                         | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 11             | N<br>s.v. | 827962   | .1      | WASHER A6.4                    | 4                | 4     | 4     | 4      | 4       | 4     | 4      |
|                |           | 827961   |         |                                |                  |       |       |        |         |       |        |
| 11             | N<br>s.v. | 945831   | .1      | LOCK WASHER A6                 | 4                | 4     | 4     | 4      | 4       | 4     | 4      |
|                |           | 945751   |         |                                |                  |       |       |        |         |       |        |
| 12             |           | 242211   | .1      | HEX.NUT M6                     | 4                | 4     | 4     | 4      | 4       | 4     | 4      |
| 13             |           | xxxxxx   | .1      | See chapt. 72-20-00            | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 14             |           | xxxxxx   | .1      | See chapt. 72-20-00            | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 15             |           | xxxxxx   | .1      | See chapt. 72-10-00            | 1                | 1     | 1     | 1      | 1       | 1     | 1      |

- Items not illustrated

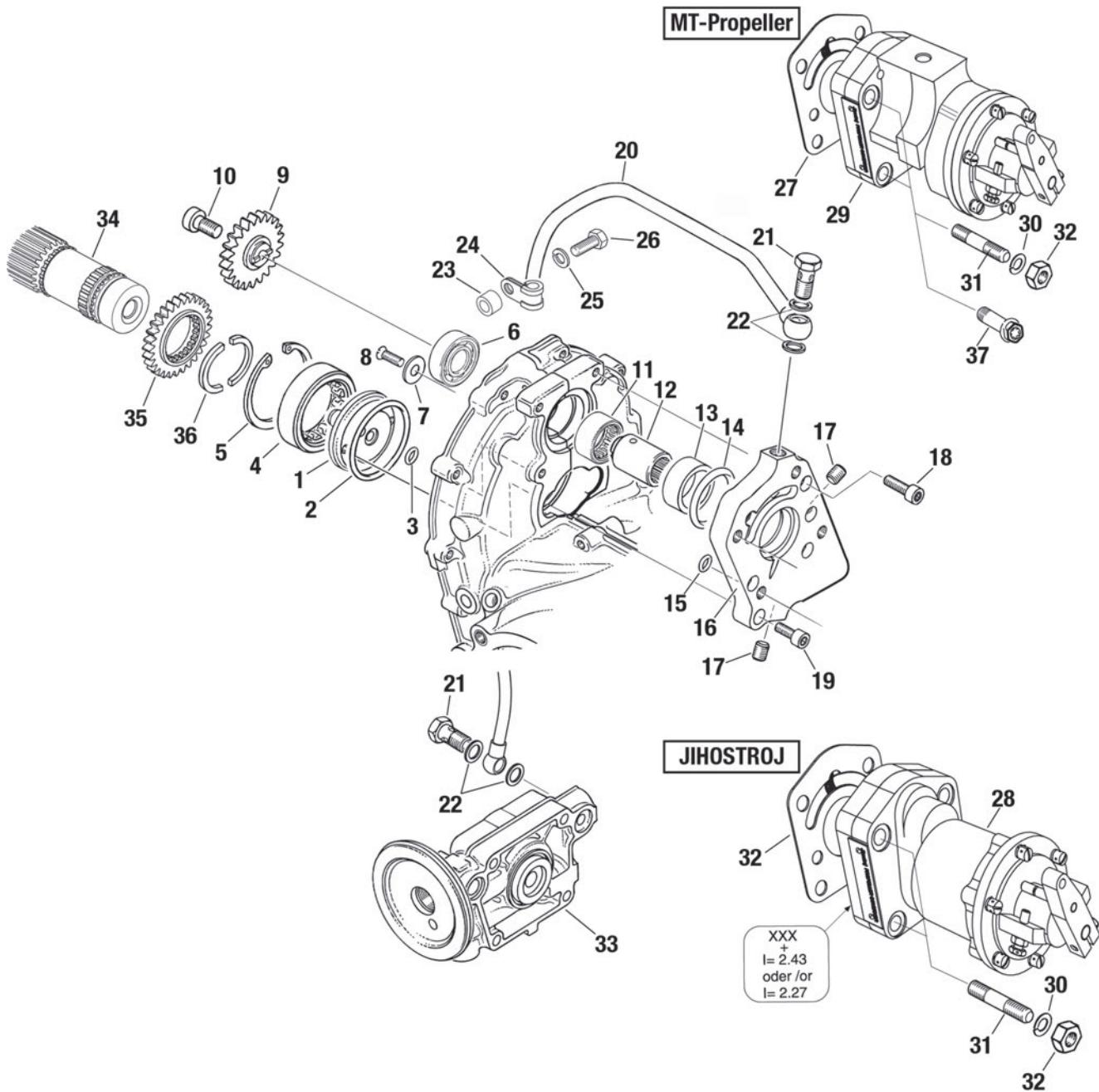
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**Fig. 61-20-00-1**

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**Chapter) 61-20-00**  
**HYDR. GOVERNOR ARRANGEMENT FOR CONSTANT SPEED  
PROPELLER (OPTIONAL)**

| FIG &<br>ITEM NO. | STATUS    | PART<br>NO. | INDENT | Description                 | Parts per Engine |       |       |        |         |       |        |
|-------------------|-----------|-------------|--------|-----------------------------|------------------|-------|-------|--------|---------|-------|--------|
|                   |           |             |        |                             | 912 A            | 912 F | 912 S | 912 UL | 912 ULS | 914 F | 914 UL |
| 1 1               |           | xxxxxx      | .1     | See chapt. 72-10-00         | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 2                 |           | xxxxxx      | .1     | See chapt. 72-10-00         | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 3                 |           | 830415      | .1     | O-RING 7x2-N                | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 4                 |           | xxxxxx      | .1     | See chapt. 72-10-00         | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 5                 |           | xxxxxx      | .1     | See chapt. 72-10-00         | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 6                 | N<br>s.v. | 832363      | .1     | BALL BEARING 16002. 15-32-8 | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
|                   |           | 832362      |        |                             |                  |       |       |        |         |       |        |
| 7                 |           | xxxxxx      | .1     | See Chapt. 72-20-00         | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 8                 |           | xxxxxx      | .1     | See Chapt. 72-20-00         | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 9                 |           | 834245      | .1     | VACUUM PUMP GEAR 22 T       | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 10                | N<br>s.v. | 941522      | .1     | ALLEN SCREW M8x16           | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
|                   |           | 941521      |        |                             |                  |       |       |        |         |       |        |
| 11                |           | 232925      | .1     | NEEDLE SLEEVE 22x28x12      | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 12                |           | 847773      | .1     | DRIVE SLEEVE, LONG          | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 13                |           | 847802      | .1     | SPACER 25/31.95/13          | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 14                |           | 950380      | .1     | O-RING 32x4-N FPM 75        | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 15                |           | 830415      | .1     | O-RING 7x2-N FPM 75         | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 16                |           | 810294      | .1     | GOVERNOR FLANGE             | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 17                |           | 941611      | .1     | PLUG SCREW M8x1             | 2                | 2     | 2     | 2      | 2       | 2     | 2      |
| 18                | N<br>s.v. | 241935      | .1     | ALLEN SCREW M6x20           | 4                | 4     | 4     | 4      | 4       | 4     | 4      |
|                   |           | 241930      |        |                             |                  |       |       |        |         |       |        |
| 19                | N<br>s.v. | 241237      | .1     | ALLEN SCREW M6x16           | 2                | 2     | 2     | 2      | 2       | 2     | 2      |
|                   |           | 241236      |        |                             |                  |       |       |        |         |       |        |
| 20                |           | 956460      | .1     | PRESSURE OIL LINE ASSY.     | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 21                | s.v.      | 241073      | .1     | BANJO BOLT M10x1x19         | 2                | 2     | 2     | 2      | 2       | 2     | 2      |
| 21                | N         | 940876      | .1     | BANJO BOLT M10x1x23         | 2c               | 2c    | 2c    | 2c     | 2c      | 2c    | 2c     |
| 22                |           | 230150      | .1     | SEALING RING A 10x14        | 4                | 4     | 4     | 4      | 4       | 4     | 4      |

- Items not illustrated

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| FIG & ITEM NO. | STATUS    | PART NO.         | INDENT | Description                              | Parts per Engine |         |         |         |         |         |         |
|----------------|-----------|------------------|--------|--|------------------|---------|---------|---------|---------|---------|---------|
|                |           |                  |        |  | 912 A            | 912 F   | 912 S   | 912 UL  | 912 ULS | 914 F   | 914 UL  |
| 23             |           | 847223           | .1     | DISTANCE SLEEVE 8.4/15/6                 | 1                | 1       | 1       | 1       | 1       | 1       | 1       |
| 24             |           | 853418           | .1     | CABLE CLAMP                              | 1                | 1       | 1       | 1       | 1       | 1       | 1       |
| 25             | N<br>S.V. | 945832<br>945752 | .1     | LOCK WASHER A8                           | 1                | 1       | 1       | 1       | 1       | 1       | 1       |
| 26             | N<br>S.V. | 240277<br>240276 | .1     | HEX. SCREW M8x25                         | 1                | 1       | 1       | 1       | 1       | 1       | 1       |
| 27             |           | 931372           | .2     | GASKET                                   | 1                | 1       | 1       | 1       | 1       | 1       | 1       |
| 28             | n.a.      |                  | .1     | GOVERNOR JIHOSTROJ                       | 1                | 1       | 1       | 1       | 1       | 1       | 1       |
| 29             | n.a.      |                  | .1     | GOVERNOR MT-PROPELLER                    | 1                | 1       | 1       | 1       | 1       | 1       | 1       |
| 30             | N<br>S.V. | 945832<br>945752 | .1     | LOCK WASHER A8                           | 4                | 4       | 4       | 4       | 4       | 4       | 4       |
| 31             |           | 840711           | .1     | STUD M8x21/20                            | 4                | 4       | 4       | 4       | 4       | 4       | 4       |
| 32             |           | 942674           | .1     | HEX. NUT M8 (WS 11 mm)                   | 4                | 4       | 4       | 4       | 4       | 4       | 4       |
| 33             |           | xxxxxx           | .1     | See Chapt. 79-20-00                      | 1                | 1       | 1       | 1       | 1       | 1       | 1       |
| 34             |           | xxxxxx           | .1     | See Chapt. 72-10-00                      | 1                | 1       | 1       | 1       | 1       | 1       | 1       |
| 35             |           | xxxxxx           | .1     | See Chapt. 72-10-00                      | 1                | 1       | 1       | 1       | 1       | 1       | 1       |
| 36             |           | xxxxxx           |        | See Chapt. 72-10-00                      | 1                | 1       | 1       | 1       | 1       | 1       | 1       |
| 37             |           | 440867           | .1     | HEX./TORX-FLANGE SCREW<br>M8x35-SW10/T40 | 4                | 4       | 4       | 4       | 4       | 4       | 4       |
| -              |           | 881702           | .1     | PROP. SHAFT CONFIG. 3 RETROFIT KIT       | a<br>AR          | a<br>AR | a<br>AR | a<br>AR | a<br>AR | a<br>AR | a<br>AR |
| -              |           | 881700           | .1     | GOVERNOR DRIVE RETROFIT KIT              | b<br>AR          | b<br>AR | b<br>AR | b<br>AR | b<br>AR | b<br>AR | b<br>AR |

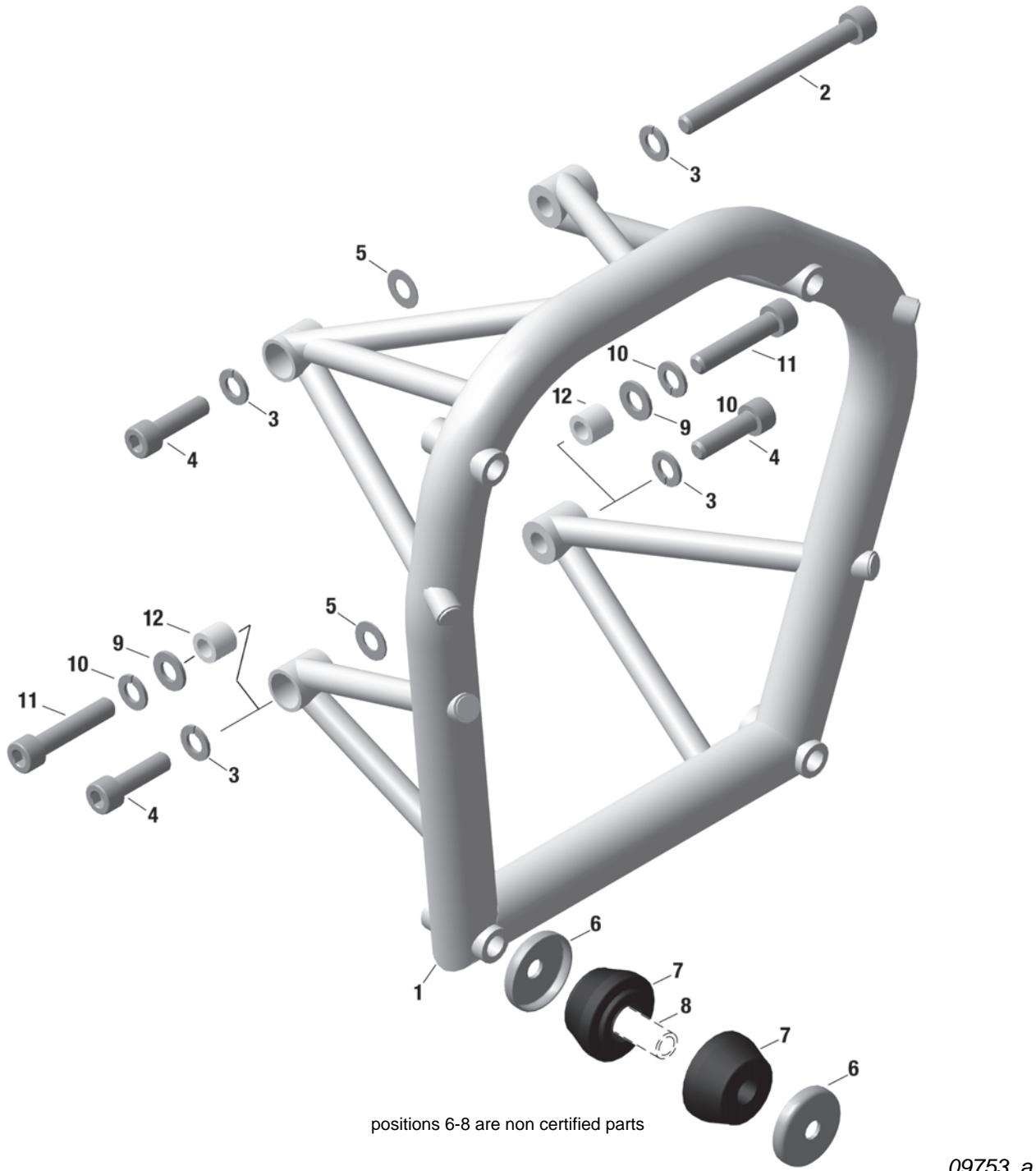
- Items not illustrated

- a For retrofitting from version 2 to version 3.
- b For retrofitting, same as part no. 881702 but without propeller shaft.
- c Longer thread for more safety against pull out. Check if thread in oil pump housing is deep enough.

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**Fig. 71-20-00-1**

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**Chapter) 71-20-00**  
**ENGINE SUSPENSION FRAME**

| FIG &<br>ITEM NO. | STATUS | PART<br>NO. | INDENT | Description                   | Parts per Engine |       |       |        |         |       |        |
|-------------------|--------|-------------|--------|-------------------------------|------------------|-------|-------|--------|---------|-------|--------|
|                   |        |             |        |                               | 912 A            | 912 F | 912 S | 912 UL | 912 ULS | 914 F | 914 UL |
| 1 1 N             |        | 886563      | .1     | ENGINE SUSPENSION FRAME ASSY. | (1a)             | (1a)  | (1a)  | (1a)   | (1a)    | (1a)  | (1a)   |
| 1 s.v.            |        | 886561      | .1     | ENGINE SUSPENSION FRAME ASSY. | (1a)             | (1a)  | (1a)  | (1a)   | (1a)    | (1a)  | (1a)   |
| 2                 |        | 941487      | .1     | ALLEN SCREW M10x110           | (1)              | (1)   | (1)   | (1)    | (1)     | 1     | 1      |
| 3 N<br>s.v.       |        | 945833      | .1     | LOCK WASHER A10               | (4)              | (4)   | (4)   | (4)    | (4)     | 4     | 4      |
| 4                 |        | 945753      |        |                               |                  |       |       |        |         |       |        |
| 4                 |        | 840948      | .1     | ALLEN SCREW M10x35            | (3)              | (3)   | (3)   | (3)    | (3)     | 1     | 1      |
| 5                 |        | 927952      | .1     | THRUST WASHER 10.1/20/0.5     | (AR)             | (AR)  | (AR)  | (AR)   | (AR)    | AR    | AR     |
| 5                 |        | 927953      | .1     | THRUST WASHER 10.1/20/1.0     | (AR)             | (AR)  | (AR)  | (AR)   | (AR)    | AR    | AR     |
| 6-7               |        | 860695      | .1     | SHOCK MOUNT SET               | (1)              | (1)   | (1)   | (1)    | (1)     | (1)   | (1)    |
| 6                 |        | 944240      | .2     | CUP WASHER                    | (8)              | (8)   | (8)   | (8)    | (8)     | (8)   | (8)    |
| 7                 |        | 860690      | .2     | SHOCK-MOUNT                   | (8)              | (8)   | (8)   | (8)    | (8)     | (8)   | (8)    |
| 8 n.a.            |        |             | .1     | STRUT                         | 4                | 4     | 4     | 4      | 4       | 4     | 4      |
| 9                 |        | xxxxxx      |        | See chapt. 78-10-00.          |                  |       |       |        |         | 2     | 2      |
| 10                |        | xxxxxx      |        | See chapt. 78-10-00.          |                  |       |       |        |         | 2     | 2      |
| 11                |        | xxxxxx      |        | See chapt. 78-10-00.          |                  |       |       |        |         | 2     | 2      |
| 12                |        | 847841      | .1     | Spacer 10.5/17/15             |                  |       |       |        |         | 2     | 2      |

- Items not illustrated

a See also Service Bulletin SB-912-028 / SB-914-016 current issue

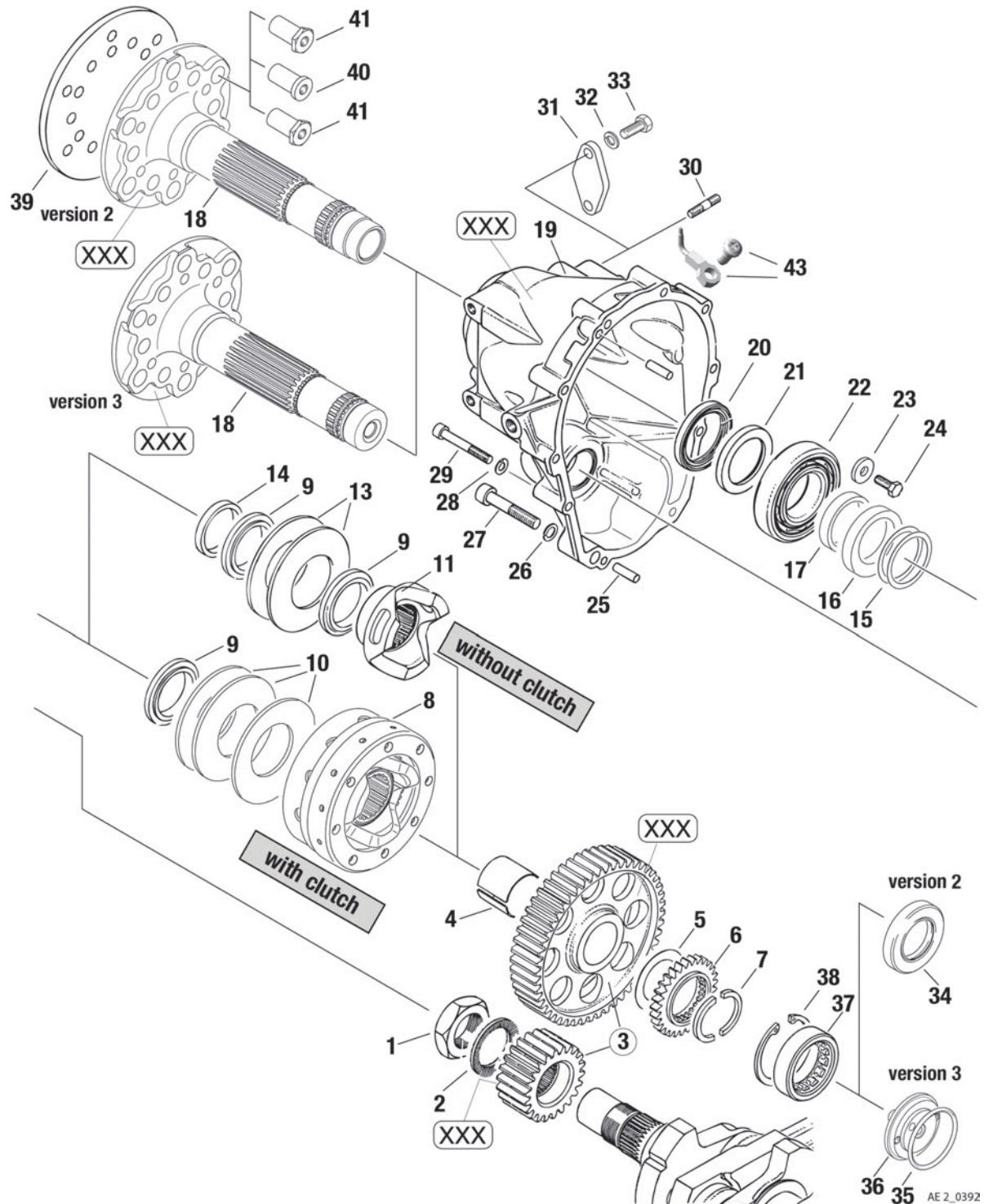
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**Fig. 72-10-00-1**

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**Chapter) 72-10-00**  
**PROPELLER GEAR ASSY.**

| FIG. &<br>ITEM NO.        | STATUS | PART<br>NO. | Description                   | Parts per Engine |       |       |        |         |       |        |
|---------------------------|--------|-------------|-------------------------------|------------------|-------|-------|--------|---------|-------|--------|
|                           |        |             |                               | 912 A            | 912 F | 912 S | 912 UL | 912 ULS | 914 F | 914 UL |
| WITHOUT<br>POS. 1,2,34-39 |        |             | <b>I = 2.27</b>               |                  |       |       |        |         |       |        |
|                           |        | 887281      | GEARBOX WITH CLUTCH 2.27-2    | 1Ap              | 1Ap   |       | 1Ap    |         |       |        |
|                           |        | 887271      | GEARBOX WITH CLUTCH 2.27-3    | 1Bp              | 1Bp   |       | 1Bp    |         |       |        |
|                           |        | 887286      | GEARBOX WITH CLUTCH 2.27-4    | 1Cp              | 1Cp   |       | 1Cp    |         |       |        |
|                           |        | 996605      | GEARBOX WITHOUT CLUTCH 2.27-2 |                  |       |       | 1Ap    |         |       |        |
| WITHOUT<br>POS. 1,2,34-39 |        | 996609      | GEARBOX WITHOUT CLUTCH 2.27-4 |                  |       |       | 1Cp    |         |       |        |
|                           |        |             | <b>I = 2.43</b>               |                  |       |       |        |         |       |        |
|                           |        | 887708      | GEARBOX WITH CLUTCH 2.43-3    | 1p               | 1p    | 1Ep   | 1p     | 1Ep     | 1Ep   | 1Ep    |
|                           |        | 887703      | GEARBOX WITH CLUTCH 2.43-2    | 1p               | 1p    | 1Dp   | 1p     | 1Dp     | 1Dp   | 1Dp    |
|                           |        | 887713      | GEARBOX WITH CLUTCH 2.43-4    | 1p               | 1p    | 1Fp   | 1p     | 1Fp     | 1Fp   | 1Fp    |
|                           |        | 888560      | GEARBOX WITHOUT CLUTCH 2.43-2 |                  |       |       | 1Dp    | 1Dp     |       | 1Dp    |
|                           |        | 888565      | GEARBOX WITHOUT CLUTCH 2.43-4 |                  |       |       | 1Fp    | 1Fp     |       | 1Fp    |

- Items not illustrated

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| FIG. & ITEM NO. | STATUS | PART NO.                      | Description | Parts per Engine |       |        |        |         |       |
|-----------------|--------|-------------------------------|-------------|------------------|-------|--------|--------|---------|-------|
|                 |        |                               |             | 912 A            | 912 F | 912 S  | 912 UL | 912 ULS | 914 F |
| <b>I = 2.43</b> |        |                               |             |                  |       |        |        |         |       |
| n.a.            | 887701 | GEARBOX WITH CLUTCH 2.43-2    | (1)Aop      | (1)Aop           |       | (1)Aop |        | 1Ao     | 1Aop  |
| n.a.            | 887703 | GEARBOX WITH CLUTCH 2.43-2    | (1)Gp       | (1)Gp            |       | (1)Gp  |        | 1G      | 1Gp   |
| n.a.            | 887706 | GEARBOX WITH CLUTCH 2.43-3    | (1)Bop      | (1)Bop           |       | (1)Bop |        | 1Bo     | 1Bop  |
| n.a.            | 887708 | GEARBOX WITH CLUTCH 2.43-3    | (1)Hp       | (1)Hp            |       | (1)Hp  |        | 1H      | 1Hp   |
| n.a.            | 887711 | GEARBOX WITH CLUTCH 2.43-4    | (1)Cop      | (1)Cop           |       | (1)Cop |        | 1Co     | 1Cop  |
| n.a.            | 887713 | GEARBOX WITH CLUTCH 2.43-4    | (1)Ip       | (1)Ip            |       | (1)Ip  |        | 1I      | 1Ip   |
| n.a.            | 887680 | GEARBOX WITHOUT CLUTCH 2.43-2 |             |                  |       | 1Aop   |        |         | 1Aop  |
|                 | 888560 | GEARBOX WITHOUT CLUTCH 2.43-2 |             |                  |       | 1Jp    |        |         | 1Jp   |
| n.a.            | 887685 | GEARBOX WITHOUT CLUTCH 2.43-4 |             |                  |       | 1Cop   |        |         | 1Cop  |
|                 | 888565 | GEARBOX WITHOUT CLUTCH 2.43-4 |             |                  |       | 1Kp    |        |         | 1Kp   |

- Items not illustrated

| FIG & ITEM NO. | STATUS | PART NO. | INDENT | Description               | Parts per Engine |       |       |        |         |       |        |
|----------------|--------|----------|--------|---------------------------|------------------|-------|-------|--------|---------|-------|--------|
|                |        |          |        |                           | 912 A            | 912 F | 912 S | 912 UL | 912 ULS | 914 F | 914 UL |
| 1,<br>2        |        | 842579   | .1     | HEX. NUT M30x1.5 12MM, LH | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 2              | N      | 845431   | .1     | FRICITION WASHER VS30     | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 2              | S.V.   | 845430   | .1     | FRICITION WASHER VS30     | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 3              |        | 886125   | .1     | GEAR SET I 2.27 narrow    | 1a               | 1a    |       | 1a     |         |       |        |
| 3              |        | 886518   | .1     | GEAR SET I 2.43 wide, 7°  | 1b               | 1b    | 1b    | 1b     | 1b      | 1b    | 1b     |
| 4              |        | 933362   | .1     | BUSHING 31x33x29.8        | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 5              |        | 827992   | .1     | THRUST WASHER 33.2/51/1.2 | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 6              |        | 834232   | .1     | DRIVE GEAR 29 T.          | 1                | 1     | 1     | 1      | 1       | 1     | 1      |

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| FIG & ITEM NO. | STATUS    | PART NO.                           | INDENT | Description                                  | Parts per Engine |       |       |        |         |       |        |
|----------------|-----------|------------------------------------|--------|--|------------------|-------|-------|--------|---------|-------|--------|
|                |           |                                    |        |  | 912 A            | 912 F | 912 S | 912 UL | 912 ULS | 914 F | 914 UL |
| 7-10           |           | 996888                             | .1     | CLUTCH ASSY. RETROFIT KIT<br><b>narrow</b>   |                  |       |       | 1f     |         |       | 1f     |
| 7-10           |           | 996889                             | .1     | CLUTCH ASSY. RETROFIT KIT<br><b>wide, 7°</b> |                  |       |       | 1g     |         |       | 1gb    |
| 7              |           | 926035                             | .2     | RING HALF                                    | 2                | 2     | 2     | 2      | 2       | 2     | 2      |
| 8              |           | 996910                             | .2     | OVERLOAD CLUTCH ASSY.<br><b>wide, 7°</b>     | 1gm              | 1gm   | 1gm   | 1gm    | (1)gm   | 1gm   | (1)gm  |
| 9              | N<br>s.v. | 847787<br>847786                   | .2     | STEP COLLAR                                  | 1p               | 1p    | 1p    | 1p     | 1p      | 1p    | 1p     |
| 10             |           | 838216                             | .2     | DISK SPRING B80, 80x41x3                     | 3                | 3     | 3     | 3      | 3       | 3     | 3      |
| 11             | N<br>s.v. | 958896<br>958891                   | .1     | DOG HUB narrow                               |                  |       |       | 1fl    |         |       | 1fl    |
| 11             | N<br>s.v. | 958898<br>958893                   | .1     | DOG HUB wide, 7°                             |                  |       |       | 1gl    | 1gl     |       | 1gl    |
| 12             | n.a.      | -                                  | -      | -  | -                | -     | -     | -      | -       | -     | -      |
| 13             |           | 838216                             | .1     | DISK SPRING B80, 80x41x3                     | 2                | 2     | 2     | 2      | 2       | 2     | 2      |
| 14             |           | 847689                             | .1     | SPACER 35.2/42/6                             |                  |       |       | 1      | 1       |       | 1      |
| 15             |           | 927401                             | .1     | SHIM 35.4/43/0.2                             | AR               | AR    | AR    | AR     | AR      | AR    | AR     |
| 15             |           | 927402                             | .1     | SHIM 35.4/43/0.5                             | AR               | AR    | AR    | AR     | AR      | AR    | AR     |
| 15             |           | 927403                             | .1     | SHIM 35.4/43/1.0                             | AR               | AR    | AR    | AR     | AR      | AR    | AR     |
| 16             |           | 848225                             | .1     | ECCENTER                                     | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 17             |           | 847687                             | .1     | SPACER 35.2/42/8                             | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 18             | N<br>n.a. | 937041<br>937035                   | .1     | PROPELLER SHAFT<br>VERSION 3                 | 1d               | 1d    | 1d    | 1d     | 1d      | 1d    | 1d     |
| 18             | N<br>s.v. | 937047<br>937036                   | .1     | PROPELLER SHAFT<br>VERSION 2                 | 1c               | 1c    | 1c    | 1c     | 1c      | 1c    | 1c     |
| 19,            | N<br>n.a. | 610363<br>811956<br>n.a.<br>811957 | .1     | GEAR COVER ASSY.                             | 1r               | 1r    | 1r    | 1r     | 1r      | 1r    | 1r     |
| 43             |           |                                    |        |  | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 20             |           | 950470                             | .1     | OIL SEAL AS 40x55x7                          | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 21             |           | 926022                             | .1     | SPACER RING 36/50/5.5                        | 1                | 1     | 1     | 1      | 1       | 1     | 1      |

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| FIG & ITEM NO. | STATUS    | PART NO.         | INDENT | Description                         | Parts per Engine |       |       |        |         |       |        |
|----------------|-----------|------------------|--------|-------------------------------------|------------------|-------|-------|--------|---------|-------|--------|
|                |           |                  |        |                                     | 912 A            | 912 F | 912 S | 912 UL | 912 ULS | 914 F | 914 UL |
| 22             | N<br>s.v. | 832587<br>832578 | .1     | BALL BEARING 6207E TN6,<br>35-72-17 | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 23             |           | 944320           | .1     | WASHER 7.2/18.8/3                   | 4                | 4     | 4     | 4      | 4       | 4     | 4      |
| 24             |           | 941760           | .1     | HEX. SCREW M7x16                    | 4                | 4     | 4     | 4      | 4       | 4     | 4      |
| 25             |           | 429230           | .1     | DOWEL 6x20                          | 2                | 2     | 2     | 2      | 2       | 2     | 2      |
| 26             | s.v.      | 944131           | .1     | WASHER 8                            | 2q               | 2q    | 2q    | 2q     | 2q      | 2q    | 2q     |
| 27             | s.v.      | 841562           | .1     | ALLEN SCREW M8x45                   | 2q               | 2q    | 2q    | 2q     | 2q      | 2q    | 2q     |
| 27             | n.a.      | 841561           | .1     | ALLEN SCREW M8x45                   | 2q               | 2q    | 2q    | 2q     | 2q      | 2q    | 2q     |
| 27             | N         | 940077           | .1     | HEX./TORX SCREW M8x45               | 2                | 2     | 2     | 2      | 2       | 2     | 2      |
| 28             | N         | 827962           | .1     | WASHER A6.4                         | 8                | 8     | 8     | 8      | 8       | 8     | 8      |
| 28             | s.v.      | 945751           | .1     | LOCK WASHER A6                      | 8                | 8     | 8     | 8      | 8       | 8     | 8      |
| 29             | N<br>s.v. | 241823<br>241821 | .1     | ALLEN SCREW M6x45                   | 8                | 8     | 8     | 8      | 8       | 8     | 8      |
| 30             | N<br>s.v. | 940369<br>940361 | .1     | STUD M8x23/20                       | 2                | 2     | 2     | 2      | 2       |       |        |
| 31             |           | 926151           | .1     | COVER                               |                  |       |       |        |         | 1     | 1      |
| 32             | N<br>s.v. | 945832<br>945752 | .1     | LOCK WASHER A8                      | 2                | 2     | 2     | 2      | 2       | 2     | 2      |
| 33             | N<br>s.v. | 940592<br>940591 | .1     | HEX. SCREW M8x20                    |                  |       |       |        |         | 2k    | 2k     |
| 34             |           | 950200           | .1     | OIL SEAL 30x52x7                    | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 35             |           | 430175           | .1     | O-RING 46x3                         | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 36             |           | 810301           | .1     | OIL INLET FLANGE                    | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 37             | N<br>s.v. | 232246<br>232241 | .1     | ROLLER BEARING NJ 205<br>ECP C3     | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 38             |           | 945820           | .1     | RETAINING RING 52x2                 | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 39             |           | 827837           | .1     | COVER DISK                          | AR               | AR    | AR    | AR     | AR      | AR    | AR     |
| 40             |           | 842634           | .1     | ROUND-NECK NUT SET M8               | 1i               | 1i    | 1i    | 1i     | 1i      | 1i    | 1i     |
| 41             | n.a.      | 842638           | .1     | ROUND-NECK NUT SET 5/16-<br>24 UNF  | 1i               | 1i    | 1i    | 1i     | 1i      | 1i    | 1i     |

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## ILLUSTRATED PARTS CATALOG

| FIG & ITEM NO. | STATUS | PART NO. | INDENT | Description                                     | Parts per Engine |       |       |        |         |       |        |
|----------------|--------|----------|--------|---|------------------|-------|-------|--------|---------|-------|--------|
|                |        |          |        |   | 912 A            | 912 F | 912 S | 912 UL | 912 ULS | 914 F | 914 UL |
| 41             | n.a.   | 842639   | .1     | ROUND-NECK NUT SET 5/16-20 UNC (COARSE THREADS) | 1i               | 1i    | 1i    | 1i     | 1i      | 1i    | 1i     |
| 42             |        | 244980   | .1     | SEALING COVER                                   | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 43             |        | 456520   | .1     | OIL SPRAY NOZZLE ASSY.                          | 1p               | 1p    | 1p    | 1p     | 1p      | 1p    | 1p     |

- A For version 2 with narrow dog gear (22 mm / 0.87 in.)
- B For version 3 with narrow dog gear (22 mm / 0.87 in.)
- C n.a. - For version 4 with narrow dog gear (22 mm / 0.87 in.)
- D For version 2 with wide dog gear (27 mm / 1.06 in.); For 914 use only from following engine S/N:  
914 F: 4420164  
914 UL: 4417791
- E For version 3 with wide dog gear (27 mm / 1.06 in.); For 914 use only from following engine S/N:  
914 F: 4420164  
914 UL: 4417791
- F For version 4 with wide dog gear (27 mm / 1.06 in.); For 914 use only from following engine S/N:  
914 F: 4420164  
914 UL: 4417791
- G Replacement for 887701 with wide dog gear
- H Replacement for 887706 with wide dog gear
- I Replacement for 887711 with wide dog gear
- J Replacement for 887680 with wide dog gear
- K Replacement for 888565 with wide dog gear
- a Drive gear 22 T. and reduction gear 50 T. are paired and must be replaced together and marked with S/N. See SL-912-002 resp. SL-914-002.
- b Drive gear 21 T. and reduction gear 51 T. are paired and must be replaced together and marked with S/N. With wide dog gear (27 mm / 1.06 in.); See SL-912-002 resp. SL-914-002; For 914 use only from following engine S/N:  
912 S: starting with serial production  
912 ULS: starting with serial production  
914 F: 4420164  
914 UL: 4417791
- c For model 2 marked with S/N
- d For model 3 marked with S/N
- e n.a. - For model 4 marked with S/N
- f For gear sets part no. 886125 and 886517; (narrow versions)
- g For gear set part no. 886518; (wide version)

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h Drive gear 21 T. and reduction gear 51 T. are paired and must be replaced together and marked with S/N. With thin dog gear (22 mm / 0.87 in.); See SL-912-002 resp. SL-014-002; For 914 use only up to S/N:

914 F: 4420163

914 UL: 4417790

i Do not use at version with auxiliary alternator; only available as a set (includes 6 pieces).

j Only when a governor is used;

k Version without governor: 2x940.591; with governor: see chapt. 61-20-00

l Dog hub with extended hub

m With additional bores to drain lead

| n -

o See SL-912-002 current issue

p Gearbox with oil spray nozzle.

Starting with Gearbox SN 74000.

q Replaced by hex. torx screw part no. 940077.

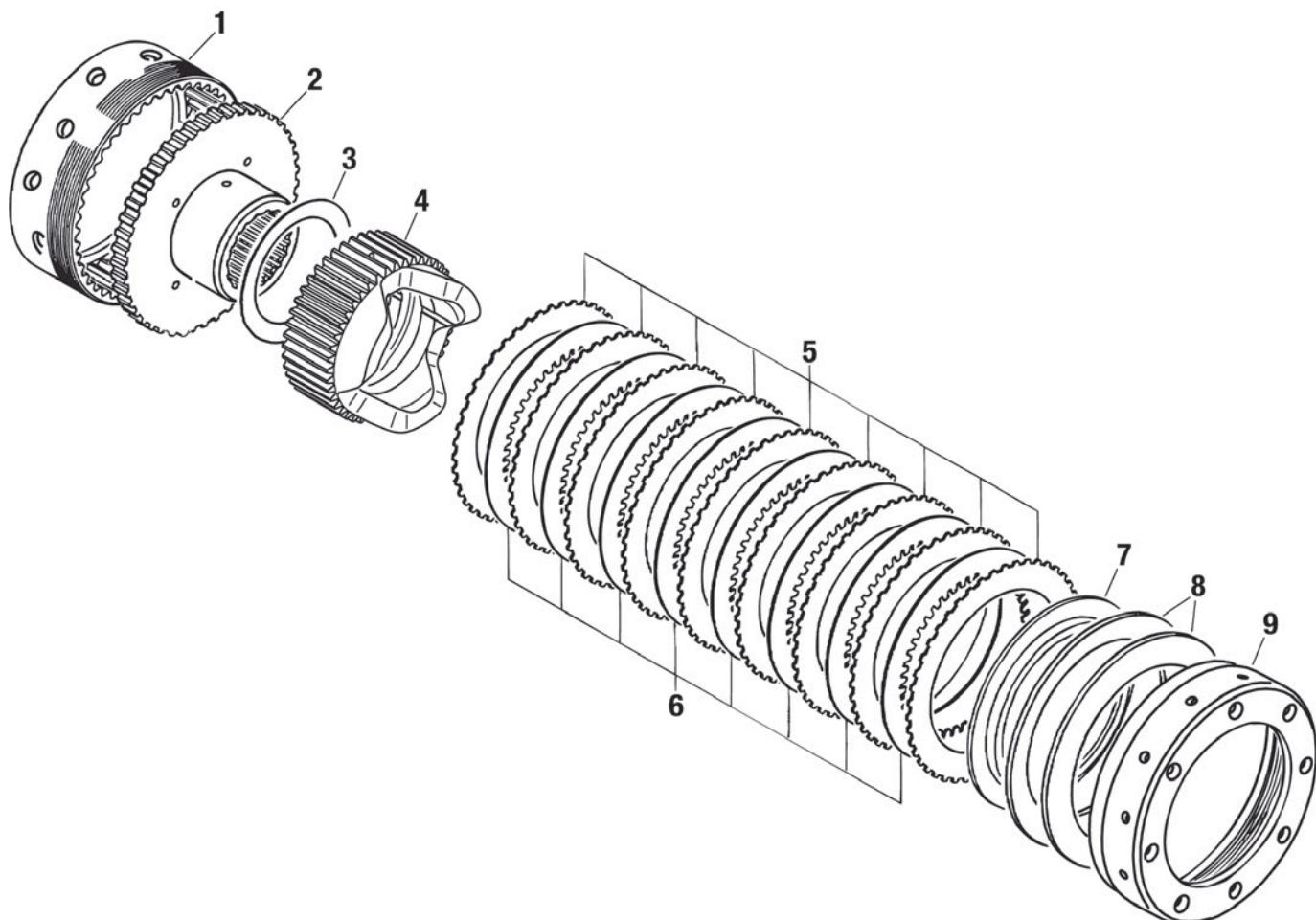
| r With oil spray nozzle mounted

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**Fig. 72-10-00-2**

**Chapter) 72-10-00**  
**OVERLOAD CLUTCH**

| FIG. &<br>ITEM NO. | STATUS    | PART<br>NO. | INDENT | Description   | Parts per Engine |       |       |        |         |       |        |
|--------------------|-----------|-------------|--------|---|------------------|-------|-------|--------|---------|-------|--------|
|                    |           |             |        |   | 912 A            | 912 F | 912 S | 912 UL | 912 ULS | 914 F | 914 UL |
| 3                  | 1-9       | xxxxxx      | .1     | OVERLOAD CLUTCH ASSY.<br><b>narrow</b> , see chapt. 72-10-00 page 6   | 1                | 1     |       | 1      |         | 1     | 1      |
|                    | 1-9       | xxxxxx      | .1     | OVERLOAD CLUTCH ASSY.<br><b>wide</b> , 7°, see chapt. 72-10-00 page 6 | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 1                  |           | 958912      | .2     | CLUTCH DRUM   | 1c               | 1c    | 1c    | 1c     | 1c      | 1c    | 1c     |
| 2                  |           | 958905      | .2     | CLUTCH HUB  | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 3                  |           | 944080      | .2     | THRUST WASHER 45.2/60/1   | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 4                  |           | 958920      |        | DOG HUB <b>narrow</b>   | 1a               | 1a    |       | 1a     |         | 1a    | 1a     |
| 4                  | n.a.      | 958927      | .2     | DOG HUB <b>wide</b> , 7°  | (1d)             | (1d)  | 1b    | (1d)   | 1b      | 1b    | 1b     |
|                    |           | 958924      |        |   |                  |       |       |        |         |       |        |
| 5                  | N<br>s.v. | 958932      | .2     | STEEL FRICTION PLATE 1.0 MM   | 9                | 9     | 9     | 9      | 9       | 9     | 9      |
|                    |           | 958931      |        |   |                  |       |       |        |         |       |        |
| 6                  | N<br>s.v. | 958945      | .2     | SINTER FRICTION PLATE 1.8 MM  | 8                | 8     | 8     | 8      | 8       | 8     | 8      |
|                    |           | 958944      |        |   |                  |       |       |        |         |       |        |
| 7                  |           | 958951      | .2     | SUPPORT RING  | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 8                  |           | 838161      | .2     | DISK SPRING 100X76X2.7  | 2                | 2     | 2     | 2      | 2       | 2     | 2      |
| 9                  | N<br>s.v. | 842644      | .2     | COLLAR NUT M102X1.5   | 1ce              | 1ce   | 1ce   | 1ce    | 1ce     | 1ce   | 1ce    |
|                    |           | 842643      |        |   |                  |       |       |        |         |       |        |

- Items not illustrated

- a For gear sets part no. 886125, 886517; thin dog gear (22 mm / 0.87 in.)
- b For gear set part no. 886518; wide dog gear (27 mm / 1.06 in.)
- c With additional bores to drain lead
- d Option for 912 A,F, UL fitted with 2,43 gear set
- e Improved centering of disc springs.

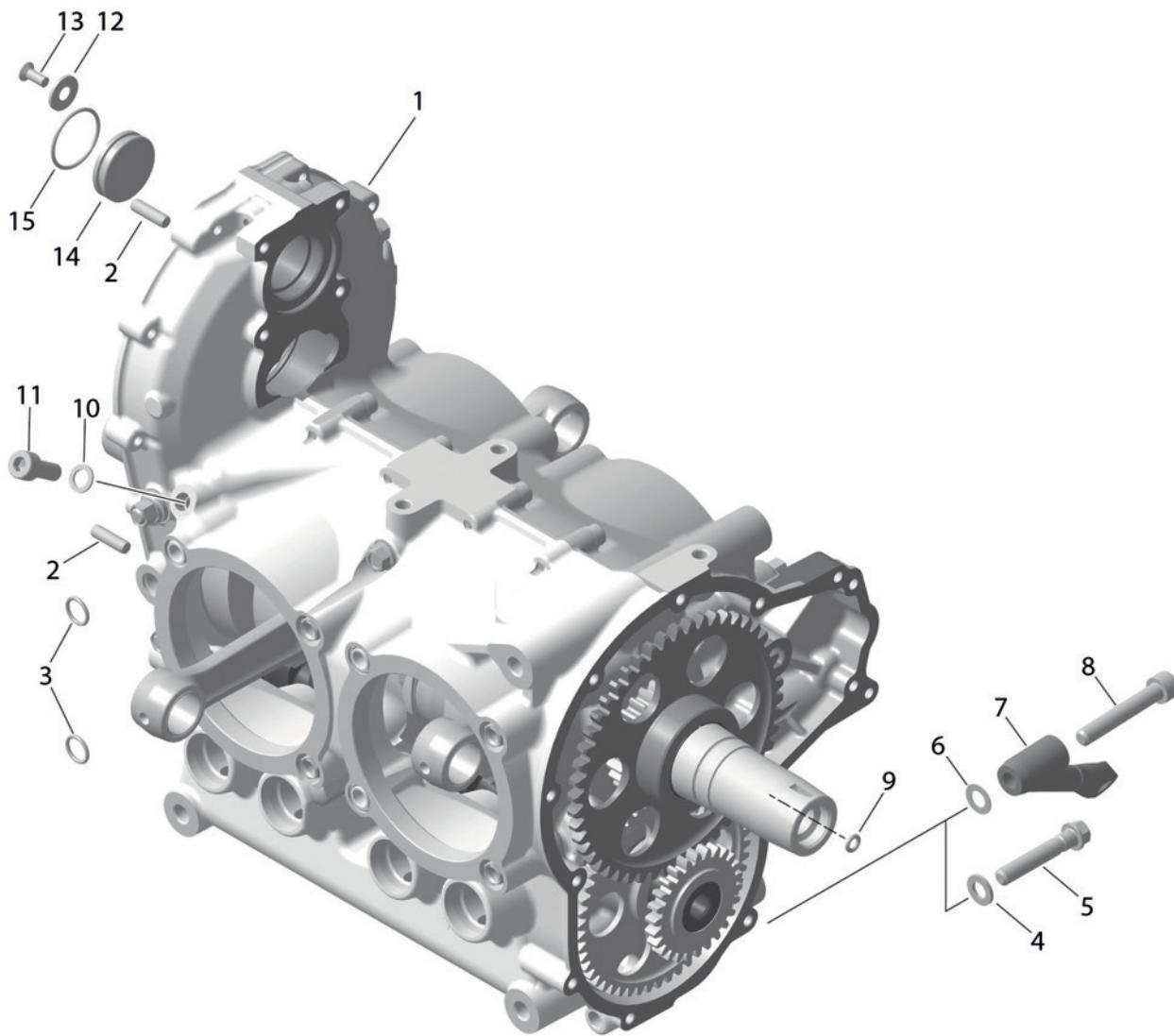
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**Fig. 72-20-00-1**

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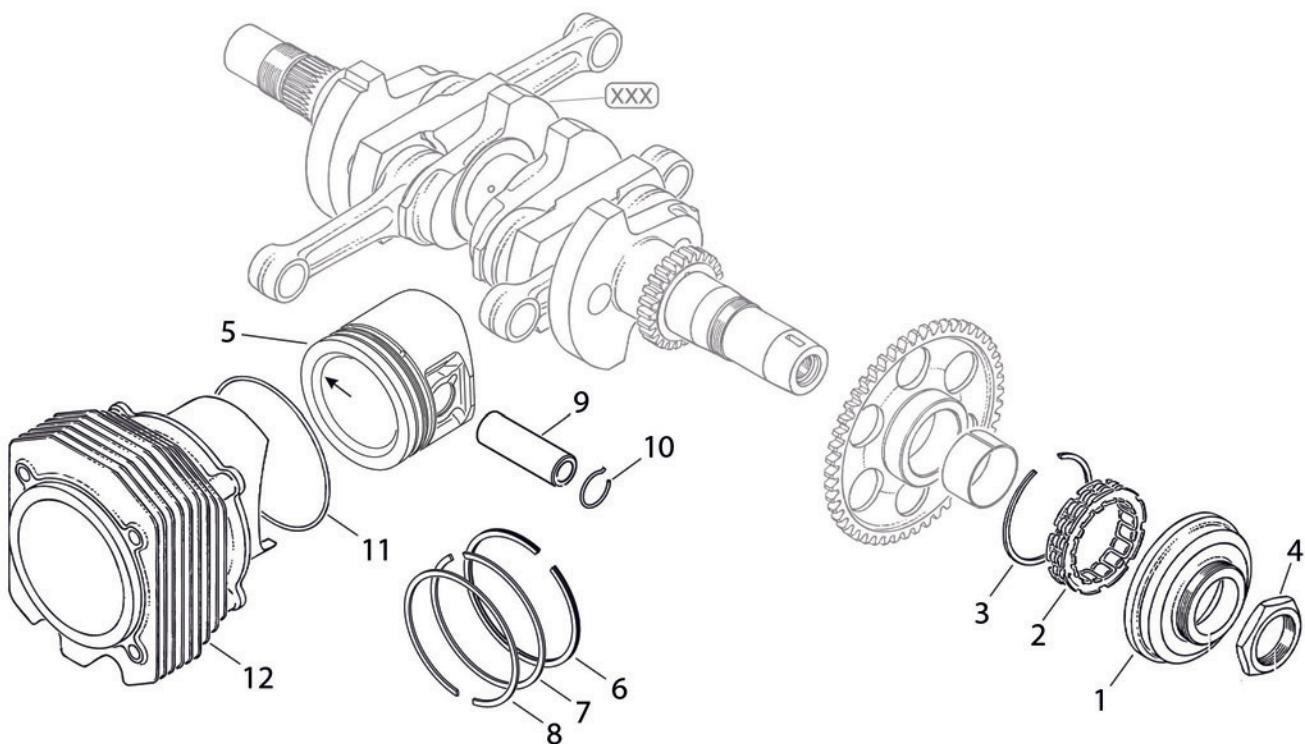
**Chapter) 72-20-00**  
**CRANKCASE**

| FIG. &<br>ITEM NO. | STATUS | PART NO.  | INDENT | Description                 | Parts per Engine |       |       |        |         |       |        |
|--------------------|--------|-----------|--------|-----------------------------|------------------|-------|-------|--------|---------|-------|--------|
|                    |        |           |        |                             | 912 A            | 912 F | 912 S | 912 UL | 912 ULS | 914 F | 914 UL |
| 1 1                |        | 300091202 | .1     | ENGINE BLOCK                |                  |       | 1b    |        | 1b      |       |        |
|                    |        | 300091401 | .1     | ENGINE BLOCK                | 1b               | 1b    |       | 1b     |         | 1b    | 1b     |
| 2                  |        | 429230    | .1     | DOWEL 6x20                  | 2                | 2     | 2     | 2      | 2       | 2     | 2      |
| 3                  |        | 431570    | .1     | O-RING 10.82x1.78-N, FPM 70 | 8                | 8     | 8     | 8      | 8       | 8     | 8      |
| 4                  |        | 944131    | .1     | WASHER 8                    | 4b               | 4b    | 4b    | 4b     | 4b      |       |        |
| 5 N<br>s.v.        |        | 940072    | .1     | HEX.COLLAR SCREW            | 2                | 2     | 2     | 2      | 2       |       |        |
|                    |        | 940071    |        | M8x45-A/F10                 |                  |       |       |        |         |       |        |
| 6                  |        | 926400    | .1     | WASHER 8.4/15/0.5           |                  |       |       |        |         | AR    | AR     |
| 6                  |        | 926401    | .1     | WASHER 8.4/15/1             |                  |       |       |        |         | AR    | AR     |
| 6                  |        | 926402    | .1     | WASHER 8.4/15/1.5           |                  |       |       |        |         | AR    | AR     |
| 7                  |        | xxxxxx    | .1     | See Chapt. 78-00-00 Fig. 3  |                  |       |       |        |         | 1     | 1      |
| 8                  |        | 440107    | .2     | ALLEN SCREW M8x50           |                  |       |       |        |         | 1b    | 1b     |
| 9                  |        | 831929    | .1     | O-RING 5x2                  | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 10                 |        | 950141    | .1     | SEALING RING A 8x13         | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 11 N<br>n.a.       |        | 240072    | .2     | ALLEN SCREW M8x20           | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
|                    |        | 240071    |        |                             |                  |       |       |        |         |       |        |
| 12                 |        | 227280    | .2     | THRUST WASHER               | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 13 N<br>s.v.       |        | 940316    | .2     | COUNTERSUNK SCREW           | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
|                    |        | 940315    |        | M5x12                       |                  |       |       |        |         |       |        |
| 14                 |        | 944222    | .2     | BLINDING SHIM               | 1a               | 1a    | 1a    | 1a     | 1a      | 1a    | 1a     |
| 15                 |        | 430061    | .2     | O-RING 26.7x1.8             | 1a               | 1a    | 1a    | 1a     | 1a      | 1a    | 1a     |

- Items not illustrated

- a Only for model 2
- b See Overhaul Manual of the respective engine type, current issue.

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**Fig. 72-20-00-2**

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**Chapter) 72-20-00**  
**CRANKSHAFT, PISTON, CYLINDER, SPRAG CLUTCH**

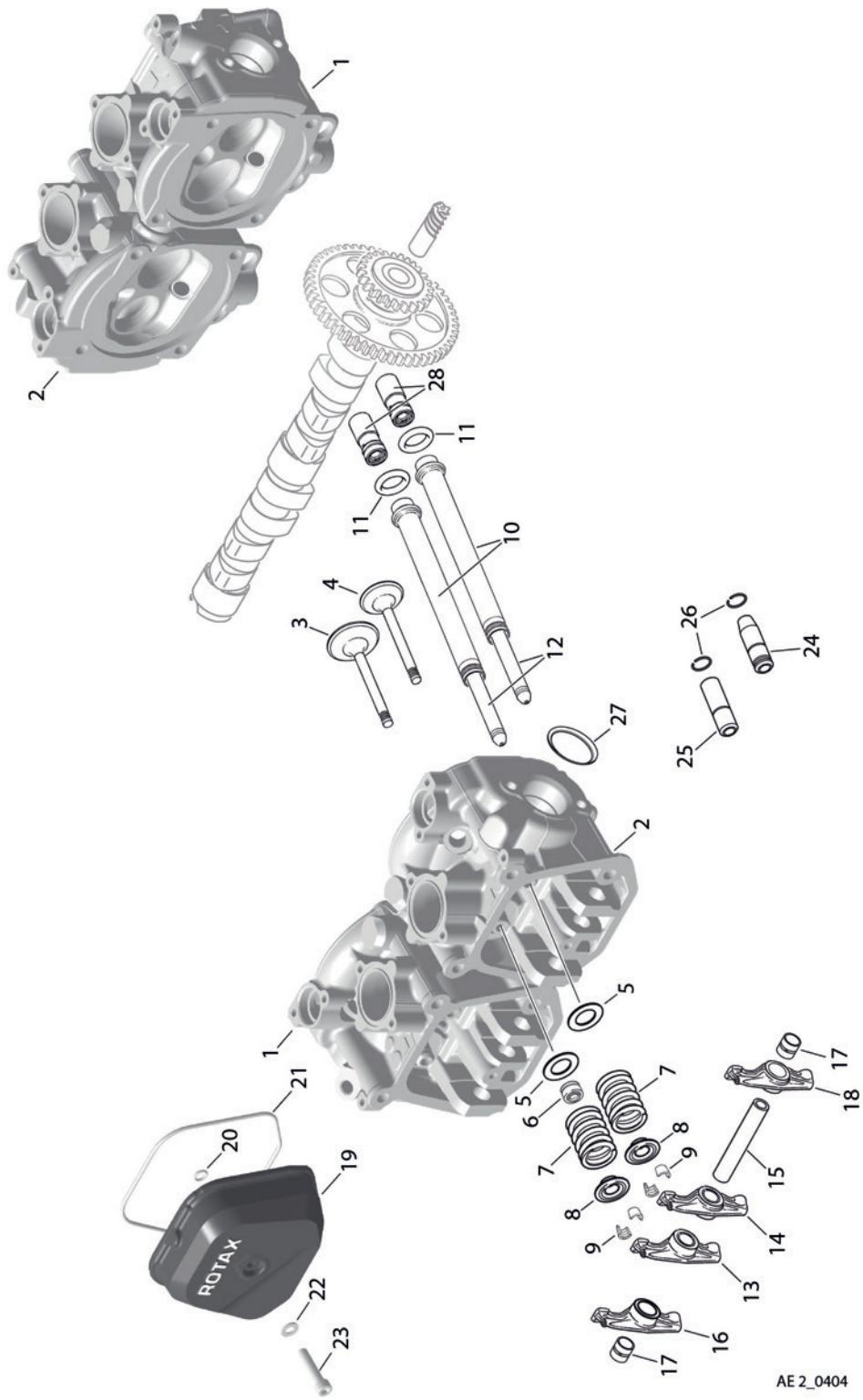
| FIG. & ITEM NO. | STATUS | PART NO. | INDENT | Description                      | Parts per Engine |       |       |        |         |       |        |
|-----------------|--------|----------|--------|----------------------------------|------------------|-------|-------|--------|---------|-------|--------|
|                 |        |          |        |                                  | 912 A            | 912 F | 912 S | 912 UL | 912 ULS | 914 F | 914 UL |
| 2 1             |        | 852406   | .1     | SPRAG CLUTCH HOUSING             | 1h               | 1h    | 1h    | 1h     | 1h      | 1h    | 1h     |
| 2               |        | 958856   | .1     | SPRAG CLUTCH 51.70x68.377x13     | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 3               |        | 845425   | .1     | CIRCLIP 70                       | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 4               |        | 842574   | .1     | HEX. NUT M34x1.5 LH              | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 5-8             |        | 996542   | .1     | PISTON ASSY. 79.50/79.51 MM      | 4a               | 4a    |       | 4a     |         | 4a    | 4a     |
| 5-8             |        | 888382   | .1     | PISTON ASSY. 84/84.01 MM         |                  |       | 4b    |        | 4b      |       |        |
| 6               |        | 215400   | .2     | OIL SCRAPER RING 79.5 MM         | 4                | 4     |       | 4      |         | 4     | 4      |
| 6               |        | 815230   | .2     | OIL SCRAPER RING 84 MM           |                  |       | 4f    |        | 4f      |       |        |
| 7               |        | 215420   | .2     | TAPERED COMPRESSION RING 79.5 MM | 4                | 4     |       | 4      |         | 4     | 4      |
| 7               |        | 815280   | .2     | TAPERED COMPRESSION RING 84      |                  |       | 4e    |        | 4e      |       |        |
| 8               |        | 215590   | .2     | RECTANGULAR RING 79.5/72.9x1.5   | 4                | 4     |       | 4      |         | 4     | 4      |
| 8               |        | 815251   | .2     | RECTANGULAR RING 84/77x1.5       |                  |       | 4e    |        | 4e      |       |        |
| 9               |        | 916356   | .1     | PISTON PIN 20x12x55.3            | 4f               | 4f    | 4f    | 4f     | 4f      | 4f    | 4f     |
| 10              |        | 845106   | .1     | MONOHOOK CIRCLIP 20              | 8                | 8     | 8     | 8      | 8       | 8     | 8      |
| 11              |        | 250510   | .1     | O-RING 87x2                      | 4                | 4     | 4     | 4      | 4       | 4     | 4      |
| 12              |        | 913222   | .1     | CYLINDER                         | 4c               | 4c    |       | 4c     |         | 4c    | 4c     |
| 12              |        | 913226   | .1     | CYLINDER                         |                  |       | 4d    |        | 4d      |       |        |
| 16              |        | 881540   | .1     | PISTON SET                       | 1g               | 1g    |       | 1g     |         | 1g    | 1g     |
| 17              |        | 881542   | .1     | PISTON SET                       |                  |       | 1g    |        | 1g      |       |        |

- Items not illustrated

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- a red 79.50 mm, green 79.51 mm
- b red 84 mm, green 84.01 mm
- c **A** 79.50 - 79.512, **B** 79.513 - 79.524
- d **A** 84.00 - 84.012, **B** 84.012 - 84.024
- e at 912 ULS the complete piston with rings has to be exchanged up to S/N 4425123
- f following Service Letter has to be noticed
  - SL-912-002 current issue
  - SL-914-002 current issue
- g Balanced piston set: max. difference 3 g
- h with drain holes

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**Fig. 72-20-00-3**

**Chapter) 72-20-00**  
**CYLINDERHEAD, VALVE TRAIN, VALVE COVER**

| FIG. & ITEM NO. | STATUS | PART NO. | INDENT | Description             | Parts per Engine |       |       |        |         |       |        |
|-----------------|--------|----------|--------|-------------------------|------------------|-------|-------|--------|---------|-------|--------|
|                 |        |          |        |                         | 912 A            | 912 F | 912 S | 912 UL | 912 ULS | 914 F | 914 UL |
| 3 1             |        | 413236   | .1     | CYLINDER HEAD 2/3 ASSY. | 2ao              | 2ao   |       | 2ao    |         | 2ao   | 2ao    |
|                 |        | 413185   | .1     | CYLINDER HEAD 2/3 ASSY. |                  |       | 2ao   |        | 2ao     |       |        |
|                 |        | 413195   | .1     | CYLINDER HEAD 1/4 ASSY. |                  |       | 2b    |        | 2b      |       |        |
|                 |        | 413246   | .1     | CYLINDER HEAD 1/4 ASSY. | 2b               | 2b    |       | 2b     |         | 2b    | 2b     |
|                 |        | 854101   | .1     | INTAKE VALVE 38 MM      | 4                | 4     | 4     | 4      | 4       | 4     | 4      |
|                 |        | 854113   | .1     | EXHAUST VALVE 32 MM     |                  |       |       |        |         | 4p    | 4p     |
|                 |        | 854111   | .1     | EXHAUST VALVE 32 MM     | 4                | 4     | 4     | 4      | 4       | 4     | 4      |
|                 |        | 926210   | .1     | SHIM 16/27.9/1          | 8                | 8     | 8     | 8      | 8       | 8     | 8      |
|                 |        | 230810   | .1     | VALVE STEM SEAL         | 4                | 4     | 4     | 4      | 4       | 4     | 4      |
|                 |        | 838156   | .1     | VALVE SPRING            | 8                | 8     | 8     | 8      | 8       | 8     | 8      |
|                 |        | 854186   | .1     | VALVE SPRING RETAINER   | 8                | 8     | 8     | 8      | 8       | 8     | 8      |
|                 | n.a.   | 253092   | .1     | VALVE COTTER            | 16               | 16    | 16    | 16     | 16      | 16    | 16     |
|                 |        | 253090   |        |                         |                  |       |       |        |         |       |        |
| 10              |        | 924440   | .1     | OIL RETURN TUBE         | 8                | 8     | 8     | 8      | 8       | 8     | 8      |
| 11              |        | 850930   | .1     | O-RING 16x5             | 8                | 8     | 8     | 8      | 8       | 8     | 8      |
| 12              |        | 854862   | .1     | VALVE PUSH-ROD ASSY.    | 8                | 8     | 8     | 8      | 8       | 8     | 8      |
| 13              | n.a.   |          | .1     | ROCKER ARM LEFT ASSY.   | 4e               | 4e    | 4e    | 4e     | 4e      | 4e    | 4e     |
| 14              | n.a.   |          | .1     | ROCKER ARM RIGHT ASSY.  | 4e               | 4e    | 4e    | 4e     | 4e      | 4e    | 4e     |
| 15              |        | 854193   | .1     | ROCKER ARM SHAFT        | 4                | 4     | 4     | 4      | 4       | 4     | 4      |

- Items not illustrated

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| FIG. & ITEM NO. | STATUS | PART NO. | INDENT | Description                | Parts per Engine |       |       |        |         |       |        |
|-----------------|--------|----------|--------|----------------------------|------------------|-------|-------|--------|---------|-------|--------|
|                 |        |          |        |                            | 912 A            | 912 F | 912 S | 912 UL | 912 ULS | 914 F | 914 UL |
| 16              |        | 854383   | .1     | ROCKER ARM LEFT ASSY.      | 4                | 4     | 4     | 4      | 4       | 4     | 4      |
| 17              |        | 933396   | .1     | VESPEL BUSHING VESPEL      | 8                | 8     | 8     | 8      | 8       | 8     | 8      |
| 18              |        | 854393   | .1     | ROCKER ARM RIGHT ASSY.     | 4                | 4     | 4     | 4      | 4       | 4     | 4      |
| 19              |        | 612263   | .1     | VALVE COVER BLACK          | 4                | 4     |       | 4      |         |       |        |
| 19              |        | 612262   | .1     | VALVE COVER RED            |                  |       |       |        |         | 4     | 4      |
| 19              |        | 612260   | .1     | VALVE COVER GRUEN          |                  |       | 4     |        | 4       |       |        |
| 19              | S.V.   | 612180   | .1     | VALVE COVER BLAU           |                  |       | 4     |        | 4       |       |        |
| 20-21           |        | 881920   | .1     | O-RING SET                 | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 20              |        | 430205   | .2     | O-RING 6.4x1.8             | 4                | 4     | 4     | 4      | 4       | 4     | 4      |
| 21              |        | 250285   | .2     | O-RING 105x2.5             | 4                | 4     | 4     | 4      | 4       | 4     | 4      |
| 22              |        | 927941   | .1     | WASHER 6.0/12/1            | 4                | 4     | 4     | 4      | 4       | 4     | 4      |
| 23              |        | 840887   | .1     | ALLEN SCREW M6x30          | 4                | 4     | 4     | 4      | 4       | 4     | 4      |
| 24              |        | 253114   | .1     | INLET VALVE GUIDE          | 4h               | 4h    | 4h    | 4h     | 4h      | 4h    | 4h     |
| 25              |        | 854224   | .1     | INLET VALVE GUIDE          | 4i               | 4i    | 4i    | 4i     | 4i      | 4i    | 4i     |
| 26              |        | 245440   | .1     | RETAINING RING             | 8j               | 8j    | 8j    | 8j     | 8j      | 8j    | 8j     |
| 27              |        | 931920   | .1     | GASKET RING                | ARk              | ARk   | ARk   | ARk    | ARk     | ARk   | ARk    |
| 28              |        | 881832   | .1     | HYDRAULIC VALVE TAPPET SET | 1n               | 1n    | 1n    | 1n     | 1n      | 1n    | 1n     |
|                 |        | 854097   | .2     |                            | 8                | 8     | 8     | 8      | 8       | 8     | 8      |

- Items not illustrated

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- a for cylinder 2 and 3
- b for cylinder 1 and 4

c Up to engine S/N  
912 A: 4410203

912 F: 4412756

912 UL: 4401879

914 F: 4420038

914 UL: 4417597

Single valve springs and double valve springs if required are allowed to be mounted in one engine.

- d -
- e -
- f -
- g -
- h for inlet valve, chafe up to new measurement
- i for outlet valve, chafe up to new measurement
- j

**NOTICE**

Use only once!

- k for rework of exhaust port  
See Overhaul Manual of the respective engine type, current issue.
- l Marked with S/N
- m Without worm gear
- n pre-filled, 8 parts per set
- o Cylinder heads where the coolant temperature is measured.
- p see SI-914-30

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**Chapter) 73-00-00**

**BING CONSTANT SPEED DEPRESSION CARBURETOR - SINGLE PARTS**

| Config.                | Status | Part No. | Indent | Description                           | Parts per Engine |       |       |        |         |       |        |
|------------------------|--------|----------|--------|---------------------------------------|------------------|-------|-------|--------|---------|-------|--------|
|                        |        |          |        |                                       | 912 A            | 912 F | 912 S | 912 UL | 912 ULS | 914 F | 914 UL |
| Airfilter              |        | 892500   | .1     | CONSTANT DEPRESSION CARB.<br>ASSY 1/3 | 1                | 1     |       | 1      |         |       |        |
|                        |        | 892505   | .1     | CONSTANT DEPRESSION CARB.<br>ASSY 2/4 | 1                | 1     |       | 1      |         |       |        |
| Airbox                 |        | 892500   | .1     | CONSTANT DEPRESSION CARB.<br>ASSY 1/3 | (1)a             | (1)a  |       | (1)a   |         |       |        |
|                        |        | 892505   | .1     | CONSTANT DEPRESSION CARB.<br>ASSY 2/4 | (1)a             | (1)a  |       | (1)a   |         |       |        |
| Airbox or<br>Airfilter |        | 892530   | .1     | CONSTANT DEPRESSION CARB.<br>ASSY 1/3 |                  |       | 1     |        | 1       |       |        |
|                        |        | 892535   | .1     | CONSTANT DEPRESSION CARB.<br>ASSY 2/4 |                  |       | 1     |        | 1       |       |        |
| Airbox                 | n.a.   | 887093   | .1     | CONSTANT DEPRESSION CARB.<br>ASSY 1/3 |                  |       |       |        |         | 1b    | 1b     |
|                        | n.a.   | 887098   | .1     | CONSTANT DEPRESSION CARB.<br>ASSY 2/4 |                  |       |       |        |         | 1c    | 1c     |
|                        |        | 892520   | .1     | CONSTANT DEPRESSION CARB.<br>ASSY 1/3 |                  |       |       |        |         | 1b    | 1b     |
|                        |        | 892525   | .1     | CONSTANT DEPRESSION CARB.<br>ASSY 2/4 |                  |       |       |        |         | 1c    | 1c     |

- Items not illustrated

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ILLUSTRATED PARTS CATALOG

|                    | <b>912 UL/A/F</b>      | <b>912 ULS/ULSFR/S</b>  | <b>914 UL/F</b>         |
|--------------------|------------------------|-------------------------|-------------------------|
| Version            | <b>59.6 kW (81 hp)</b> | <b>73.5 kW (100 hp)</b> | <b>84.5 kW (115 hp)</b> |
| Airbox part no.    | 667355                 | Carburetor part no.     | Carburetor part no.     |
| BING no.           |                        |                         |                         |
| Main jet           |                        |                         |                         |
| Needle position    |                        |                         |                         |
| Air filter         |                        |                         |                         |
| BING no.           |                        |                         |                         |
| Main jet           |                        |                         |                         |
| Needle position    |                        |                         |                         |
| Airbox part no.    | 892500                 | 892505                  | 892530 <sup>4)</sup>    |
| BING no.           | 64/32/416A-02          | 64/32/417A-02           | 64/32/421A-02           |
| Main jet           | HD 158 (1)<br>NP 3     | HD 158 (1)<br>NP 3      | HD 155<br>NP 3          |
| Needle position    |                        |                         |                         |
| Airbox part no.    | 892500 <sup>2)</sup>   | 892505 <sup>3)</sup>    | 892535 <sup>5)</sup>    |
| BING no.           | 64/32/416A-02          | 64/32/417A-02           | 64/32/422A-02           |
| Main jet           | HD 158<br>NP 3         | HD 158<br>NP 3          | HD 155<br>NP 3          |
| Needle position    |                        |                         |                         |
| Airbox part no.    | 867753                 |                         | 887093 <sup>6)</sup>    |
| BING no.           |                        |                         | 64/32/418/01            |
| Main jet           |                        |                         | HD 160 <sup>10)</sup>   |
| Needle position    |                        |                         | NP 2                    |
| Airbox part no.    | 667162                 |                         | 887098 <sup>7)</sup>    |
| BING no.           |                        |                         | 64/32/419/01            |
| Main jet           |                        |                         | HD 164 <sup>10)</sup>   |
| Needle position    |                        |                         | NP 2                    |
| Airbox part no.    | 667167                 |                         | 887093 <sup>8)</sup>    |
| BING no.           |                        |                         | 64/32/418/01            |
| Main jet           |                        |                         | HD 160 <sup>10)</sup>   |
| Needle position    |                        |                         | NP 1                    |
| Airbox part no.    | 667574                 |                         | 892520 <sup>9)</sup>    |
| BING no.           |                        |                         | 64/32/419A-05           |
| Main jet           |                        |                         | HD 156 <sup>10)</sup>   |
| Needle position    |                        |                         | NP 2                    |
| Needle jet         |                        | ND 2.72                 | ND 2.72                 |
| Diffusor           |                        | 961200                  | 961200                  |
| Jet needle         |                        |                         | 961215                  |
| Idle jet           |                        |                         | LD 35                   |
| Cold start jet     |                        |                         | SD 85 <sup>10)</sup>    |
| Float needle       |                        |                         | 261706                  |
| Idle mixture screw |                        |                         | LS 1.5                  |

**Fig. 73-00-00-1**

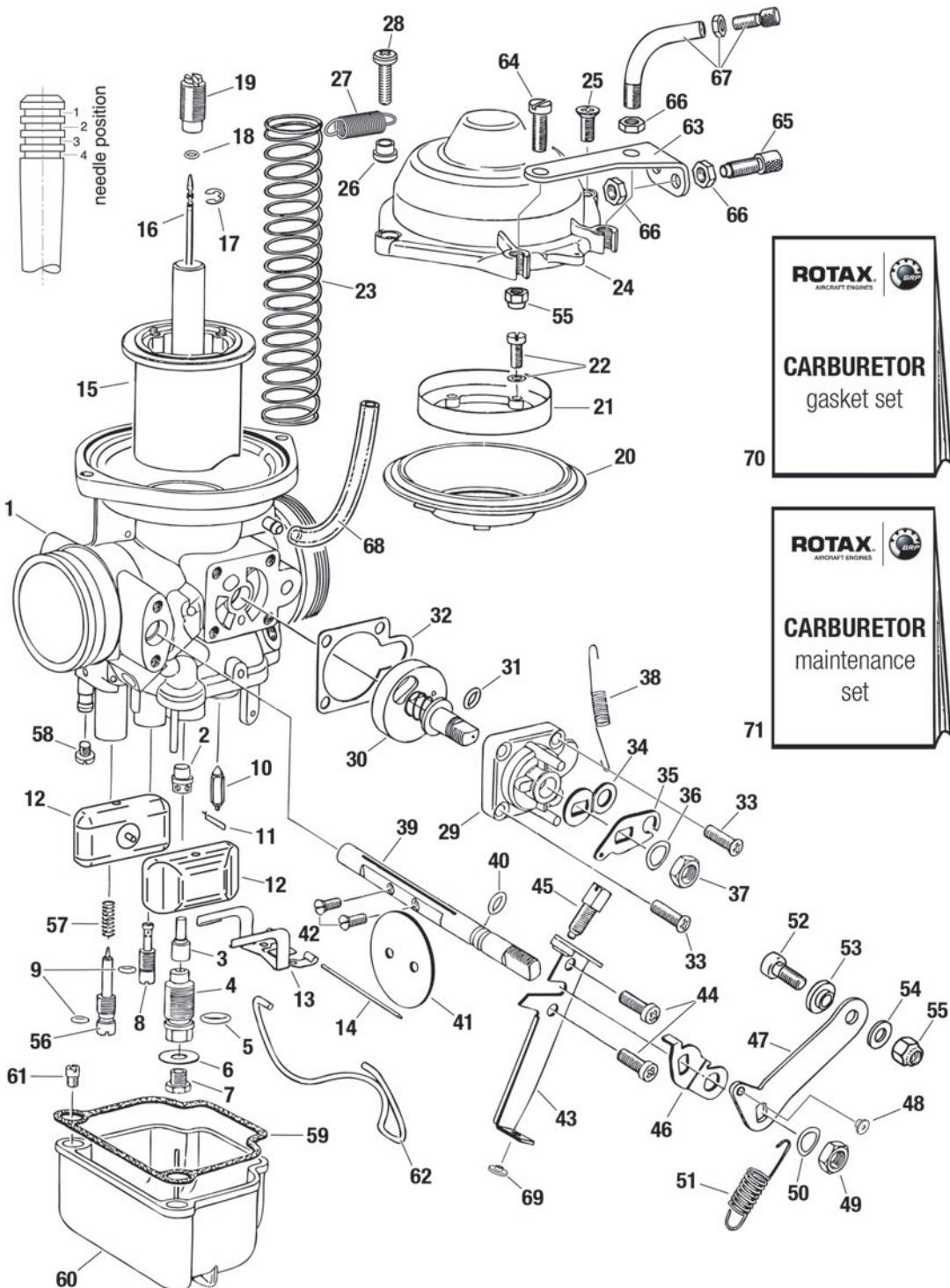
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- a For airbox  
See SB-912-044
- b 64/32/398F/06, for cylinder 1/3;  
See SI-914-015 current issue
- c 64/32/399F/06, for cylinder 2/4 incl. throttle potentiometer - see chapter 73-00-00/Fig. 3;  
See SI-914-015 current issue
- 1 See Service Instruction SI-03-1998
- 2 Replace part no. 887262 (64/32/394F/04) / 887264 (64/32/394/08) / 888802 (64/32/416/01) / 888803 (64/32/416A/00)
- 3 Replace part no. 887267 (64/32/395F/04) / 887269 (64/32/395/08) / 888807 (64/32/417/01) / 888808 (64/32/417A/00)
- 4 Replace part no. 888370 (64/32/409F/01) / 888372 (64/32/412/00) / 888373 (64/32/421/01) / 888374 (64/32/421A/00)
- 5 Replace part no. 888375 (64/32/410F701) / 888377 (64/32/411/00) / 888378 (64/32/422/01) / 888379 (64/32/422A700)
- 6 Replace part no. 887092 (64/32/398F-06)
- 7 Replace part no. 887097 (64/32/399F-07)
- 8 Replace part no. 887094 (64/32/418A-00)
- 9 Replace part no. 887099 (64/32/419A-00)
- 10 Depends on airbox version;  
See SI-914-013 and SI-914-015 current issue
- 11 Depends on airbox version;  
See SB-914-044 current issue

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**912 Series**

09778

**Fig. 73-00-00-2**

d06555.fm

## BRP-Rotax

## ILLUSTRATED PARTS CATALOG

**Chapter) 73-00-00****CARBURETOR - SINGLE PARTS 912 SERIES**

| FIG. & ITEM NO. | STATUS    | PART NO.         | INDENT | Description                     | Parts per carburetor |       |       |        |         |       |        |
|-----------------|-----------|------------------|--------|---------------------------------|----------------------|-------|-------|--------|---------|-------|--------|
|                 |           |                  |        |                                 | 912 A                | 912 F | 912 S | 912 UL | 912 ULS | 914 F | 914 UL |
| 2 1             |           | -                | .1     | CARBURETOR HOUSING              | 1c                   | 1c    | 1c    | 1c     | 1c      |       |        |
| 2               |           | 961200           | .1     | DIFFUSER                        | 1                    | 1     |       | 1      |         |       |        |
| 2               |           | 961202           | .1     | DIFFUSER                        |                      |       | 1     |        | 1       |       |        |
| 3               |           | 261607           | .1     | NEEDLE JET 2.72                 | 1                    | 1     |       | 1      |         |       |        |
| 3               |           | 261608           | .1     | NEEDLE JET 2.70                 |                      |       | 1     |        | 1       |       |        |
| 4               |           | 963130           | .1     | MIXING TUBE                     | 1                    | 1     | 1     | 1      | 1       |       |        |
| 5               |           | 430800           | .1     | O-RING 8x2                      | 1                    | 1     | 1     | 1      | 1       |       |        |
| 6               |           | 827160           | .1     | SHIM                            | 1                    | 1     | 1     | 1      | 1       |       |        |
| 7               |           | 268985           | .1     | MAIN JET 160                    |                      |       | 1i    |        | 1i      |       |        |
| 7               |           | 268984           | .1     | MAIN JET 155                    | (1)f                 | (1)f  | 1     | (1)f   | 1       |       |        |
| 7               |           | 268996           | .1     | MAIN JET 158                    | 1                    | 1     |       | 1      |         |       |        |
| 8               |           | 963141           | .1     | IDLE JET 30                     | 1                    | 1     | 1     | 1      | 1       |       |        |
| 8               |           | 963143           | .1     | IDLE JET 35                     | 1                    | 1     | 1     | 1      | 1       |       |        |
| 9               |           | 831713           | .1     | O-RING 3.2x1.8                  | 2g                   | 2g    | 2g    | 2g     | 2g      |       |        |
| 10              |           | 261708           | .1     | FLOAT NEEDLE VALVE W. VITON TIP | 1g                   | 1g    | 1g    | 1g     | 1g      |       |        |
| 11              |           | 261710           | .1     | FLOAT NEEDLE CLIP               | 1                    | 1     | 1     | 1      | 1       |       |        |
| 12              | N<br>n.a. | 861189<br>861188 | .1     | FLOATS PAIR                     | 1h                   | 1h    | 1h    | 1h     | 1h      |       |        |
| 13              |           | 861192           | .1     | FLOAT BRACKET                   | 1                    | 1     | 1     | 1      | 1       |       |        |
| 14              |           | 929702           | .1     | PIN                             | 1                    | 1     | 1     | 1      | 1       |       |        |
| 15              |           | 961230           | .1     | CARBURETOR PISTON               | 1                    | 1     | 1     | 1      | 1       |       |        |
| 16              |           | 961215           | .1     | JET NEEDLE                      | 1                    | 1     | 1     | 1      | 1       |       |        |
| 17              | N         | 945786           | .1     | CIRCLIP                         | 1                    | 1     | 1     | 1      | 1       |       |        |
| 18              |           | 950430           | .1     | O-RING 2.5x1.5-N                | 1                    | 1     | 1     | 1      | 1       |       |        |

- Items not illustrated

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| FIG. & ITEM NO. | STATUS    | PART NO.         | INDENT | Description                | Parts per carburetor |       |       |        |         |       |        |
|-----------------|-----------|------------------|--------|----------------------------|----------------------|-------|-------|--------|---------|-------|--------|
|                 |           |                  |        |                            | 912 A                | 912 F | 912 S | 912 UL | 912 ULS | 914 F | 914 UL |
| 19              |           | 961293           | .1     | FIXATION SCREW             | 1e                   | 1e    | 1e    | 1e     | 1e      |       |        |
| 20              |           | 861116           | .1     | DIAPHRAGM                  | 1                    | 1     | 1     | 1      | 1       |       |        |
| 21              | N<br>S.V. | 961241<br>961240 | .1     | RETAINING RING             | 1                    | 1     | 1     | 1      | 1       |       |        |
| 22              |           | 841210           | .1     | COMBINED SCREW M4x12       | 4                    | 4     | 4     | 4      | 4       |       |        |
| 23              |           | 938365           | .1     | THROTTLE VALVE SPRING      | 1                    | 1     | 1     | 1      | 1       |       |        |
| 24              |           | 961250           | .1     | CHAMBER TOP                | 1                    | 1     | 1     | 1      | 1       |       |        |
| 25              |           | 841341           | .1     | COUNTERSUNK SCREW M5x12    | 1                    | 1     | 1     | 1      | 1       |       |        |
| 26              |           | 847910           | .1     | DISTANCE SLEEVE            | 1                    | 1     | 1     | 1      | 1       |       |        |
| 27              |           | 838242           | .1     | SPRING                     | 1                    | 1     | 1     | 1      | 1       |       |        |
| 28              |           | 640251           | .1     | OVAL HEAD SCREW M5x20      | 1                    | 1     | 1     | 1      | 1       |       |        |
| 29              | N<br>S.V. | 961281<br>961280 | .1     | CHOKE HOUSING              | 1                    | 1     | 1     | 1      | 1       |       |        |
| 30              |           | 961273           | .1     | CHOKE VALVE ASSY. 1/3      | 1a,g                 | 1a,g  | 1a,g  | 1a,g   | 1a,g    |       |        |
| 30              |           | 961278           | .1     | CHOKE VALVE ASSY. 2/4      | 1b,g                 | 1b,g  | 1b,g  | 1b,g   | 1b,g    |       |        |
| 31              |           | 950420           | .1     | O-RING 5x1.5               | 1                    | 1     | 1     | 1      | 1       |       |        |
| 32              |           | 950030           | .1     | GASKET                     | 1                    | 1     | 1     | 1      | 1       |       |        |
| 33              |           | 841360           | .1     | PHILLIPS HEAD SCREW M4x14  | 4                    | 4     | 4     | 4      | 4       |       |        |
| 34              |           | 848241           | .1     | CHOKE LEVER INSIDE         | 1                    | 1     | 1     | 1      | 1       |       |        |
| 35              |           | 848245           | .1     | CHOKE LEVER OUTSIDE        | 1                    | 1     | 1     | 1      | 1       |       |        |
| 36              |           | 845035           | .1     | SPRING WASHER 8.3/13.6/0.4 | 2                    | 2     | 2     | 2      | 2       |       |        |
| 37              |           | 942290           | .1     | HEX. NUT M8x1              | 2                    | 2     | 2     | 2      | 2       |       |        |
| 38              | N<br>S.V. | 938286<br>938287 | .1     | RETURN SPRING              | 1                    | 1     | 1     | 1      | 1       |       |        |
| 39              |           | 963992           | .1     | THROTTLE SHAFT             | 1                    | 1     | 1     | 1      | 1       |       |        |
| 40              |           | 950020           | .1     | O-RING 6x1.9               | 1                    | 1     | 1     | 1      | 1       |       |        |
| 41              |           | 963666           | .1     | THROTTLE VALVE             | 1                    | 1     | 1     | 1      | 1       |       |        |
| 42              |           | 941200           | .1     | SLOTTED HEAD SCREW M3x6    | 2                    | 2     | 2     | 2      | 2       |       |        |

- Items not illustrated

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| FIG. & ITEM NO. | STATUS    | PART NO.         | INDENT | Description                | Parts per carburetor |       |       |        |         |       |        |
|-----------------|-----------|------------------|--------|----------------------------|----------------------|-------|-------|--------|---------|-------|--------|
|                 |           |                  |        |                            | 912 A                | 912 F | 912 S | 912 UL | 912 ULS | 914 F | 914 UL |
| 43              |           | 961262           | .1     | CABLE SUPPORT 1/3          | 1a,g                 | 1a,g  | 1a,g  | 1a,g   | 1a,g    |       |        |
| 43              |           | 961267           | .1     | CABLE SUPPORT 2/4          | 1b,g                 | 1b,g  | 1b,g  | 1b,g   | 1b,g    |       |        |
| 44              |           | 240357           | .1     | OVAL HEAD SCREW M4x10      | 2                    | 2     | 2     | 2      | 2       |       |        |
| 45              |           | 963162           | .1     | THROTTLE VALVE STOP SCREW  | 1                    | 1     | 1     | 1      | 1       |       |        |
| 46              |           | 848232           | .1     | STOP LEVER 2/4             | 1b                   | 1b    | 1b    | 1b     | 1b      |       |        |
| 46              |           | 848230           | .1     | STOP LEVER 1/3             | 1a                   | 1a    | 1a    | 1a     | 1a      |       |        |
| 47-48<br>52-55  |           | 963026           | .1     | THROTTLE VALVE LEVER 1/3   | 1a,g                 | 1a,g  | 1a,g  | 1a,g   | 1a,g    |       |        |
| 47-48<br>52-55  |           | 963021           | .1     | THROTTLE VALVE LEVER 2/4   | 1b,g                 | 1b,g  | 1b,g  | 1b,g   | 1b,g    |       |        |
| 48              |           | 963015           | .2     | SLEEVE                     | 1                    | 1     | 1     | 1      | 1       |       |        |
| 49              |           | 942290           | .1     | HEX. NUT M8x1              | 2                    | 2     | 2     | 2      | 2       |       |        |
| 50              |           | 845035           | .1     | SPRING WASHER 8.3/13.6/0.4 | 2                    | 2     | 2     | 2      | 2       |       |        |
| 51              | N<br>s.v. | 938288<br>938289 | .1     | RETURN SPRING              | 1                    | 1     | 1     | 1      | 1       |       |        |
| 52              |           | 241847           | .1     | ALLEN SCREW M5x12          | 1                    | 1     | 1     | 1      | 1       |       |        |
| 53              |           | 847740           | .1     | GRADUATED SLEEVE           | 1                    | 1     | 1     | 1      | 1       |       |        |
| 54              | N<br>s.v. | 827801<br>827800 | .1     | WASHER A5.5                | 1                    | 1     | 1     | 1      | 1       |       |        |
| 55              | N<br>s.v. | 842032<br>842030 | .1     | LOCK NUT M5                | 2                    | 2     | 2     | 2      | 2       |       |        |
| 56              |           | 961222           | .1     | IDLE MIXTURE SCREW         | 1                    | 1     | 1     | 1      | 1       |       |        |
| 57              |           | 239463           | .1     | COMPRESSION SPRING         | 1g                   | 1g    | 1g    | 1g     | 1g      |       |        |
| 58              |           | 941740           | .1     | SLOTTED HEAD SCREW M3.5x5  | 1                    | 1     | 1     | 1      | 1       |       |        |
| 59              | N<br>s.v. | 830721<br>830724 | .1     | GASKET (viton)             | 1                    | 1     | 1     | 1      | 1       |       |        |
|                 |           |                  | .1     | GASKET (cork)              | 1                    | 1     | 1     | 1      | 1       |       |        |
| 60-61           |           | 963230           | .1     | FLOAT CHAMBER ASSY. 1/3    | 1                    | 1     | 1     | 1      | 1       |       |        |
| 60-61           |           | 963232           | .1     | FLOAT CHAMBER ASSY. 2/4    | 1                    | 1     | 1     | 1      | 1       |       |        |

- Items not illustrated

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| FIG. & ITEM NO. | STATUS | PART NO. | INDENT | Description                 | Parts per carburetor |       |       |        |         |       |        |
|-----------------|--------|----------|--------|-----------------------------|----------------------|-------|-------|--------|---------|-------|--------|
|                 |        |          |        |                             | 912 A                | 912 F | 912 S | 912 UL | 912 ULS | 914 F | 914 UL |
| 61              |        | 268758   | .2     | JET 85                      | 1                    | 1     | 1     | 1      | 1       |       |        |
| 61              |        | 268762   | .2     | JET 105                     | (1)d                 | (1)d  | (1)d  | (1)d   | (1)d    |       |        |
| 61              |        | 268857   | .2     | JET 120                     | (1)d                 | (1)d  | (1)d  | (1)d   | (1)d    |       |        |
| 61              |        | 268763   | .2     | JET 130                     | (1)d                 | (1)d  | (1)d  | (1)d   | (1)d    |       |        |
| 61              |        | 268765   | .2     | JET 140                     | (1)d                 | (1)d  | (1)d  | (1)d   | (1)d    |       |        |
| 62              |        | 963180   | .1     | SPRING CLIP                 | 1                    | 1     | 1     | 1      | 1       |       |        |
| 63              |        | 851071   | .1     | SUPPORT 1/3                 | 1a                   | 1a    | 1a    | 1a     | 1a      |       |        |
| 63              |        | 851073   | .1     | SUPPORT 2/4                 | 1b                   | 1b    | 1b    | 1b     | 1b      |       |        |
| 64              |        | 240761   | .1     | SLOTTED HEAD SCREW M5x16    | 1                    | 1     | 1     | 1      | 1       |       |        |
| 65              |        | 241440   | .1     | ADJUSTMENT SCREW M6x0.75    | 1                    | 1     | 1     | 1      | 1       |       |        |
| 66              |        | 942541   | .1     | HEX. NUT M6x0.75 HIGHT 3 MM | 3                    | 3     | 3     | 3      | 3       |       |        |
| 67              |        | 861640   | .1     | BENT TUBE ASSY.             | 1                    | 1     | 1     | 1      | 1       |       |        |
| 68              |        | 256035   | .1     | AIR VENT LINE 120 MM        | 1                    | 1     | 1     | 1      | 1       |       |        |
| 69              |        | 963010   | .1     | SLEEVE                      | 1                    | 1     | 1     | 1      | 1       |       |        |
| 70              |        | 996946   | .1     | GASKET SET CARBURETOR       | 1jl                  | 1jl   | 1jl   | 1jl    | 1jl     |       |        |
| 71              |        | 889534   | .1     | MAINTENANCE SET CARBUR.     | 2kl                  | 2kl   | 2kl   | 2kl    | 2kl     |       |        |

- Items not illustrated

- a For cylinder 1/3
- b For cylinder 2/4
- c Carburetor housing not available as spare part. use carburetor assy.;
- d See SI-03-1998 current issue
- e With clearance for O-Ring (use only together with O-Ring Pos. 18 (part no. 950430));
- f For airbox part no. 867758 / part no. 867756  
See SB-912-044
- g See SI-912-012 / SI-914-014
- h Package including two floats
- i Special jetting according to instructions of the manufacturer
- j Contain parts requirement for 2 carburetors
- k Maintenance set for 1 carburetor
- l with rubber gasket

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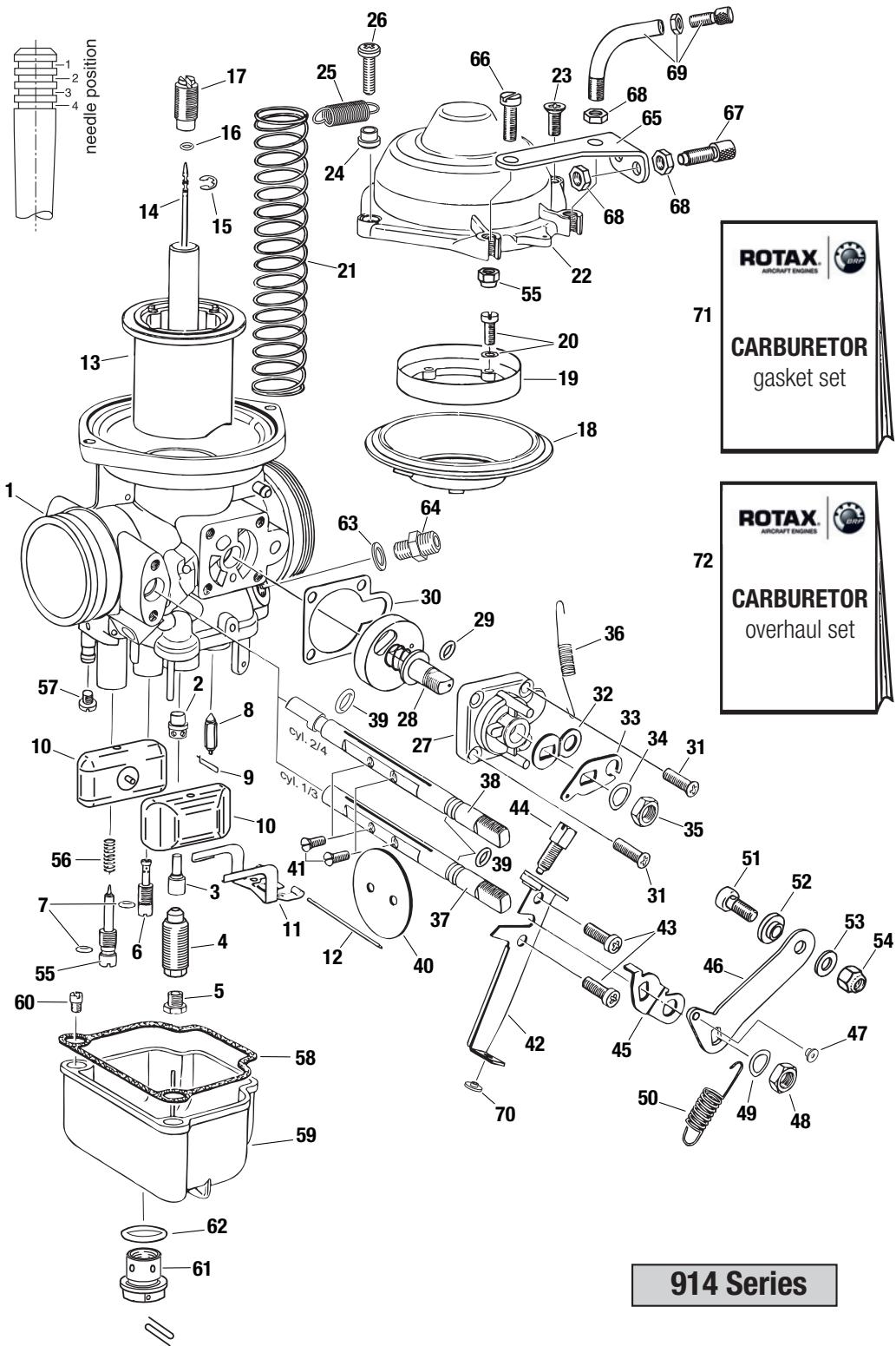


Fig. 73-00-00-3

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## ILLUSTRATED PARTS CATALOG

**Chapter) 73-00-00****CARBURETOR - SINGLE PARTS 914 SERIES**

| FIG. & ITEM NO. | STATUS    | PART NO. | INDENT | Description                     | Parts per carburetor |       |       |        |         |       |        |
|-----------------|-----------|----------|--------|---------------------------------|----------------------|-------|-------|--------|---------|-------|--------|
|                 |           |          |        |                                 | 912 A                | 912 F | 912 S | 912 UL | 912 ULS | 914 F | 914 UL |
| 3 1             |           | -        | .1     | CARBURETOR HOUSING              |                      |       |       |        |         | 1c    | 1c     |
| 2               |           | 961200   | .1     | DIFFUSER                        |                      |       |       |        |         | 1     | 1      |
| 3               |           | 261607   | .1     | NEEDLE JET 2.72                 |                      |       |       |        |         | 1     | 1      |
| 4               |           | 963135   | .1     | MIXING TUBE                     |                      |       |       |        |         | 1     | 1      |
| 5               |           | 268997   | .1     | MAIN JET 156                    |                      |       |       |        |         | 1g    | 1g     |
| 5               |           | 268996   | .1     | MAIN JET 158                    |                      |       |       |        |         | 1b,g  | 1b,g   |
| 5               |           | 268985   | .1     | MAIN JET 160                    |                      |       |       |        |         | 1h    | 1h     |
| 5               |           | 268993   | .1     | MAIN JET 164                    |                      |       |       |        |         | 1b,h  | 1b,h   |
| 6               |           | 963141   | .1     | IDLE JET 30                     |                      |       |       |        |         | 1     | 1      |
| 6               |           | 963143   | .1     | IDLE JET 35                     |                      |       |       |        |         | 1     | 1      |
| 7               |           | 831713   | .1     | O-RING 3.2x1.8                  |                      |       |       |        |         | 2f    | 2f     |
| 8               |           | 261708   | .1     | FLOAT NEEDLE VALVE W. VITON TIP |                      |       |       |        |         | 1f    | 1f     |
| 9               |           | 261710   | .1     | FLOAT NEEDLE CLIP               |                      |       |       |        |         | 1     | 1      |
| 10              | N<br>n.a. | 861189   | .1     | FLOATS PAIR                     |                      |       |       |        |         | 1i    | 1i     |
| 11              |           | 861188   |        |                                 |                      |       |       |        |         |       |        |
| 11              |           | 861192   | .1     | FLOAT BRACKET                   |                      |       |       |        |         | 1     | 1      |
| 12              |           | 929702   | .1     | PIN                             |                      |       |       |        |         | 1     | 1      |
| 13              |           | 961230   | .1     | CARBURETOR PISTON               |                      |       |       |        |         | 1     | 1      |
| 14              |           | 961215   | .1     | JET NEEDLE                      |                      |       |       |        |         | 1     | 1      |
| 15              | N         | 945786   | .1     | CIRCLIP                         |                      |       |       |        |         | 1     | 1      |
| 16              |           | 950430   | .1     | O-RING 2.5x1.5-N                |                      |       |       |        |         | 1     | 1      |
| 17              |           | 961293   | .1     | FIXATION SCREW                  |                      |       |       |        |         | 1e    | 1e     |
| 18              |           | 861116   | .1     | DIAPHRAGM                       |                      |       |       |        |         | 1     | 1      |
| 19              | N<br>s.v. | 961241   | .1     | RETAINING RING                  |                      |       |       |        |         | 1     | 1      |
| 19              |           | 961240   |        |                                 |                      |       |       |        |         |       |        |

- Items not illustrated

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| FIG. & ITEM NO. | STATUS    | PART NO. | INDENT | Description                | Parts per carburetor |       |       |        |         |       |        |
|-----------------|-----------|----------|--------|----------------------------|----------------------|-------|-------|--------|---------|-------|--------|
|                 |           |          |        |                            | 912 A                | 912 F | 912 S | 912 UL | 912 ULS | 914 F | 914 UL |
| 20              |           | 841210   | .1     | COMBINED SCREW M4x12       |                      |       |       |        |         | 4     | 4      |
| 21              |           | 938365   | .1     | THROTTLE VALVE SPRING      |                      |       |       |        |         | 1     | 1      |
| 22              |           | 961250   | .1     | CHAMBER TOP                |                      |       |       |        |         | 1     | 1      |
| 23              |           | 841341   | .1     | COUNTERSUNK SCREW M5x12    |                      |       |       |        |         | 1     | 1      |
| 24              |           | 847910   | .1     | DISTANCE SLEEVE            |                      |       |       |        |         | 1     | 1      |
| 25              |           | 838242   | .1     | SPRING                     |                      |       |       |        |         | 1     | 1      |
| 26              |           | 640251   | .1     | OVAL HEAD SCREW M5x20      |                      |       |       |        |         | 1     | 1      |
| 27              | N<br>S.V. | 961281   | .1     | CHOKE HOUSING              |                      |       |       |        |         | 1     | 1      |
|                 |           | 961280   |        |                            |                      |       |       |        |         |       |        |
| 28              |           | 961273   | .1     | CHOKE VALVE ASSY. 1/3      |                      |       |       |        |         | 1a,f  | 1a,f   |
| 28              |           | 961278   | .1     | CHOKE VALVE ASSY. 2/4      |                      |       |       |        |         | 1b,f  | 1b,f   |
| 29              |           | 950420   | .1     | O-RING 5x1.5               |                      |       |       |        |         | 1     | 1      |
| 30              |           | 950030   | .1     | GASKET                     |                      |       |       |        |         | 1     | 1      |
| 31              |           | 841360   | .1     | SLOTTED HEAD SCREW M4x14   |                      |       |       |        |         | 4     | 4      |
| 32              |           | 848241   | .1     | CHOKE LEVER INSIDE         |                      |       |       |        |         | 1     | 1      |
| 33              |           | 848245   | .1     | CHOKE LEVER OUTSIDE        |                      |       |       |        |         | 1     | 1      |
| 34              |           | 845035   | .1     | SPRING WASHER 8.3/13.6/0.4 |                      |       |       |        |         | 2     | 2      |
| 35              |           | 942290   | .1     | HEX. NUT M8x1              |                      |       |       |        |         | 2     | 2      |
| 36              | N<br>S.V. | 938286   | .1     | RETURN SPRING              |                      |       |       |        |         | 1     | 1      |
|                 |           | 938287   |        |                            |                      |       |       |        |         |       |        |
| 37              |           | 963992   | .1     | THROTTLE SHAFT             |                      |       |       |        |         | 1a    | 1a     |
| 38              |           | 963994   | .1     | THROTTLE SHAFT (long)      |                      |       |       |        |         | 1b    | 1b     |
| 39              |           | 950020   | .1     | O-RING 6x1.9               |                      |       |       |        |         | 2j    | 2j     |
| 40              |           | 963666   | .1     | THROTTLE VALVE             |                      |       |       |        |         | 1     | 1      |
| 41              |           | 941200   | .1     | SLOTTED HEAD SCREW M3x6    |                      |       |       |        |         | 2     | 2      |
| 42              |           | 961262   | .1     | CABLE SUPPORT 1/3          |                      |       |       |        |         | 1a,f  | 1a,f   |
| 42              |           | 961267   | .1     | CABLE SUPPORT 2/4          |                      |       |       |        |         | 1b,f  | 1b,f   |

- Items not illustrated

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ILLUSTRATED PARTS CATALOG

| FIG. & ITEM NO. | STATUS    | PART NO.         | INDENT | Description                | Parts per carburetor |       |       |        |         |       |        |
|-----------------|-----------|------------------|--------|----------------------------|----------------------|-------|-------|--------|---------|-------|--------|
|                 |           |                  |        |                            | 912 A                | 912 F | 912 S | 912 UL | 912 ULS | 914 F | 914 UL |
| 43              |           | 240357           | .1     | OVAL HEAD SCREW M4x10      |                      |       |       |        |         | 2     | 2      |
| 44              |           | 963162           | .1     | THROTTLE VALVE STOP SCREW  |                      |       |       |        |         | 1     | 1      |
| 45              |           | 848232           | .1     | STOP LEVER 2/4             |                      |       |       |        |         | 1b    | 1b     |
| 45              |           | 848230           | .1     | STOP LEVER 1/3             |                      |       |       |        |         | 1a    | 1a     |
| 46-47<br>51-54  |           | 963026           | .1     | THROTTLE VALVE LEVER 1/3   |                      |       |       |        |         | 1a,f  | 1a,f   |
| 46-47<br>51-54  |           | 963021           | .1     | THROTTLE VALVE LEVER 2/4   |                      |       |       |        |         | 1b,f  | 1b,f   |
| 47              |           | 963015           | .2     | SLEEVE                     |                      |       |       |        |         | 1     | 1      |
| 48              |           | 942290           | .1     | HEX. NUT M8x1              |                      |       |       |        |         | 2     | 2      |
| 49              |           | 845035           | .1     | SPRING WASHER 8.3/13.6/0.4 |                      |       |       |        |         | 2     | 2      |
| 50              | N<br>s.v. | 938288<br>938289 | .1     | RETURN SPRING              |                      |       |       |        |         | 1     | 1      |
| 51              |           | 241847           | .1     | ALLEN SCREW M5x12          |                      |       |       |        |         | 1     | 1      |
| 52              |           | 847740           | .1     | GRADUATED SLEEVE           |                      |       |       |        |         | 1     | 1      |
| 53              | N<br>s.v. | 827801<br>827800 | .1     | WASHER A5.5                |                      |       |       |        |         | 1     | 1      |
| 54              | N<br>n.a. | 842032<br>842030 | .1     | LOCK NUT M5                |                      |       |       |        |         | 2     | 2      |
| 55              |           | 961222           | .1     | IDLE MIXTURE SCREW         |                      |       |       |        |         | 1     | 1      |
| 56              |           | 239463           | .1     | COMPRESSION SPRING         |                      |       |       |        |         | 1f    | 1f     |
| 57              |           | 941740           | .1     | SLOTTED HEAD SCREW M3.5x5  |                      |       |       |        |         | 1     | 1      |
| 58              | N         | 830721           | .1     | GASKET (rubber)            |                      |       |       |        |         | 1 n   | 1 n    |
| 58              | s.v.      | 830728           | .1     | GASKET (paper)             |                      |       |       |        |         | 1m    | 1m     |
| 59-60           |           | 963235           | .1     | FLOAT CHAMBER ASSY. 1/3    |                      |       |       |        |         | 1     | 1      |
| 59-60           |           | 963237           | .1     | FLOAT CHAMBER ASSY. 2/4    |                      |       |       |        |         | 1     | 1      |
| 60              |           | 268758           | .2     | JET 85                     |                      |       |       |        |         | 1     | 1      |
| 60              |           | 268762           | .2     | JET 105                    |                      |       |       |        |         | (1)d  | (1)d   |

- Items not illustrated

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| FIG. & ITEM NO. | STATUS    | PART NO. | INDENT | Description                 | Parts per carburetor |       |       |        |         |       |        |
|-----------------|-----------|----------|--------|-----------------------------|----------------------|-------|-------|--------|---------|-------|--------|
|                 |           |          |        |                             | 912 A                | 912 F | 912 S | 912 UL | 912 ULS | 914 F | 914 UL |
| 60              |           | 268857   | .2     | JET 120                     |                      |       |       |        |         | (1)d  | (1)d   |
| 60              |           | 268763   | .2     | JET 130                     |                      |       |       |        |         | (1)d  | (1)d   |
| 60              |           | 268765   | .2     | JET 140                     |                      |       |       |        |         | (1)d  | (1)d   |
| 61-62           |           | 963281   | .1     | ATTACHMENT SCREW ASSY.      |                      |       |       |        |         | 1f    | 1f     |
| 62              |           | 631771   | .2     | O-RING 15.6x1.78            |                      |       |       |        |         | 1f    | 1f     |
| 63              |           | 950141   | .1     | GASKET RING A 8x13          |                      |       |       |        |         | 1     | 1      |
| 64              |           | 941853   | .1     | FUEL LINE CONNECTOR         |                      |       |       |        |         | 1     | 1      |
| 65              |           | 851071   | .1     | SUPPORT 1/3                 |                      |       |       |        |         | 1a    | 1a     |
| 65              |           | 851073   | .1     | SUPPORT 2/4                 |                      |       |       |        |         | 1b    | 1b     |
| 66              |           | 240761   | .1     | SLOTTED HEAD SCREW M5x16    |                      |       |       |        |         | 1     | 1      |
| 67              |           | 241440   | .1     | ADJUSTMENT SCREW M6x0.75    |                      |       |       |        |         | 1     | 1      |
| 68              |           | 942541   | .1     | HEX. NUT M6x0.75 HIGHT 3 MM |                      |       |       |        |         | 3     | 3      |
| 69              |           | 861640   | .1     | BENT TUBE ASSY.             |                      |       |       |        |         | 1     | 1      |
| 70              |           | 963010   | .1     | SLEEVE                      |                      |       |       |        |         | 1     | 1      |
| 71              | N<br>s.v. | 996946   | .1     | GASKET SET CARBURETOR       |                      |       |       |        |         | 1kn   | 1kn    |
|                 |           | 996947   |        | 914                         |                      |       |       |        |         | 1km   | 1km    |
| 72              | N<br>s.v. | 889534   | .1     | MAINTENANCE SET CARBURETOR  |                      |       |       |        |         | 2 ln  | 2 ln   |
|                 |           | 889536   |        |                             |                      |       |       |        |         | 2 lm  | 2 lm   |

- Items not illustrated

- a For cylinder 1/3
- b For cylinder 2/4
- c Carburetor housing not available as spare part. use carburetor assy.;
- d Refer to service instruction SI-03-1998 current issue
- e With clearance for O-Ring (use only together with O-Ring Pos. 16 (part no. 950430));
- f See therefore SI-912-012 / SI-914-014 current issue
- g For use of airbox part no. 667167  
See therefore SI-914-015 current issue  
For engine S/N:  
914 F: 4420409  
914 UL: 4418634
- h For use of airbox part no. 867753 or 667162  
See therefore SI-914-013 and SI-914-002 current issue
- i Package including two floats

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## **ILLUSTRATED PARTS CATALOG**

- j at carburetor 1/3 only 1 piece
- k Contain parts requirement for 2 carburetors
- | l Maintenance-kit for 1 carburetor
- m with paper gasket
- n with rubber gasket/ standardized with 912 engine

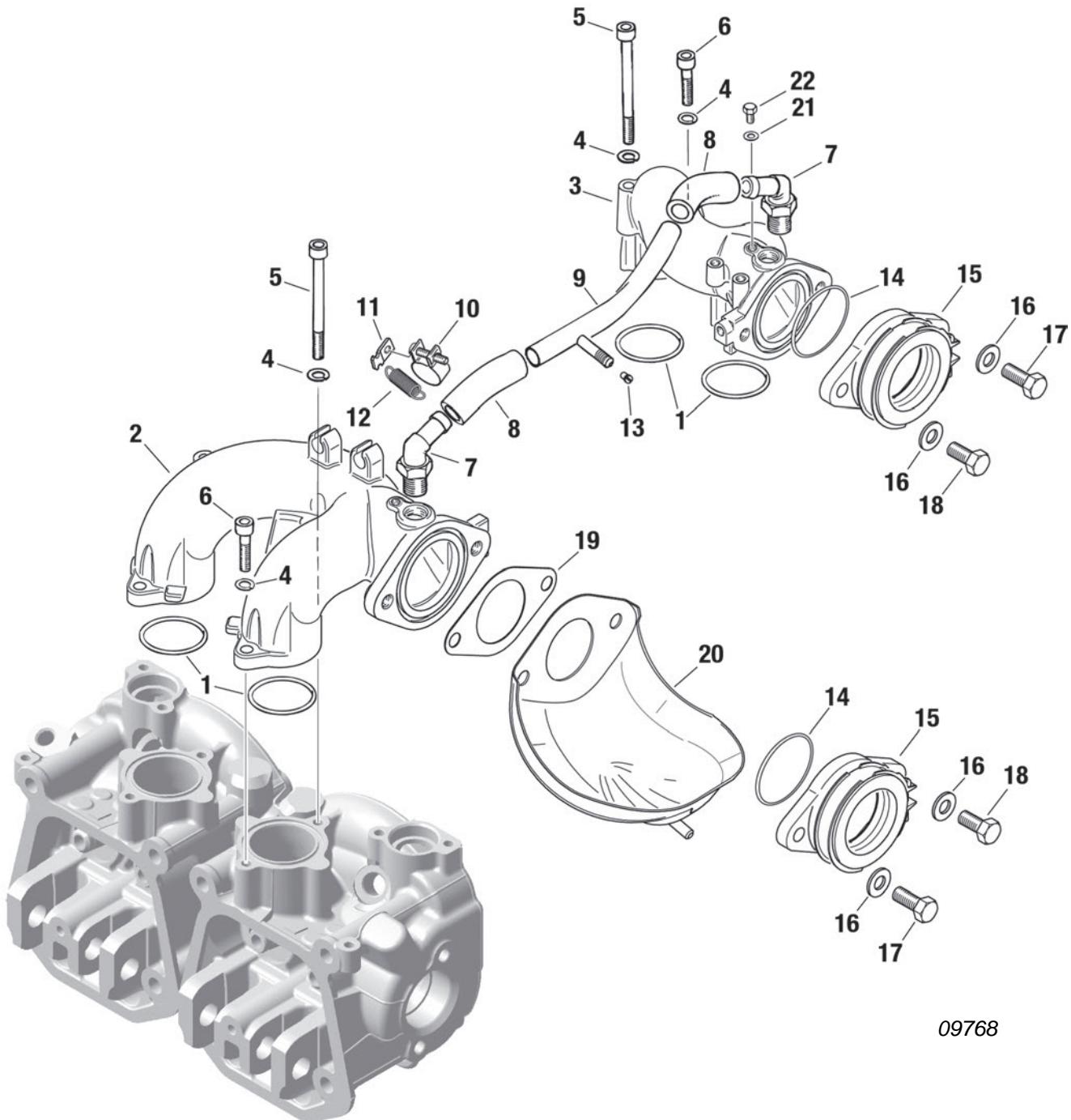
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**Fig. 73-10-00-1**

## BRP-Rotax

## ILLUSTRATED PARTS CATALOG

## Chapter) 73-10-00

## INTAKE MANIFOLD, COMPENSATING TUBE ASSY., RUBBER FLANGE ASSY.

| FIG. & ITEM NO.             | STATUS | PART NO. | INDENT | Description                | Parts per Engine |       |       |        |         |       |        |
|-----------------------------|--------|----------|--------|----------------------------|------------------|-------|-------|--------|---------|-------|--------|
|                             |        |          |        |                            | 912 A            | 912 F | 912 S | 912 UL | 912 ULS | 914 F | 914 UL |
| 1 1                         |        | 230910   | .1     | O-RING 34x2                | 4                | 4     | 4     | 4      | 4       | 4     | 4      |
| 2                           |        | 867932   | .1     | INTAKE MANIFOLD            | 1a               | 1a    | 1a    | 1a     | 1a      | 1a    | 1a     |
| 3                           |        | 867935   | .1     | INTAKE MANIFOLD            | 1g               | 1g    | 1g    | 1g     | 1g      | 1g    | 1g     |
| 4                           |        | 827962   | .1     | WASHER 6.4                 | 8                | 8     | 8     | 8      | 8       | 8     | 8      |
| 5 N<br>s.v.                 |        | 240533   | .1     | ALLEN SCREW M6x75          | 4                | 4     | 4     | 4      | 4       | 4     | 4      |
|                             |        | 240531   |        |                            |                  |       |       |        |         |       |        |
| 6 N<br>n.a.                 |        | 840866   | .1     | ALLEN SCREW M6x25          | 4                | 4     | 4     | 4      | 4       | 4     | 4      |
|                             |        | 840861   |        |                            |                  |       |       |        |         |       |        |
| 7                           |        | 922242   | .1     | ANGULAR TUBE 1/4-18NPT     | 2                | 2     | 2     | 2      | 2       | 2     | 2      |
| 8                           |        | 956143   | .1     | TUBE 66 MM                 | 2f               | 2f    | 2f    | 2f     | 2f      | 2f    | 2f     |
| 8                           |        | 956141   | .1     | TUBE 81 MM                 | 1f               | 1f    | 1f    | 1f     | 1f      | 1f    | 1f     |
| 8                           |        | 956142   | .1     | TUBE                       | 2e               | 2e    | 2e    | 2e     | 2e      | 2e    | 2e     |
| 9                           |        | 924541   | .1     | COMPENSATING TUBE ASSY.    | 1f               | 1f    | 1f    | 1f     | 1f      | 1f    | 1f     |
| 10                          |        | 853515   | .1     | CLAMP 16/9                 | 2                | 2     | 2     | 2      | 2       | 2     | 2      |
| 11                          |        | 953400   | .1     | BRACKET                    | 2                | 2     | 2     | 2      | 2       | 2     | 2      |
| 12                          |        | xxxxxx   | .1     | See chapt. 73-00-00 fig. 1 | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 13                          |        | 940980   | .1     | SCREW M3.5                 | 1f               | 1f    | 1f    | 1f     | 1f      | 1f    | 1f     |
| 14                          |        | 230300   | .1     | O-RING 47x2                | 2                | 2     | 2     | 2      | 2       | 2     | 2      |
| 15                          |        | 267789   | .1     | RUBBER FLANGE ASSY.        | 2c               | 2c    | 2c    | 2c     | 2c      | 2c    | 2c     |
| 16 s.v.<br>250315<br>250311 |        | 250315   | .1     | WASHER 8.4                 | 4                | 4     | 4     | 4      | 4       | 4     | 4      |
|                             |        | 250311   |        |                            |                  |       |       |        |         |       |        |
| 17 N<br>s.v.                |        | 940483   | .1     | HEX. SCREW M8x30           | 2                | 2     | 2     | 2      | 2       |       |        |
|                             |        | 940481   |        |                            |                  |       |       |        |         |       |        |
| 18                          |        | 240276   | .1     | HEX. SCREW M8x25           | 2f               | 2f    | 2f    | 2f     | 2f      | 4     | 4      |
| 19                          |        | 931640   | .1     | GASKET                     | 2b               | 2b    |       | 2b     |         | 2b    | 2b     |
| 20                          |        | 874300   | .1     | DRIP TRAY                  | (2d)             | (2d)  | (2d)  | (2d)   | (2d)    | 2     | 2      |

- Items not illustrated

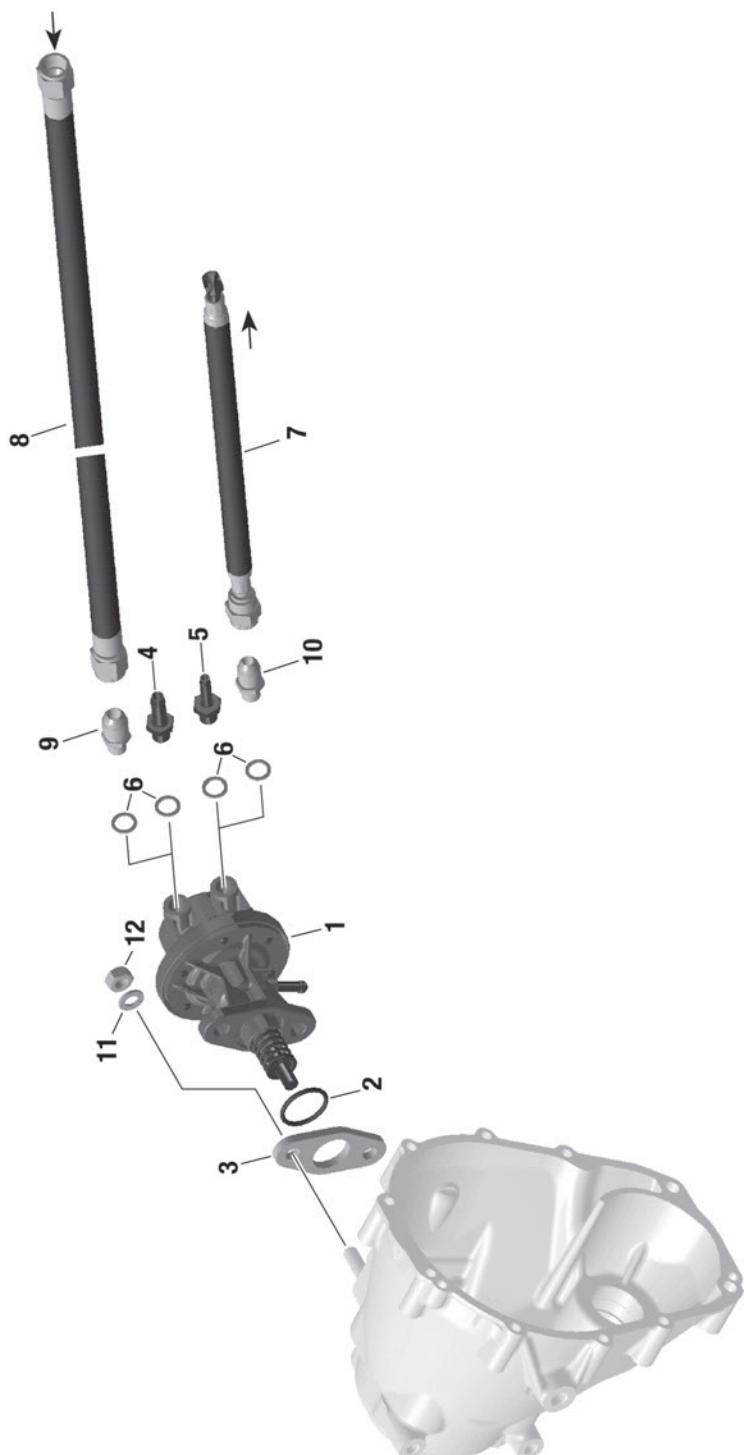
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| FIG. & ITEM NO. | STATUS | PART NO. | INDENT | Description     | Parts per Engine |       |       |        |         |       |        |
|-----------------|--------|----------|--------|-----------------|------------------|-------|-------|--------|---------|-------|--------|
|                 |        |          |        |                 | 912 A            | 912 F | 912 S | 912 UL | 912 ULS | 914 F | 914 UL |
| 21              |        | 230415   | .1     | GASKET A 6x10   | 2                | 2     | 2     | 2      | 2       | 2     | 2      |
| 22              |        | 641071   | .1     | HEX. SCREW M6x6 | 2                | 2     | 2     | 2      | 2       | 2     | 2      |

- Items not illustrated

- a For cylinder 2 and 4
- b Only at intake manifold without O-ring
- c Following Service Bulletin has to be noticed:  
SB-912-030 current issue  
SB-914-019
- d Intended for airboxes without drip tray.
- e in a roll, not with Form 1
- f Following Service Instruction has to be noticed:  
SI-912-020 current issue  
SI-914-022
- g For cylinder 1 and 3

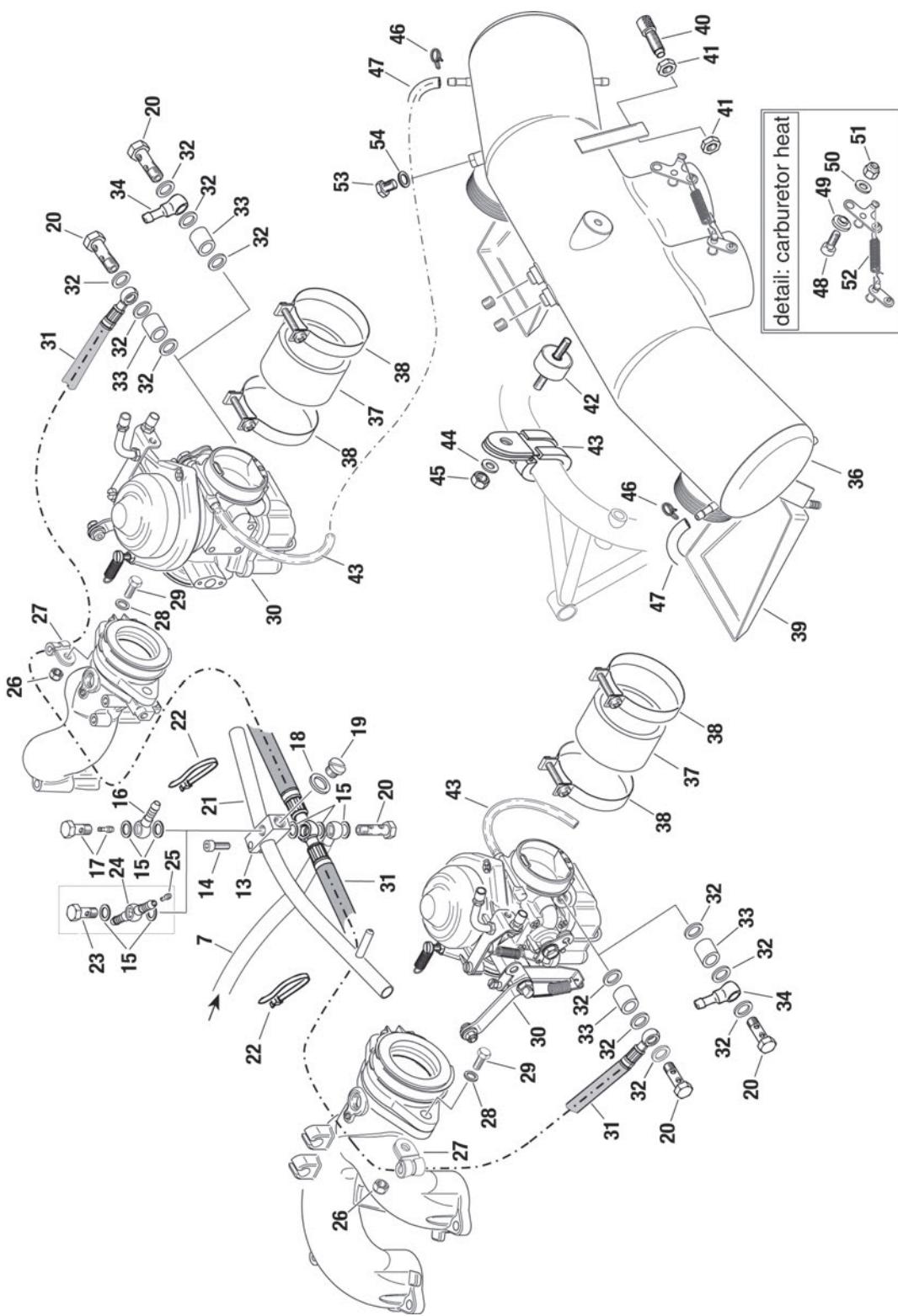
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**Fig. 73-10-00-2**

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09769\_b

**Fig. 73-10-00-2**

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**Chapter) 73-10-00**

**FUEL PUMP ASSY., FUEL HOSE ASSY., AIRBOX ASSY.**

| FIG. & ITEM NO. | STATUS | PART NO.         | INDENT | Description                | Parts per Engine |       |       |        |         |       |        |
|-----------------|--------|------------------|--------|----------------------------|------------------|-------|-------|--------|---------|-------|--------|
|                 |        |                  |        |                            | 912 A            | 912 F | 912 S | 912 UL | 912 ULS | 914 F | 914 UL |
| 2 1-3, 6-10     | n.a.   | 893114           | .1     | FUEL PUMP ASSY.            | (1)a             | 1a    | 1a    | (1)a   | (1)a    |       |        |
| 2 1-3           |        | 893115           | .1     | FUEL PUMP ASSY.            | 1bi              | 1bi   | 1bi   | 1bi    | 1bi     |       |        |
| 2               |        | 631870           | .2     | O-RING 23.47x2.62          | 1                | 1     | 1     | 1      | 1       |       |        |
| 3 N<br>S.V.     |        | 950228<br>950227 | .2     | ISOLATING FLANGE           | 1                | 1     | 1     | 1      | 1       |       |        |
| 4               |        | 840745           | .2     | NIPPLE 9/5.7               | 1i               | 1i    | 1i    | 1i     | 1i      |       |        |
| 5               |        | 840740           | .2     | NIPPLE 7/3.8               | 1i               | 1i    | 1i    | 1i     | 1i      |       |        |
| 6               |        | 250425           | .2     | GASKET RING 10.2x15x1.5    | 2i               | 2i    | 2i    | 2i     | 2i      |       |        |
| 7               |        | 874337           | .2     | FUEL HOSE ASSY.            | 1i               | 1i    | 1i    | 1i     | 1i      |       |        |
| 8               |        | 874347           | .2     | FUEL HOSE ASSY.            | 1i               | 1i    | 1i    | 1i     | 1i      |       |        |
| 9               |        | 840770           | .2     | ADAPTER 9/16-18 UNF/ M10x1 | 1i               | 1i    | 1i    | 1i     | 1i      |       |        |
| 10              |        | 840775           | .2     | ADAPTER 1/2-20 UNF/ M10x1  | 1i               | 1i    | 1i    | 1i     | 1i      |       |        |
| 11 N<br>S.V.    |        | 945832<br>945752 | .2     | LOCK WASHER A8             | 2                | 2     | 2     | 2      | 2       |       |        |
| 12              |        | 942674           | .1     | HEX. NUT M8 SW11           | 2                | 2     | 2     | 2      | 2       |       |        |
| 13 n.a.         |        | 851328<br>851327 | .1     | FUEL DISTRIBUTION BLOCK    | (1)              | 1     | 1     | (1)    | (1)     |       |        |
| 14              |        | 840518           | .1     | ALLEN SCREW M5x16          | (1)              | 1     | 1     | (1)    | (1)     |       |        |
| 15              |        | 950143           | .1     | SEALING RING A 8x13        | (5)              | 5     | 5     | (5)    | (5)     |       |        |
| 16              |        | 956312           | .1     | HOSE NIPPLE 3/4            | (1)              | (1)   | (1)   | (1)    | (1)     |       |        |
| 17              |        | 840737           | .1     | BANJO BOLT ASSY.           | (1)d             | 1d    | 1d    | (1)d   | (1)d    |       |        |
| 18              |        | 230150           | .1     | SEALING RING 10x14         | (1)              | 1     | 1     | (1)    | (1)     |       |        |
| 19              |        | 641733           | .1     | SLOTTED HEAD SCREW M10x1x8 | (1)              | 1     | 1     | (1)    | (1)     |       |        |
| 20 N<br>S.V.    |        | 940861<br>940872 | .1     | BANJO BOLT M8x1x27         | 3                | 3     | 3     | (3)    | (3)     |       |        |
| 21              |        | xxxxxx           | .1     | See fig. 1 / pos. 9        | 1                | 1     | 1     | 1      | 1       |       |        |

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| FIG. & ITEM NO. | STATUS    | PART NO.         | INDENT | Description                 | Parts per Engine |       |           |           |           |       |        |
|-----------------|-----------|------------------|--------|-----------------------------|------------------|-------|-----------|-----------|-----------|-------|--------|
|                 |           |                  |        |                             | 912 A            | 912 F | 912 S     | 912 UL    | 912 ULS   | 914 F | 914 UL |
| 22              |           | 866716           | .1     | CABLE TIE 203x7.6           | 2                | 2     | 2         | (2)       | (2)       |       |        |
| 23              | S.V. N    | 941780<br>840735 | .1     | BANJO BOLT M8x1x17          | (1)              | 1     | 1         | (1)       | (1)       |       |        |
| 24-25           |           | 956602           | .1     | DOUBLE HOSE NIPPLE ASSY.    | (1)c             | 1c    | 1c        | (1)c      | (1)c      |       |        |
| 25              |           | 963820           | .2     | PILOT JET 35                | (1)              | 1     | 1         | (1)       | (1)       |       |        |
| 26              |           | 942671           | .1     | HEX. NUT M8                 | 2                | 2     | 2         | 2         | 2         |       |        |
| 27              |           | 651430           | .1     | CABLE CLAMP 12/M8           | 2                | 2     | 2         | (2)       | (2)       |       |        |
| 28              |           | xxxxxx           | .1     | See fig. 1 / pos. 16        | 1                | 1     | 1         | (1)       | (1)       |       |        |
| 29              |           | xxxxxx           | .1     | See fig. 1 / pos. 17        | 6                | 6     | 6         | (6)       | (6)       |       |        |
| 30              |           | xxxxxx           | .1     | See chapt. 73-00-00 fig. 1  | 1                | 1     | 1         | 1         | 1         | 1     | 1      |
| 31              |           | 874911           | .1     | FUEL HOSE ASSY.             | 1                | 1     | 1         | (1)       | (1)       |       |        |
| 32              |           | 950141           | .1     | GASKET RING A 8x13          | 6                | 6     | 6         | (6)       | (6)       |       |        |
| 33              |           | 847796           | .1     | DISTANCE SLEEVE 8.4/12/7.5  | 2                | 2     | 2         | (2)       | (2)       |       |        |
| 34              |           | 956312           | .1     | HOSE NIPPLE 3/4             | 2h               | 2h    | 2h        | 2h        | 2h        |       |        |
| 35              | -         | -                | -      | -                           | -                | -     | -         | -         | -         | -     | -      |
| 36-52           |           | 667355           | .1     | AIRBOX ASSY.                | 1bg              | 1bg   | (1)b<br>g | (1)b<br>g | (1)b<br>g |       |        |
| 37              |           | 860985           | .2     | CONNECTING HOSE 35 MM       | (2)              | (2)   | (2)       | (2)       | (2)       |       |        |
| 38              |           | 853595           | .2     | CLAMP 59                    | (4)              | (4)   | (4)       | (4)       | (4)       |       |        |
| 39              |           | 874308           | .2     | DRIP TRAY SET               |                  |       | (1f)      |           | (1f)      |       |        |
| 39              |           | 874680           | .2     | DRIP TRAY SET               | (1e)             | (1e)  | (1e)      | (1e)      | (1e)      |       |        |
| 40              |           | 241440           | .2     | ADJUSTMENT SCREW M6x0.75    | (1)              | (1)   | (1)       | (1)       | (1)       |       |        |
| 41              |           | 942541           | .2     | HEX. NUT M6x0.75 HIGHT 3 MM | (2)              | (2)   | (2)       | (2)       | (2)       |       |        |
| 42              |           | 960151           | .2     | RUBBER PUFFER 20x15xM6      | (1)              | (1)   | (1)       | (1)       | (1)       |       |        |
| 43              |           | 853010           | .2     | CABLE CLAMP 32/M6           | (1)              | (1)   | (1)       | (1)       | (1)       |       |        |
| 44              |           | 927941           | .2     | WASHER 6.0/12/1             | (1)              | (1)   | (1)       | (1)       | (1)       |       |        |
| 45              | N<br>n.a. | 842041<br>842040 | .2     | LOCK NUT M6                 | (1)              | (1)   | (1)       | (1)       | (1)       |       |        |

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| FIG. &<br>ITEM NO. | STATUS    | PART<br>NO.      | INDENT | Description                   | Parts per Engine |       |       |        |         |       |        |
|--------------------|-----------|------------------|--------|-------------------------------|------------------|-------|-------|--------|---------|-------|--------|
|                    |           |                  |        |                               | 912 A            | 912 F | 912 S | 912 UL | 912 ULS | 914 F | 914 UL |
| 46                 |           | 851370           | .2     | CLAMP 8                       | (4)              | (4)   | (4)   | (4)    | (4)     |       |        |
| 47                 |           | 860660           | .2     | HOSE 4x7, IN A ROLL, 200 MM   | (2)              | (2)   | (2)   | (2)    | (2)     |       |        |
| 48                 |           | 241847           | .2     | ALLEN SCREW M5x12             | (1)              | (1)   | (1)   | (1)    | (1)     |       |        |
| 49                 |           | 847741           | .2     | GRADUATED SLEEVE              | (1)              | (1)   | (1)   | (1)    | (1)     |       |        |
| -                  |           | 881980           | .2     | RETROFIT KIT FLEX. FUEL LINES | 1i               | 1i    | 1i    | 1i     | 1i      |       |        |
| 50                 | N<br>s.v. | 827801<br>827800 | .2     | WASHER A 5.5                  | (1)              | (1)   | (1)   | (1)    | (1)     |       |        |
| 51                 |           | 842030           | .2     | LOCK NUT M5                   | (1)              | (1)   | (1)   | (1)    | (1)     |       |        |
| 52                 |           | 938030           | .1     | SPRING                        | (1)              | (1)   | (1)   | (1)    | (1)     |       |        |
| 53                 | N<br>s.v. | 240772<br>240771 | .1     | HEX. SCREW M6x10              | (1)              | (1)   | (1)   | (1)    | (1)     |       |        |
| 54                 |           | 230415           | .1     | SEALING RING A 6x10           | (1)              | (1)   | (1)   | (1)    | (1)     |       |        |

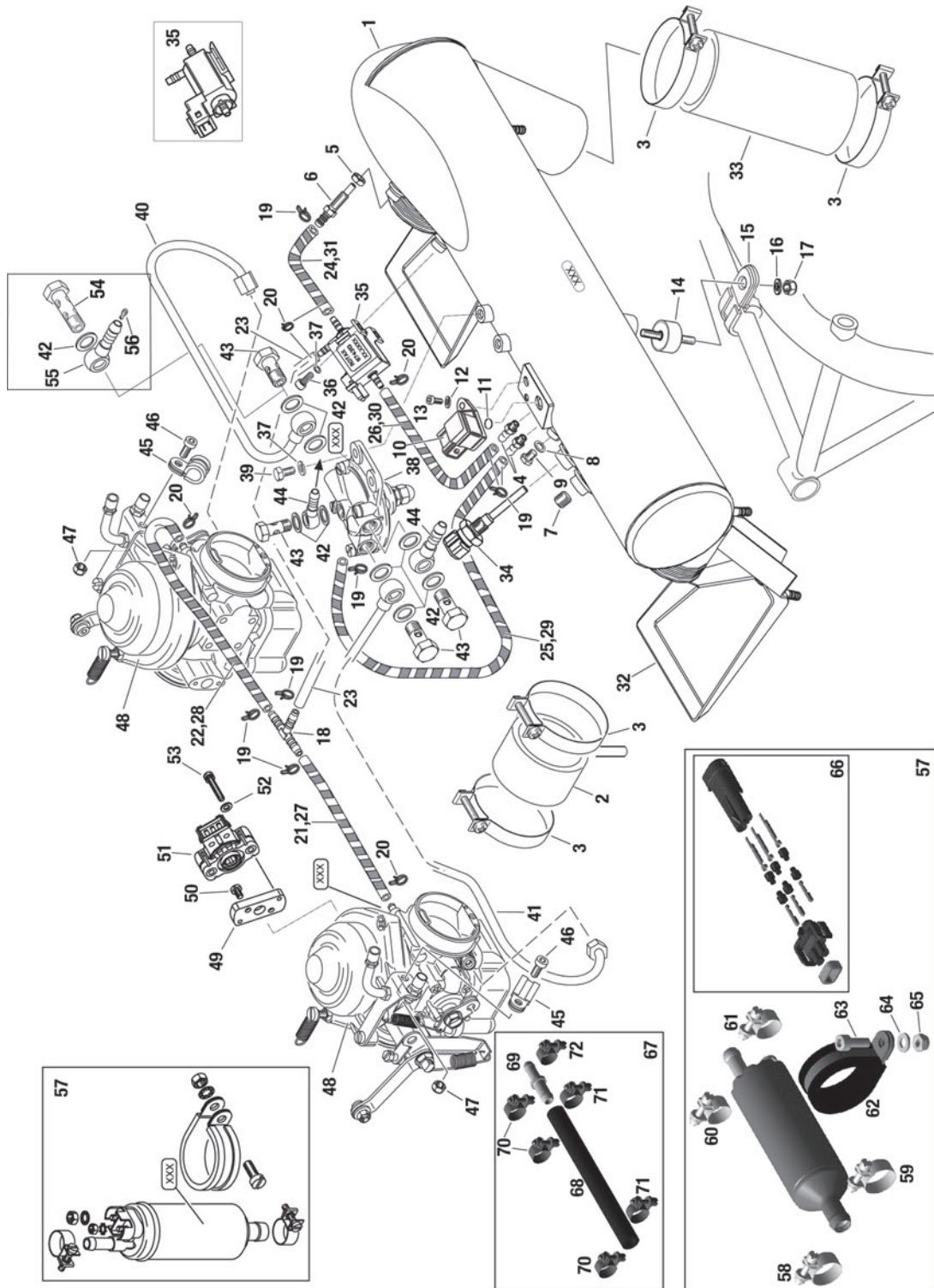
- a Marked with S/N. Inclusive suction- and pressure line;
- b Marked with S/N.
- c With fuel pressure gauge connection; At conversion from 956312 to 956602 remove jet 963820 from banjo bolt.
- d Marked with yellow dot, with orifice;
- e Drip tray for airbox part no. 867758, 667162 and 667167
- f Drip tray for airbox part no. 867758
- g For retrofitting following Service Bulletin has to be noticed  
SB-912-044 current issue
- h Optional with connection flexible fuel lines;
- i See SI 912-020 current issue

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**Fig. 73-10-00-3**

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**Chapter) 73-10-00**  
**AIRBOX ASSY., 3-WAY SOLENOID VALVE ASSY.,**  
**FUEL PRESSURE REGULATOR ASSY.**

| FIG. & ITEM NO. | STATUS | PART NO. | INDENT | Description            | Parts per Engine |       |       |        |         |       |        |
|-----------------|--------|----------|--------|------------------------|------------------|-------|-------|--------|---------|-------|--------|
|                 |        |          |        |                        | 912 A            | 912 F | 912 S | 912 UL | 912 ULS | 914 F | 914 UL |
| 3 1-33          |        | 667574   | .1     | AIRBOX ASSY.           |                  |       |       |        |         | 1a    | 1a     |
| 1               |        | -        | .2     | AIRBOX                 |                  |       |       |        |         | 1     | 1      |
| 2               |        | 860985   | .2     | CONNECTING HOSE 35 MM  |                  |       |       |        |         | 2     | 2      |
| 3               |        | 853595   | .2     | CLAMP 59               |                  |       |       |        |         | 6     | 6      |
| 4               |        | 940551   | .2     | HOSE NIPPLE M6         |                  |       |       |        |         | 2     | 2      |
| 5               |        | 242032   | .2     | HEX NUT BM6            |                  |       |       |        |         | 1     | 1      |
| 6               |        | 940555   | .2     | HOSE NIPPLE M6         |                  |       |       |        |         | 1     | 1      |
| 7               |        | 240481   | .2     | PLUG SCREW 1/8-27NPT   |                  |       |       |        |         | 1     | 1      |
| 8               |        | 230415   | .2     | SEALING RING A 6x10    |                  |       |       |        |         | 1     | 1      |
| 9               |        | 641071   | .2     | HEX. SCREW M6x6-8.8    |                  |       |       |        |         | 1     | 1      |
| 10              |        | xxxxxx   | .2     | See chapt. 76-10-00    |                  |       |       |        |         | 1     | 1      |
| 11              |        | 430205   | .2     | O-RING 6.4x1.8         |                  |       |       |        |         | 1     | 1      |
| 12              |        | 244216   | .2     | WASHER 6.2/14/1        |                  |       |       |        |         | 1     | 1      |
| 13              |        | 840392   | .2     | ALLEN SCREW M6x14      |                  |       |       |        |         | 1     | 1      |
| 13              | S.V.   | 840391   | .2     | ALLEN SCREW M6x14      |                  |       |       |        |         | 1     | 1      |
| 14              |        | 960151   | .2     | RUBBER PUFFER 20x15xM6 |                  |       |       |        |         | 1     | 1      |
| 15              |        | 853010   | .2     | CABLE CLAMP 32/M6      |                  |       |       |        |         | 1     | 1      |
| 16              |        | 927941   | .2     | WASHER 6.0/12/1        |                  |       |       |        |         | 3     | 3      |
| 17              |        | 842041   | .2     | LOCK NUT M6            |                  |       |       |        |         | 1     | 1      |
| 18              |        | 874270   | .2     | T-PEACE 6-6-6          |                  |       |       |        |         | 2     | 2      |
| 19              |        | 851370   | .2     | CLAMP 8                |                  |       |       |        |         | 7     | 7      |
| 20              |        | 951595   | .2     | CLAMP 7.3              |                  |       |       |        |         | 5     | 5      |
| 21-26           |        | 860660   | .2     | HOSE 4x7               |                  |       |       |        |         | AR    | AR     |

- Items not illustrated

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| FIG. & ITEM NO. | STATUS    | PART NO.         | INDENT | Description                       | Parts per Engine |       |       |        |         |       |        |
|-----------------|-----------|------------------|--------|-----------------------------------|------------------|-------|-------|--------|---------|-------|--------|
|                 |           |                  |        |                                   | 912 A            | 912 F | 912 S | 912 UL | 912 ULS | 914 F | 914 UL |
| 21              |           |                  | ...3   | IN A ROLL, VITON HOSE 270 MM      |                  |       |       |        |         | 1     | 1      |
| 22              |           |                  | ...3   | IN A ROLL, VITON HOSE 235 MM      |                  |       |       |        |         | 1     | 1      |
| 23              |           |                  | ...3   | IN A ROLL, VITON HOSE 40 MM       |                  |       |       |        |         | 1     | 1      |
| 24              |           |                  | ...3   | IN A ROLL, VITON HOSE 145 MM      |                  |       |       |        |         | 1     | 1      |
| 25              |           |                  | ...3   | IN A ROLL, VITON HOSE 160 MM      |                  |       |       |        |         | 1     | 1      |
| 26              |           |                  | ...3   | IN A ROLL, VITON HOSE 190 MM      |                  |       |       |        |         | 1     | 1      |
| 27-31           |           | 966060           | .2     | SPIRAL HOSE 6.5x8.5x0.6           |                  |       |       |        |         | AR    | AR     |
| 27              |           |                  | ...3   | IN A ROLL SPIRAL HOSE, 270 MM     |                  |       |       |        |         | 1     | 1      |
| 28              |           |                  | ...3   | IN A ROLL SPIRAL HOSE, 225 MM     |                  |       |       |        |         | 1     | 1      |
| 29              |           |                  | ...3   | IN A ROLL SPIRAL HOSE, 130 MM     |                  |       |       |        |         | 1     | 1      |
| 30              |           |                  | ...3   | IN A ROLL SPIRAL HOSE, 165 MM     |                  |       |       |        |         | 1     | 1      |
| 31              |           |                  | ...3   | IN A ROLL SPIRAL HOSE, 125 MM     |                  |       |       |        |         | 1     | 1      |
| 32              |           | 874680           | .1     | DRIP TRAY SET                     |                  |       |       |        |         | 1     | 1      |
| 33              |           | 860984           | .1     | AIR INTAKE HOSE 250 MM ± 3        |                  |       |       |        |         | 1     | 1      |
| 34              |           | 966435           | .1     | RESISTANCE THERMOMETER            |                  |       |       |        |         | 1     | 1      |
| 35              |           | 874312           | .1     | 3-WAY SOLENOID VALVE ASSY.        |                  |       |       |        |         | 1e    | 1e     |
| 35              |           | 881040           | .1     | 3-WAY SOLENOID VALVE RETROFIT KIT |                  |       |       |        |         | 1e    | 1e     |
| 36              |           | 840392           | .1     | ALLEN SCREW M6x14                 |                  |       |       |        |         | 2     | 2      |
| 37              | N<br>S.v. | 945831<br>945751 | .1     | LOCK WASHER A6                    |                  |       |       |        |         | 4     | 4      |
| 38              |           | 887130           | .1     | FUEL PRESSURE REGULATOR ASSY.     |                  |       |       |        |         | 1     | 1      |
| 39              |           | 241187           | .1     | HEX. SCREW M6x16                  |                  |       |       |        |         | 2     | 2      |
| 40              |           | 874290           | .1     | FUEL HOSE ASSY. 1/3               |                  |       |       |        |         | 1c    | 1c     |
| 41              |           | 874280           | .1     | FUEL HOSE ASSY. 2/4               |                  |       |       |        |         | 1b    | 1b     |
| 42              |           | 230150           | .1     | SEALING RING 10x14                |                  |       |       |        |         | 9     | 9      |

- Items not illustrated

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| FIG. & ITEM NO. | STATUS    | PART NO.         | INDENT | Description                    | Parts per Engine |       |       |        |         |       |        |
|-----------------|-----------|------------------|--------|--------------------------------|------------------|-------|-------|--------|---------|-------|--------|
|                 |           |                  |        |                                | 912 A            | 912 F | 912 S | 912 UL | 912 ULS | 914 F | 914 UL |
| 43              | N<br>S.V. | 241073<br>940874 | .1     | BANJO BOLT M10x1x19            |                  |       |       |        |         | 4     | 4      |
| 44              |           | 956314           | .1     | HOSE NIPPLE 4/6                |                  |       |       |        |         | 2     | 2      |
| 45              |           | 851115           | .1     | CABLE CLAMP 5/M5               |                  |       |       |        |         | 2     | 2      |
| 46              | N<br>S.V. | 241842<br>241841 | .1     | ALLEN SCREW M5x12              |                  |       |       |        |         | 2     | 2      |
| 47              |           | 842030           | .1     | LOCK NUT M5                    |                  |       |       |        |         | 2     | 2      |
| 48              |           | xxxxxx           | .1     | See chapt. 73-00-00 fig. 1     |                  |       |       |        |         | 2     | 2      |
| 49              |           | 861931           | .1     | ADAPTOR                        |                  |       |       |        |         | 1     | 1      |
| 50              |           | 640181           | .1     | SLOTTED HEAD SCREW M4x7        |                  |       |       |        |         | 2d    | 2d     |
| 51              |           | 966482           | .1     | THROTTLE VALVE POSITION SENSOR |                  |       |       |        |         | 1     | 1      |
| 52              |           | 244073           | .1     | WASHER 4.3                     |                  |       |       |        |         | 2d    | 2d     |
| 53              |           | 841030           | .1     | COMBINED SCREW M4x22           |                  |       |       |        |         | 2d    | 2d     |
| 54              | N<br>S.V. | 241072<br>940873 | .1     | BANJO BOLT M10x1x30            |                  |       |       |        |         | (1f)  | (1f)   |
| 55              |           | 956314           | .1     | HOSE NIPPLE 4/6                |                  |       |       |        |         | (1f)  | (1f)   |
| 56              |           | 963143           | .1     | IDLE JET 35                    |                  |       |       |        |         | 1g    | 1g     |
| 57              | N<br>S.V. | 881365<br>996738 | .1     | FUEL PUMP ASSY.                |                  |       |       |        |         | 2h    | 2h     |
| 58              |           | 951826           | .2     | HOSE CLAMP 19x9                |                  |       |       |        |         | 1     | 1      |
| 59              |           | 951828           | .2     | HOSE CLAMP 20x9                |                  |       |       |        |         | 1     | 1      |
| 60              |           | 951822           | .2     | HOSE CLAMP 15x9                |                  |       |       |        |         | 1     | 1      |
| 61              |           | 951824           | .2     | HOSE CLAMP 16x9                |                  |       |       |        |         | 1     | 1      |
| 62              |           | 853482           | .2     | CLAMP 37x15                    |                  |       |       |        |         | 1     | 1      |
| 63              |           | 241237           | .2     | ALLEN SCREW M6x16              |                  |       |       |        |         | 1     | 1      |
| 64              |           | 827962           | .2     | WASHER A6                      |                  |       |       |        |         | 1     | 1      |
| 65              |           | 842042           | .2     | LOCK NUT M6                    |                  |       |       |        |         | 1     | 1      |
| 66              |           | 881304           | .2     | CONNECTOR SET FUEL PUMP        |                  |       |       |        |         | 1     | 1      |

- Items not illustrated

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| FIG. & ITEM NO. | STATUS | PART NO. | INDENT | Description                  | Parts per Engine |       |       |        |         |       |        |
|-----------------|--------|----------|--------|------------------------------|------------------|-------|-------|--------|---------|-------|--------|
|                 |        |          |        |                              | 912 A            | 912 F | 912 S | 912 UL | 912 ULS | 914 F | 914 UL |
| 67-72           |        | 881367   | .1     | FUEL PUMP HOSE REDUCTION SET |                  |       |       |        |         | 2h    | 2h     |
| 68              |        | 974080   | .2     | FUEL HOSE 9.3X3X150          |                  |       |       |        |         | 1     | 1      |
| 69              |        | 874375   | .2     | REDUCTION NIPPLE 9.8/8.5     |                  |       |       |        |         | 1     | 1      |
| 70              |        | 951822   | .2     | HOSE CLAMP 15x9              |                  |       |       |        |         | 3     | 3      |
| 71              |        | 951824   | .2     | HOSE CLAMP 16x9              |                  |       |       |        |         | 2     | 2      |
| 72              |        | 951821   | .2     | HOSE CLAMP 14x9              |                  |       |       |        |         | 1     | 1      |

- Items not illustrated

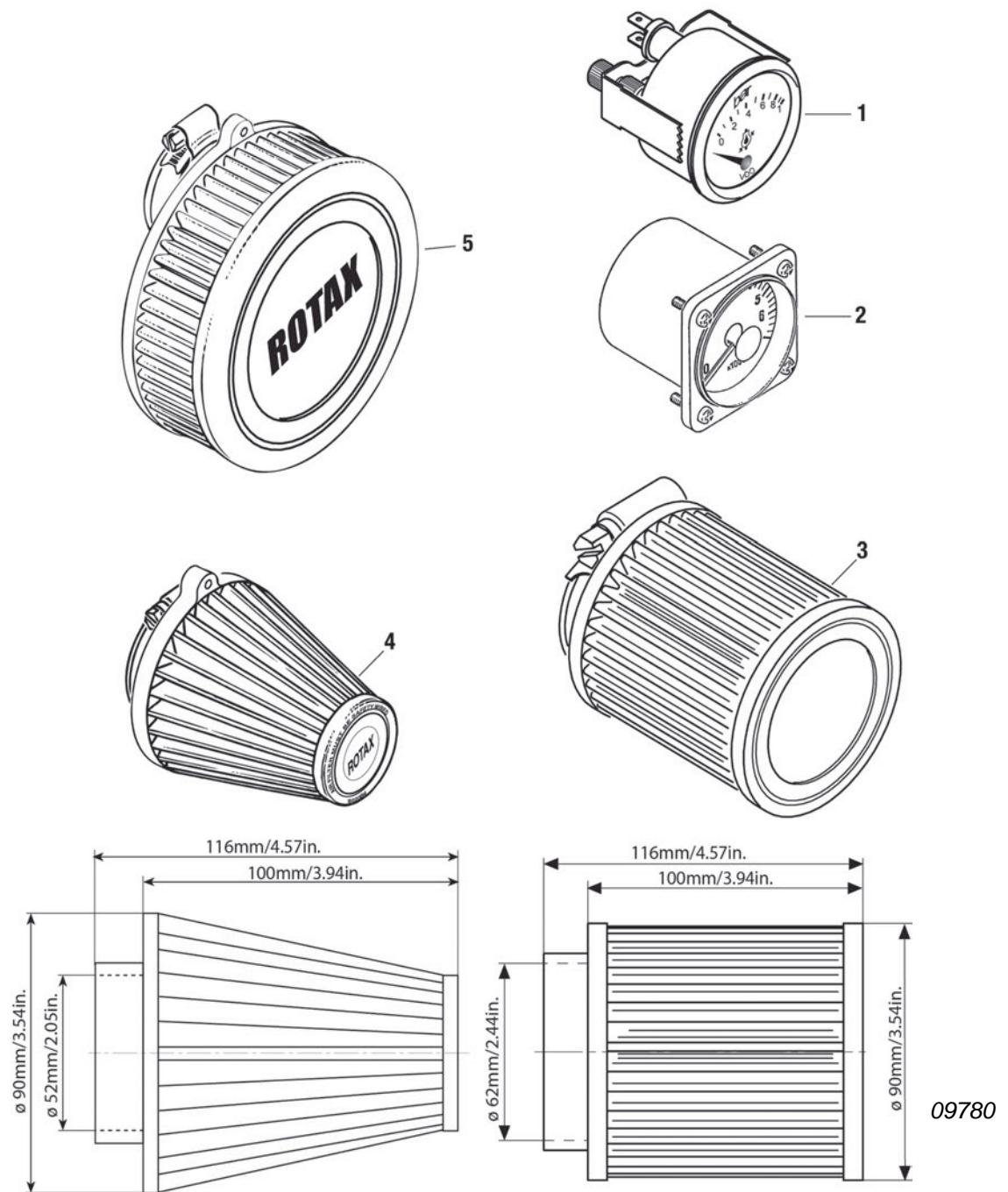
- a Marked with S/N.
- b For cylinder 2/4
- c For cylinder 1/3
- d Also included in carburetor for 914 Cyl. 2/4.
- e See Service Instruction SI-914-022 current issue
- f Optional for fuel pressure gauge connection
- g Press into part at pos. 55.
- h See Service Instruction SI-914-035

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NOT CERTIFIED PARTS**



**Fig. 73-10-00-4**

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**Chapter) 73-10-00**  
**INSTRUMENTS, AIR FILTER**

| FIG. & ITEM NO. | STATUS | PART NO. | INDENT | Description                              | Parts per Engine |       |       |        |         |       |        |
|-----------------|--------|----------|--------|--|------------------|-------|-------|--------|---------|-------|--------|
|                 |        |          |        |  | 912 A            | 912 F | 912 S | 912 UL | 912 ULS | 914 F | 914 UL |
| 4 1             |        | 956520   | .1     | PRESSURE GAUGE (0-146 psi)<br>(0-10 bar) | (1)a             | (1)a  | (1)a  | (1)a   | (1)a    | (1)a  | (1)a   |
| 2               |        | 966408   | .1     | REV COUNTER 0-7000 1/MIN                 | (1)b             | (1)b  | (1)b  | (1)b   | (1)b    | (1)b  | (1)b   |
| 3               |        | 825750   | .1     | AIR FILTER                               |                  |       |       |        |         | (1)   | (1)    |
| 4               |        | 825551   | .1     | AIR FILTER                               | (2)              | (2)   | (2)   | (2)    | (2)     |       |        |
| 5               |        | 825711   | .1     | AIR FILTER                               | (2)c             | (2)c  | (2)c  | (2)c   | (2)c    |       |        |

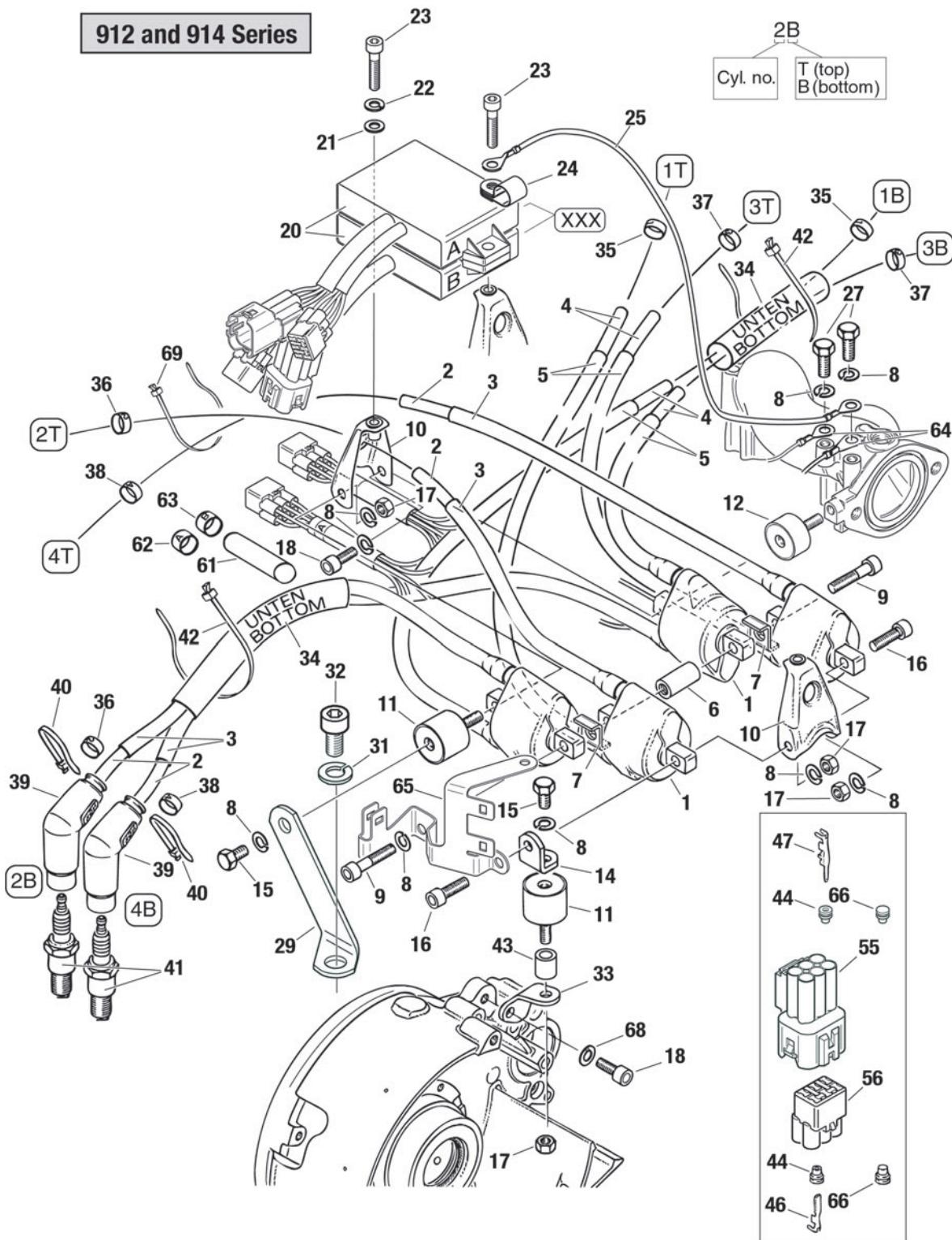
- Items not illustrated

- a For oil pressure; for old VDO sensor, not usable with part no. 456180
- b For engine speed;
- c Following Service Instruction has to be noticed  
SI-912-017 current issue

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Bild/fig. 74-20-00-1

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**Chapter) 74-20-00**

**DOUBLE IGNITION COIL ASSY., SMD- ELECTRONIC MODULE**

| FIG. & ITEM NO. | STATUS | PART NO.         | INDENT | Description                 | Parts per Engine |       |       |        |         |       |        |
|-----------------|--------|------------------|--------|-----------------------------|------------------|-------|-------|--------|---------|-------|--------|
|                 |        |                  |        |                             | 912 A            | 912 F | 912 S | 912 UL | 912 ULS | 914 F | 914 UL |
| 1 1-5           |        | 966218           | .1     | DOUBLE IGNITION COIL ASSY.  | 4                | 4     | 4     | 4      | 4       | 4     | 4      |
| 2 N<br>s.v.     |        | 865711<br>865710 | .2     | IGNITION CABLE 7 MM         | ARa              | ARa   | ARa   | ARa    | ARa     | ARa   | ARa    |
| 3 N<br>s.v.     |        | 860991<br>860990 | .2     | PROTECTION HOSE 8x1         | ARb              | ARb   | ARb   | ARb    | ARb     | ARb   | ARb    |
| 4 N<br>s.v.     |        | 865711<br>865710 | .2     | IGNITION CABLE 7 MM         | ARa              | ARa   | ARa   | ARa    | ARa     | ARa   | ARa    |
| 5 N<br>s.v.     |        | 860991<br>860990 | .2     | PROTECTION HOSE 8x1         | ARb              | ARb   | ARb   | ARb    | ARb     | ARb   | ARb    |
| 6               |        | 842742           | .1     | DISTANCE NUT M6x22.5        | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 7               |        | 953390           | .1     | SEPARATING PLATE            | 2                | 2     | 2     | 2      | 2       | 2     | 2      |
| 8 N<br>s.v.     |        | 945831<br>945751 | .1     | LOCK WASHER A6              | 9                | 9     | 9     | 9      | 9       | 9     | 9      |
| 9               |        | 840883           | .1     | ALLEN SCREW M6x30           | 2                | 2     | 2     | 2      | 2       | 2     | 2      |
| 10              |        | 953127           | .1     | IGNITION COIL BRACKET ASSY. | 2                | 2     | 2     | 2      | 2       | 2     | 2      |
| 11              |        | 860710           | .1     | RUBBER BUFFER 25x20xM6      | 2                | 2     | 2     | 2      | 2       | 2     | 2      |
| 12              |        | 960060           | .1     | RUBBER BUFFER 25x15xM6      | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 14              |        | 851260           | .1     | IGNITION COIL BRACKET 1     | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 15 s.v.         |        | 240772<br>240771 | .1     | HEX. SCREW M6x10            | 2                | 2     | 2     | 2      | 2       | 2     | 2      |
| 16 N<br>n.a.    |        | 241935<br>241930 | .1     | ALLEN SCREW M6x20           | 2                | 2     | 2     | 2      | 2       | 2     | 2      |
| 17 N<br>s.v.    |        | 242214<br>242211 | .1     | HEX. NUT M6                 | 4                | 4     | 4     | 4      | 4       | 4     | 4      |
| 18 N<br>n.a.    |        | 241237<br>241236 | .1     | ALLEN SCREW M6x16           | 3                | 3     | 3     | 3      | 3       | 3     | 3      |

- Items not illustrated

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| FIG. & ITEM NO. | STATUS    | PART NO.         | INDENT | Description                                  | Parts per Engine |       |       |        |         |       |        |
|-----------------|-----------|------------------|--------|--|------------------|-------|-------|--------|---------|-------|--------|
|                 |           |                  |        |  | 912 A            | 912 F | 912 S | 912 UL | 912 ULS | 914 F | 914 UL |
| 20              | n.a.<br>N | 966728<br>965442 | .1     | SMD-ELECTRONIC MODULE<br>(6p+6p+single con.) |                  |       |       |        |         | 2d    | 2d     |
| 20              | n.a.<br>N | 966729<br>965444 | .1     | SMD-ELECTRONIC MODULE<br>(6p+6p+single con.) | 2e               | 2e    | 2e    | 2e     | 2e      |       |        |
| 21              | N<br>s.v. | 827801<br>827800 | .1     | WASHER A 5.5                                 | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 22              | N         | 945830           | .1     | LOCK WASHER A5                               | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 22              | s.v.      | 945750           | .1     | LOCK WASHER A5                               | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 23              | N         | 240187           | .1     | ALLEN SCREW M5x25                            | 2                | 2     | 2     | 2      | 2       | 2     | 2      |
| 24              |           | 851118           | .1     | CABLE CLAMP 11.3/M5                          | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 25              |           | 965788           | .1     | MASS CABLE ASSY.                             | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 26              |           | 965781           | .1     | MASS CABLE ASSY.                             | 2                | 2     |       | 2      |         | 2     | 2      |
| 27              | N         | 241187           | .1     | HEX. SCREW M6x16                             | 1                | 1     | 2     | 1      | 2       | 1     | 1      |
| 27              | n.a.      | 241186           | .1     | HEX. SCREW M6x16                             | 1                | 1     | 2     | 1      | 2       | 1     | 1      |
| 29              |           | 851481           | .1     | BRACKET                                      | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 31              | N<br>s.v. | 945832<br>945752 | .1     | LOCK WASHER A8                               | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 32              | N<br>s.v. | 440192<br>440191 | .1     | ALLEN SCREW M8x16                            | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 33              |           | 851267           | .1     | BRACKET                                      | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 34              |           | 860734           | .1     | GLASS FIBER-SILICON SHEATING 120             | 2                | 2     | 2     | 2      | 2       | 2     | 2      |
| 35              |           | 860741           | .1     | MARKING SLEEVE 1                             | 2                | 2     | 2     | 2      | 2       | 2     | 2      |
| 36              |           | 860742           | .1     | MARKING SLEEVE 2                             | 2                | 2     | 2     | 2      | 2       | 2     | 2      |
| 37              |           | 860743           | .1     | MARKING SLEEVE 3                             | 2                | 2     | 2     | 2      | 2       | 2     | 2      |
| 38              |           | 860744           | .1     | MARKING SLEEVE 4                             | 2                | 2     | 2     | 2      | 2       | 2     | 2      |

- Items not illustrated

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| FIG. & ITEM NO. | STATUS    | PART NO. | INDENT | Description                 | Parts per Engine |       |       |        |         |       |        |
|-----------------|-----------|----------|--------|-----------------------------|------------------|-------|-------|--------|---------|-------|--------|
|                 |           |          |        |                             | 912 A            | 912 F | 912 S | 912 UL | 912 ULS | 914 F | 914 UL |
| 39              | S.V.      | 265249   | .1     | SPARK PLUG SOCKET           | 8                | 8     | 8     | 8      | 8       | 8     | 8      |
|                 |           | 265248   |        |                             |                  |       |       |        |         |       |        |
| 40              |           | 866710   | .1     | CLAMP 142x2.5 MM            | 8                | 8     | 8     | 8      | 8       | 8     | 8      |
| 41              | n.a.      | 897255   | .1     | SPARK PLUG 12 MM            | 8                | 8     |       | 8      |         |       |        |
| 41              | n.a.      | 297940   | .1     | SPARK PLUG 12 MM            |                  |       | 8     |        | 8       |       |        |
| 41              | n.a.      | 881330   | .1     | SPARK PLUG 12 MM            |                  |       |       |        |         | 8     | 8      |
| 41              |           | 297656   | .1     | SPARK PLUG 12 MM            | 8                | 8     | 8     | 8      | 8       | 8     | 8      |
| 42              |           | 251920   | .1     | CLAMP 279x3.6 MM            | 2                | 2     | 2     | 2      | 2       | 2     | 2      |
| 43              |           | 847701   | .1     | SPACER 6.5/10/11            | (1)c             | (1)c  | (1)c  | (1)c   | (1)c    | 1     | 1      |
| 44              |           | 260130   | .1     | CABLE GROMMET               | AR               | AR    | AR    | AR     | AR      | AR    | AR     |
| 46              |           | 265275   | .1     | FASTON CONNECTOR            | AR               | AR    | AR    | AR     | AR      | AR    | AR     |
| 47              |           | 265210   | .1     | FLAT PIN TERMINAL           | AR               | AR    | AR    | AR     | AR      | AR    | AR     |
| 55              |           | 265269   | .1     | CONNECTOR HOUSING 6-POLE    | AR               | AR    | AR    | AR     | AR      | AR    | AR     |
| 56              |           | 265265   | .1     | CONNECTOR HOUSING 6-POLE    | AR               | AR    | AR    | AR     | AR      | AR    | AR     |
| 61              | n.a       | -        | .1     | PROTECTION HOSE 60 MM       | 2                | 2     | 2     | 2      | 2       | 2     | 2      |
| 62              |           | 960010   | .1     | SHRINKABLE HOSE IMPRINTED A | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 63              |           | 960015   | .1     | SHRINKABLE HOSE IMPRINTED B | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 64              |           | 965782   | .1     | MASS CABLE ASSY.            | 2                | 2     | 2     | 2      | 2       | 2     | 2      |
| 64              |           | 965784   | .1     | MASS CABLE ASSY.            | 2d               | 2d    | 2d    | 2d     | 2d      | 2d    | 2d     |
| 65              |           | 853125   | .1     | CONNECTOR BRACKET           | 1d               | 1d    | 1d    | 1d     | 1d      | 1d    | 1d     |
| 66              |           | 260135   | .1     | DUMMY PLUG                  | 1d               | 1d    | 1d    | 1d     | 1d      | 1d    | 1d     |
| 67              |           | 881280   | .1     | SOFT START SET              | 1f               | 1f    | 1f    | 1f     | 1f      | 1f    | 1f     |
| 68              | N<br>S.V. | 827962   | .1     | WASHER 6.4                  | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
|                 |           | 827961   |        |                             |                  |       |       |        |         |       |        |
| 69              |           | 866714   | .1     | TIE WRAP 142x3,2 MM         | 2                | 2     | 2     | 2      | 2       | 2     | 2      |

- Items not illustrated

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| FIG. & ITEM NO. | STATUS | PART NO.         | INDENT | Description                   | Parts per Engine |       |       |        |         |       |        |
|-----------------|--------|------------------|--------|-------------------------------|------------------|-------|-------|--------|---------|-------|--------|
|                 |        |                  |        |                               | 912 A            | 912 F | 912 S | 912 UL | 912 ULS | 914 F | 914 UL |
| - N s.v.        |        | 964081<br>964090 | .1     | EASY START UNLOCK CABLE ASSY. | 1                | 1     | 1     | 1      | 1       |       |        |

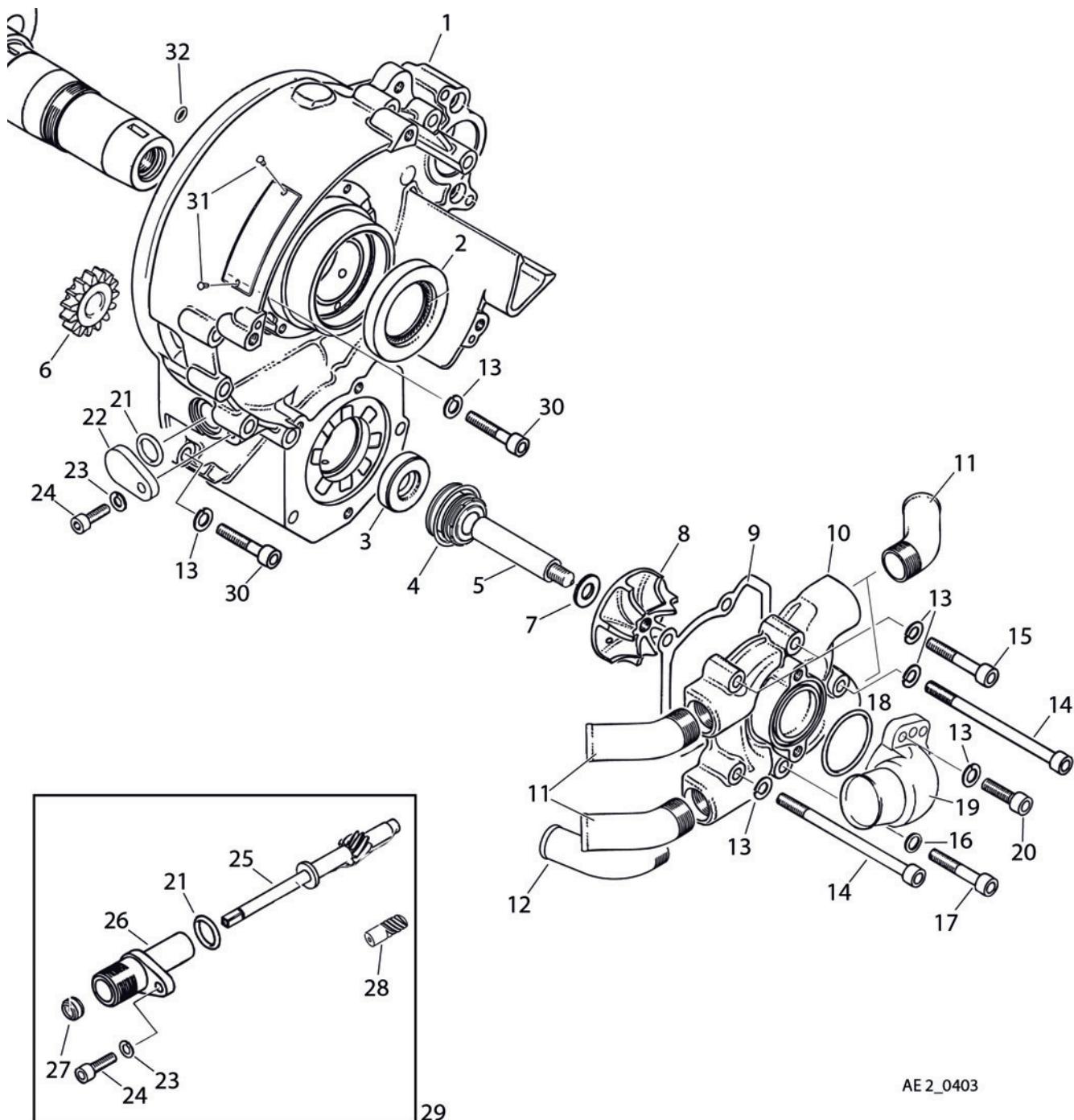
- Items not illustrated

- a In a roll, Ignition cable 4.5 m;
- b In a roll, Protection hose 4.1 m
- c Necessary at version with ring mount
- d SI-912-013 / SI-914-016 current issue  
See Maintenance Manual Heavy of the respective engine type, current issue.
- e SI-912-020 / SI-914-022 current issue  
See Maintenance Manual Heavy of the respective engine type, current issue.
- f Consisting of 20, 21, 22, 23, 44, 46

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**Fig. 75-20-00-1**

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**Chapter) 75-20-00**  
**WATER PUMP WITH DRIVE**

| FIG. &<br>ITEM NO. | STATUS | PART<br>NO. | INDENT | Description                 | Parts per Engine |       |       |        |         |       |        |
|--------------------|--------|-------------|--------|-----------------------------|------------------|-------|-------|--------|---------|-------|--------|
|                    |        |             |        |                             | 912 A            | 912 F | 912 S | 912 UL | 912 ULS | 914 F | 914 UL |
| 1 1                |        | 612047      | .1     | IGNITION HOUSING ASSY.      | 1c               | 1c    | 1c    | 1c     | 1c      | 1c    | 1c     |
| 1                  |        | 612046      |        | IGNITION HOUSING ASSY.      | 1e               | 1e    | 1e    | 1e     | 1e      | 1e    | 1e     |
| 2                  |        | 850965      | .1     | OIL SEAL 32x52x7            | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 3 N                | S.V.   | 850978      | .1     | OIL SEAL A 12x30x7 FPM      | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
|                    |        | 850977      |        |                             |                  |       |       |        |         |       |        |
| 4                  |        | 850946      | .1     | ROTARY SEAL                 | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 5                  |        | 837111      | .1     | PUMP SHAFT                  | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 6                  |        | 834135      | .1     | WATER PUMP GEAR 15 T        | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 7                  |        | 926274      | .1     | WASHER 8.2/12.5/1.5         | 1a               | 1a    | 1a    | 1a     | 1a      | 1a    | 1a     |
| 8                  |        | 922224      | .1     | IMPELLER                    | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 9                  |        | 850981      | .1     | GASKET                      | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 10                 |        | 922202      | .1     | WATER PUMP HOUSING          | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 11 N               | S.V.   | 922238      | .1     | BENT SOCKET                 | 3                | 3     | 3     | 3      | 3       | 3     | 3      |
|                    |        | 922233      |        | 45 DEGREES                  |                  |       |       |        |         |       |        |
| 12 N               | S.V.   | 922236      | .1     | BENT SOCKET                 | 1b               | 1b    | 1b    | 1b     | 1b      | 1b    | 1b     |
|                    |        | 922231      |        | 80 DEGREES                  |                  |       |       |        |         |       |        |
| 13 N               |        | 827962      | .1     | WASHER A6.4                 | 13               | 13    | 13    | 13     | 13      | 13    | 13     |
| 14 N               | n.a.   | 241482      | .1     | ALLEN SCREW M6x90           | 2                | 2     | 2     | 2      | 2       | 2     | 2      |
|                    |        | 241481      |        |                             |                  |       |       |        |         |       |        |
| 15 N               | n.a.   | 241814      | .1     | ALLEN SCREW M6x35           | 2                | 2     | 2     | 2      | 2       | 2     | 2      |
|                    |        | 241811      |        |                             |                  |       |       |        |         |       |        |
| 16                 |        | 230415      | .1     | GASKET RING A6x10           | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 17                 |        | 241813      | .1     | ALLEN SCREW M6x35 STAINLESS | 1a               | 1a    | 1a    | 1a     | 1a      | 1a    | 1a     |
| 18                 |        | 230020      | .1     | O-RING 32x2                 | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 19                 |        | 922218      | .1     | WATER INLET ELBOW           | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 20 N               |        | 241935      | .1     | ALLEN SCREW M6x20           | 2                | 2     | 2     | 2      | 2       | 2     | 2      |

- Items not illustrated

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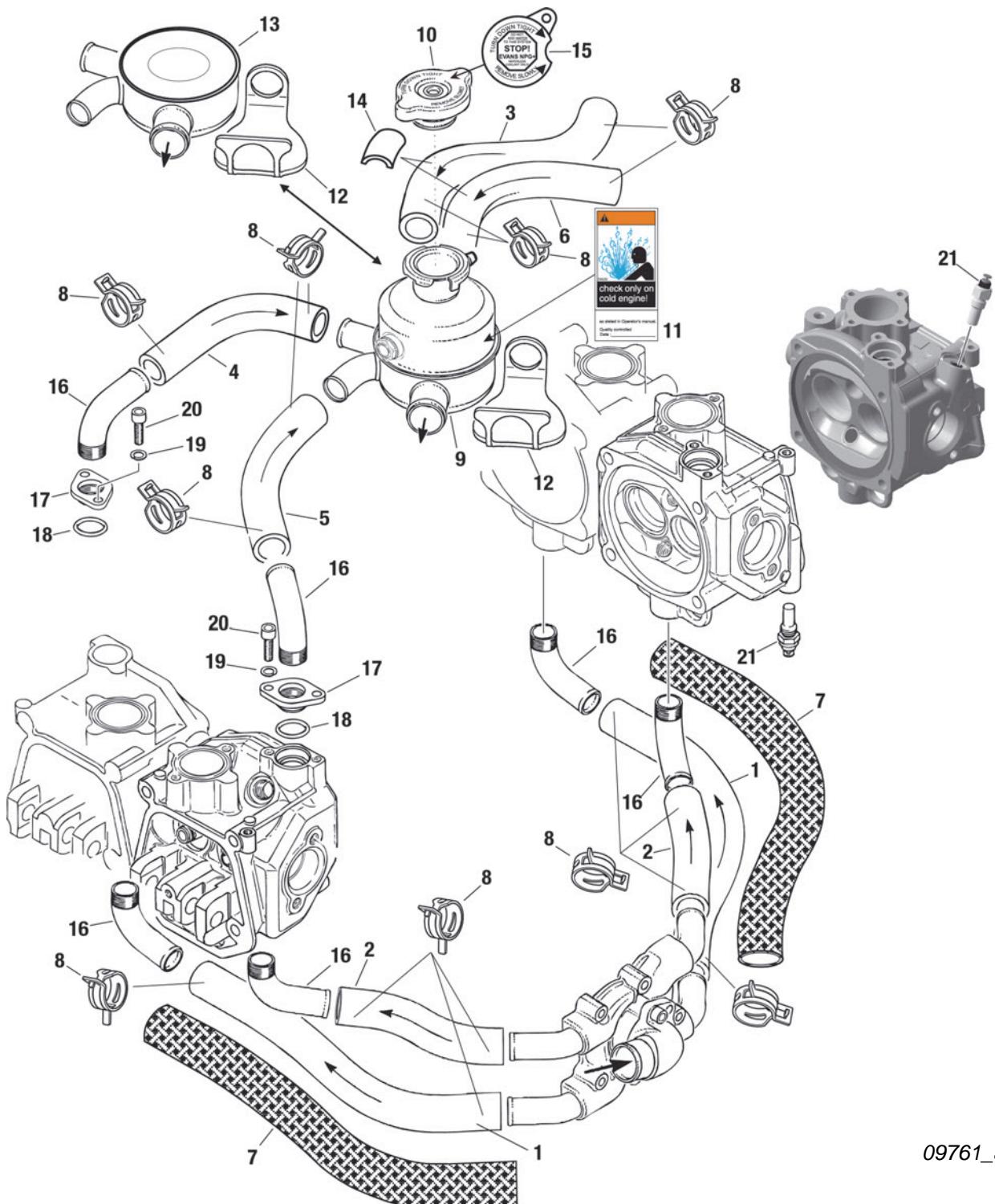
| FIG. & ITEM NO.   | STATUS    | PART NO.         | INDENT | Description                             | Parts per Engine |       |       |        |         |       |        |
|-------------------|-----------|------------------|--------|---|------------------|-------|-------|--------|---------|-------|--------|
|                   |           |                  |        |   | 912 A            | 912 F | 912 S | 912 UL | 912 ULS | 914 F | 914 UL |
| 20                | S.V.      | 241930           | .1     | ALLEN SCREW M6x20                       | 2                | 2     | 2     | 2      | 2       | 2     | 2      |
| 21                |           | 230880           | .1     | O-RING 13.3-2.4                         | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 22                |           | 810620           | .1     | COVER PLATE                             | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 23                | N<br>S.V. | 927574<br>945830 | .1     | WASHER 5.3                              | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 24                | N<br>n.a. | 840514<br>840511 | .1     | ALLEN SCREW M5x16                       | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 25                |           | 837150           | .1     | REV COUNTER SHAFT                       | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 26                |           | 912191           | .1     | REV COUNTER HOUSING                     | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 27                |           | 930500           | .1     | OIL SEAL 6x11x3/4.5                     | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 28                |           | 834182           | .1     | WORM GEAR 5 T.                          | 1d               | 1d    | 1d    | 1d     | 1d      | 1d    | 1d     |
| 29+1-8,<br>13, 30 |           | 881692           | .1     | MECH. REV COUNTER<br>DRIVE RETROFIT KIT | (1d)             | (1d)  | (1d)  | (1d)   | (1d)    | (1d)  | (1d)   |
| 30                | N<br>S.V. | 840888<br>840880 | .1     | ALLEN SCREW M6x30                       | 7                | 7     | 7     | 7      | 7       | 7     | 7      |
| 31                |           | 249071           | .1     | GROOVED PIN                             | 2                | 2     | 2     | 2      | 2       | 2     | 2      |

- Items not illustrated

- a) Stainless
- b) Optional for engine suspension frame
- c) For mech. rev counter drive without centering bore for pick up.  
For engines without mech. rev. counter drive part no. 230880, 810620, 927574 and part no. 840514 has to be mounted additional.
- d) See Maintenance Manual Heavy of the respective engine type, current issue.
- e) Without machining for mech. rev counter drive

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**Fig. 75-20-00-2**

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**Chapter) 75-20-00**  
**EXPANSION TANK WITH HOSES AND CONNECTIONS**

| FIG. & ITEM NO. | STATUS | PART NO.         | INDENT | Description                                | Parts per Engine |       |       |        |         |       |        |
|-----------------|--------|------------------|--------|--|------------------|-------|-------|--------|---------|-------|--------|
|                 |        |                  |        |  | 912 A            | 912 F | 912 S | 912 UL | 912 ULS | 914 F | 914 UL |
| 2 1-5           |        | 922250           | .1     | WATER TUBE                                 | ARh              | ARh   | ARh   | ARh    | ARh     | ARh   | ARh    |
| 1               |        | 922362           | .2     | WATER TUBE 280 MM                          | 2a               | 2a    | 2a    | 2a     | 2a      | 2a    | 2a     |
| 2               |        | 922360           | .2     | WATER TUBE 180 MM                          | 2b               | 2b    | 2b    | 2b     | 2b      | 2b    | 2b     |
| 3               |        | 922361           | .2     | WATER TUBE 285 MM                          | 1c               | 1c    | 1c    | 1c     | 1c      | 1c    | 1c     |
| 4               |        | 922363           | .2     | WATER TUBE 200 MM                          | 1f               | 1f    | 1f    | 1f     | 1f      | 1f    | 1f     |
| 5               |        | 922364           | .2     | WATER TUBE 85 MM                           | 1g               | 1g    | 1g    | 1g     | 1g      | 1g    | 1g     |
| 6               |        | 922192           | .1     | FORM HOSE 90                               | 1e               | 1e    | 1e    | 1e     | 1e      | 1e    | 1e     |
| 7               |        | 860650           | .1     | PROTECTION TUBE (HEAT RESISTANT)           |                  |       |       |        |         | ARh   | ARh    |
| 8               |        | 851645           | .1     | SELF COMPENSATING CLAMP 25                 | 16j              | 16j   | 16j   | 16j    | 16j     | 16j   | 16j    |
| 9-12            |        | 922666           | .1     | EXPANSION TANK ASSY.                       | 1j               | 1j    | 1j    | 1j     | 1j      | 1j    | 1j     |
| 10 N<br>n.a.    |        | 922072<br>922070 | .2     | RADIATOR CAP WITH GAS-KET 1.2 BAR          | 1j               | 1j    | 1j    | 1j     | 1j      | 1j    | 1j     |
| 11              |        | 897506           | .2     | WARNING LABEL                              | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 12 N<br>s.v.    |        | 860829<br>860826 | .2     | RUBBER PLATE                               | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 13 N<br>n.a.    |        | 922265<br>922263 | .1     | WATER DISTRIBUTOR AS-<br>SY.               | (1i)             | (1i)  | (1i)  | (1i)   | (1i)    | (1i)  | (1i)   |
| 14              |        | 922543           | .1     | SCHUTZSCHLAUCH 30 MM PROTECTION HOSE 30 MM | 1d               | 1d    | 1d    | 1d     | 1d      | 1d    | 1d     |
| 15              |        | 898490           | .1     | WARNING LABEL EVANS COOLANT                | AR               | AR    | AR    | AR     | AR      | AR    | AR     |
| 16 N<br>s.v.    |        | 922236<br>922231 | .1     | BENT SOCKET 80 DEGREES                     | 8                | 8     | 8     | 8      | 8       | 8     | 8      |
| 16 N<br>s.v.    |        | 922238<br>922233 | .1     | BENT SOCKET 45 DEGREES                     | (8)              | (8)   | (8)   | (8)    | (8)     | (8)   | (8)    |

- Items not illustrated

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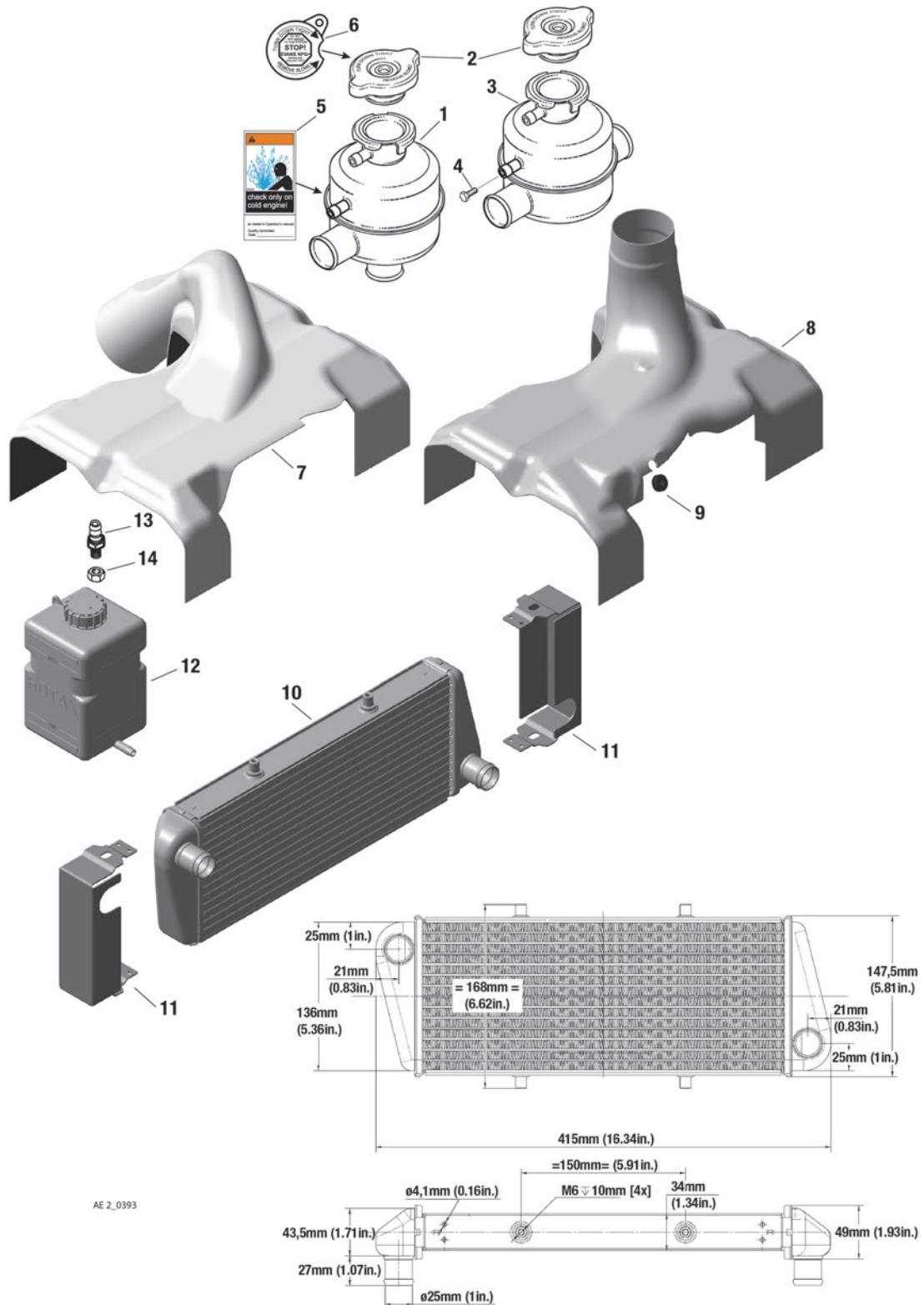
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| FIG. & ITEM NO. | STATUS    | PART NO.         | INDENT | Description        | Parts per Engine |       |       |        |         |       |        |
|-----------------|-----------|------------------|--------|--------------------|------------------|-------|-------|--------|---------|-------|--------|
|                 |           |                  |        |                    | 912 A            | 912 F | 912 S | 912 UL | 912 ULS | 914 F | 914 UL |
| 17              |           | 922303           | .1     | FLANGE             | 4                | 4     | 4     | 4      | 4       | 4     | 4      |
| 18              |           | 950180           | .1     | O-RING 19x2        | 4                | 4     | 4     | 4      | 4       | 4     | 4      |
| 19              | N<br>s.v. | 827962<br>827961 | .1     | WASHER A6.4        | 8                | 8     | 8     | 8      | 8       | 8     | 8      |
| 19              | N<br>s.v. | 945831<br>945751 | .1     | LOCK WASHER A6     | 8                | 8     | 8     | 8      | 8       | 8     | 8      |
| 20              | N<br>s.v. | 241935<br>241930 | .1     | ALLEN SCREW M6x20  | 8                | 8     | 8     | 8      | 8       | 8     | 8      |
| 21              |           | 965531           | .1     | TEMPERATURE SENSOR | 2j               | 2j    | 2j    | 2j     | 2j      | 2j    | 2j     |

- Items not illustrated

- a Supply to cylinder 1 and 2
- b Supply to cylinder 3 and 4
- c Discharge Cylinder 1
- d As scrub-protector for version 3
- e Discharge Cylinder 3
- f Discharge Cylinder 2
- g Discharge Cylinder 4
- h In a roll, not with Form 1
- i Water distributor instead expansion tank for radiator installation above engine;
- j See SI-912-020 + SI-914-022 current issue

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**Fig. 75-20-00-3**

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**Chapter) 75-20-00**

**COOLING AIR BAFFLE, OVERFLOW BOTTLE WITH CAP, RADIATOR**

| FIG. & ITEM NO. | STATUS      | PART NO.         | INDENT | Description                        | Parts per Engine |       |       |        |         |       |        |
|-----------------|-------------|------------------|--------|------------------------------------|------------------|-------|-------|--------|---------|-------|--------|
|                 |             |                  |        |                                    | 912 A            | 912 F | 912 S | 912 UL | 912 ULS | 914 F | 914 UL |
| 3               | 1-2<br>n.a. | 622052<br>922313 | .1     | EXPANSION TANK ASSY.<br>90 DEGREE  | (1)              | (1)   | (1)   | (1)    | (1)     | (1)   | (1)    |
|                 | 2-3<br>n.a. | 622053<br>922318 | .1     | EXPANSION TANK ASSY.<br>180 DEGREE | (1)              | (1)   | (1)   | (1)    | (1)     | (1)   | (1)    |
|                 | 2           | 922072           | .2     | RADIATOR CAP WITH GAS-KET 1.2 BAR  | 1b               | 1b    | 1b    | 1b     | 1b      | 1b    | 1b     |
|                 | 4           | 641071           | .1     | HEX. SCREW ISO M6x6                | AR               | AR    | AR    | AR     | AR      | AR    | AR     |
|                 | 5           | 897506           | .1     | WARNING LABEL                      | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
|                 | 6           | 898490           | .1     | WARNING LABEL EVANS COOLANT        | (NB)             | (NB)  | (NB)  | (NB)   | (NB)    | (NB)  | (NB)   |
|                 | 7<br>s.v.   | 975793<br>975795 | .1     | COOLING AIR BAFFLE                 | (1)a             | (1)a  | (1)a  | (1)a   | (1)a    | (1)a  | (1)a   |
|                 | 7<br>s.v.   | 975794<br>975799 | .1     | COOLING AIR BAFFLE                 | (1)i             | (1)i  | (1)i  | (1)i   | (1)i    | (1)i  | (1)i   |
|                 | 8-9         | 975792           | .1     | COOLING AIR BAFFLE                 | (1)g             | (1)g  | (1)g  | (1)g   | (1)g    | (1)g  | (1)g   |
|                 | 8-9         | 975798           | .1     | COOLING AIR BAFFLE                 | (1)h             | (1)h  | (1)h  | (1)h   | (1)h    | (1)h  | (1)h   |
|                 | 9           | 975799           | .2     | RUBBER GROMMET                     | (1)              | (1)   | (1)   | (1)    | (1)     | (1)   | (1)    |
|                 | 10<br>n.a.  | 997084<br>997083 | .1     | RADIATOR - ADVANCED 13 fins        | (1)e             | (1)e  | (1)e  | (1)e   | (1)e    | (1)e  | (1)e   |
|                 | 11          | 881530           | .1     | RADIATOR RETROFIT KIT              | 1f               | 1f    | 1f    | 1f     | 1f      | 1f    | 1f     |
|                 | 12          | 922327           | .1     | OVERFLOW BOTTLE WITH CAP           | (1)c             | (1)c  | (1)c  | (1)c   | (1)c    | (1)c  | (1)c   |
|                 | 13          | 940557           | .1     | HOSE NIPPLE M6                     | 1c               | 1c    | 1c    | 1c     | 1c      | 1c    | 1c     |
|                 | 14          | 242213           | .1     | HEX. NUT M6                        | 1c               | 1c    | 1c    | 1c     | 1c      | 1c    | 1c     |

- Items not illustrated

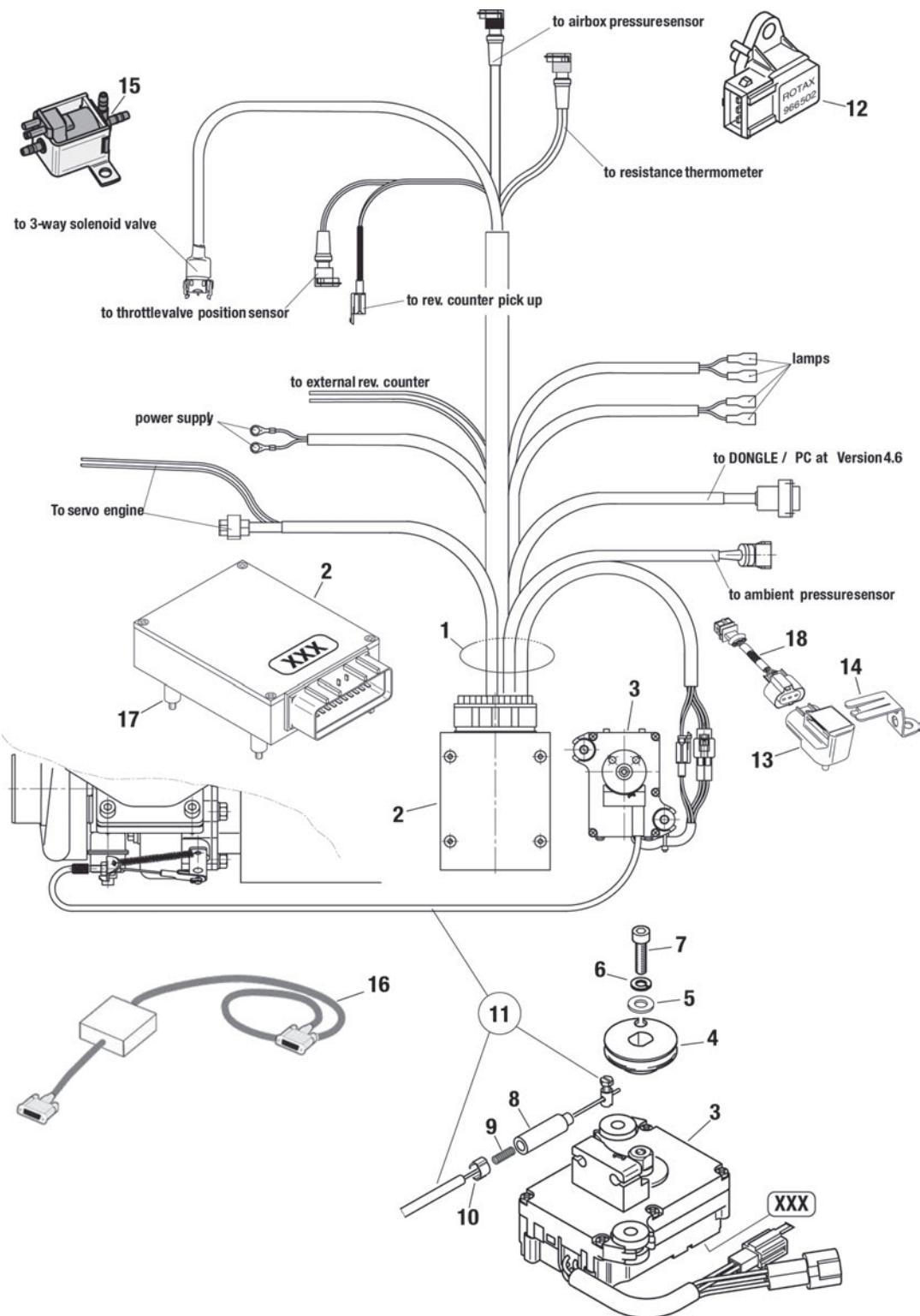
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- a Short version; marked with S/N; tractor, white
- b See Service Instruction SI-912-020 / SI-914-022 current issue
- c See Service Bulletin SB-912-039 / SB-914-029 current issue
- d See Service Bulletin SB-912-043 / SB-914-029 current issue
- e See Service Instruction PAC-010.
- f Use together with part no. 997083  
For retrofitting instead of radiator part no. 997082
- g Cooling air baffle for pusher, color white
- h Cooling air baffle for pusher, color black
- i Cooling air baffle for tractor, color black

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**Fig. 76-10-00-1**

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**Chapter) 76-10-00**  
**TURBOCHARGER CONTROL UNIT**

| FIG. & ITEM NO. | STATUS    | PART NO.         | INDENT | Description                         | Parts per Engine |       |       |        |         |       |        |
|-----------------|-----------|------------------|--------|-------------------------------------|------------------|-------|-------|--------|---------|-------|--------|
|                 |           |                  |        |                                     | 912 A            | 912 F | 912 S | 912 UL | 912 ULS | 914 F | 914 UL |
| 1 1             | S.V.<br>N | 966494<br>966495 | .1     | WIRING HARNESS                      |                  |       |       |        |         | 1a    | 1a     |
| 2               |           | 966741           | .1     | TURBOCHARGER CONTROL UNIT (TCU) 4.6 |                  |       |       |        |         | 1     | 1      |
| 3               |           | 295410           | .1     | SERVO MOTOR                         |                  |       |       |        |         | 1     | 1      |
| 4               |           | 280088           | .1     | ROPE SHEAVE                         |                  |       |       |        |         | 1     | 1      |
| 5               |           | 926180           | .1     | WASHER A 5.2x14.8x1.5               |                  |       |       |        |         | 1     | 1      |
| 6 N<br>S.V.     |           | 945830<br>945750 | .1     | LOCK WASHER A5                      |                  |       |       |        |         | 1     | 1      |
| 7               |           | 441341           | .1     | ALLEN SCREW M5x20                   |                  |       |       |        |         | 1     | 1      |
| 8               |           | 847882           | .1     | CABLE RETAINER                      |                  |       |       |        |         | 1     | 1      |
| 9               |           | 239015           | .1     | COMPRESSION SPRING 16.9             |                  |       |       |        |         | 1     | 1      |
| 10              |           | 853845           | .1     | CLAMP 5-7 MM                        |                  |       |       |        |         | 1     | 1      |
| 11              |           | 897941           | .1     | CABLE BOWDEN ASSY.                  |                  |       |       |        |         | 1     | 1      |
| 12              |           | 966502           | .1     | AIRBOX PRESSURE SENSOR              |                  |       |       |        |         | 1     | 1      |
| 13              |           | 274051           | .1     | AMBIENT PRESSURE SENSOR             |                  |       |       |        |         | 1a    | 1a     |
| 14              |           | 924990           | .1     | HOLDING BRACKET FOR 274051          |                  |       |       |        |         | (1)a  | (1)a   |
| 15              |           | xxxxxx           | .1     | See chapt. 73-10-00, fig. 3         |                  |       |       |        |         | 1     | 1      |
| 16              |           | -                | .1     | CALIBRATION-SET                     |                  |       |       |        |         | (1)b  | (1)b   |
| 17 N<br>S.V.    |           | 660772<br>660771 | .1     | RUBBER BUFFER 10x15xM4              |                  |       |       |        |         | 4     | 4      |
| 18              |           | 666012           | .1     | CONNECTOR CABLE                     |                  |       |       |        |         | 1c    | 1c     |

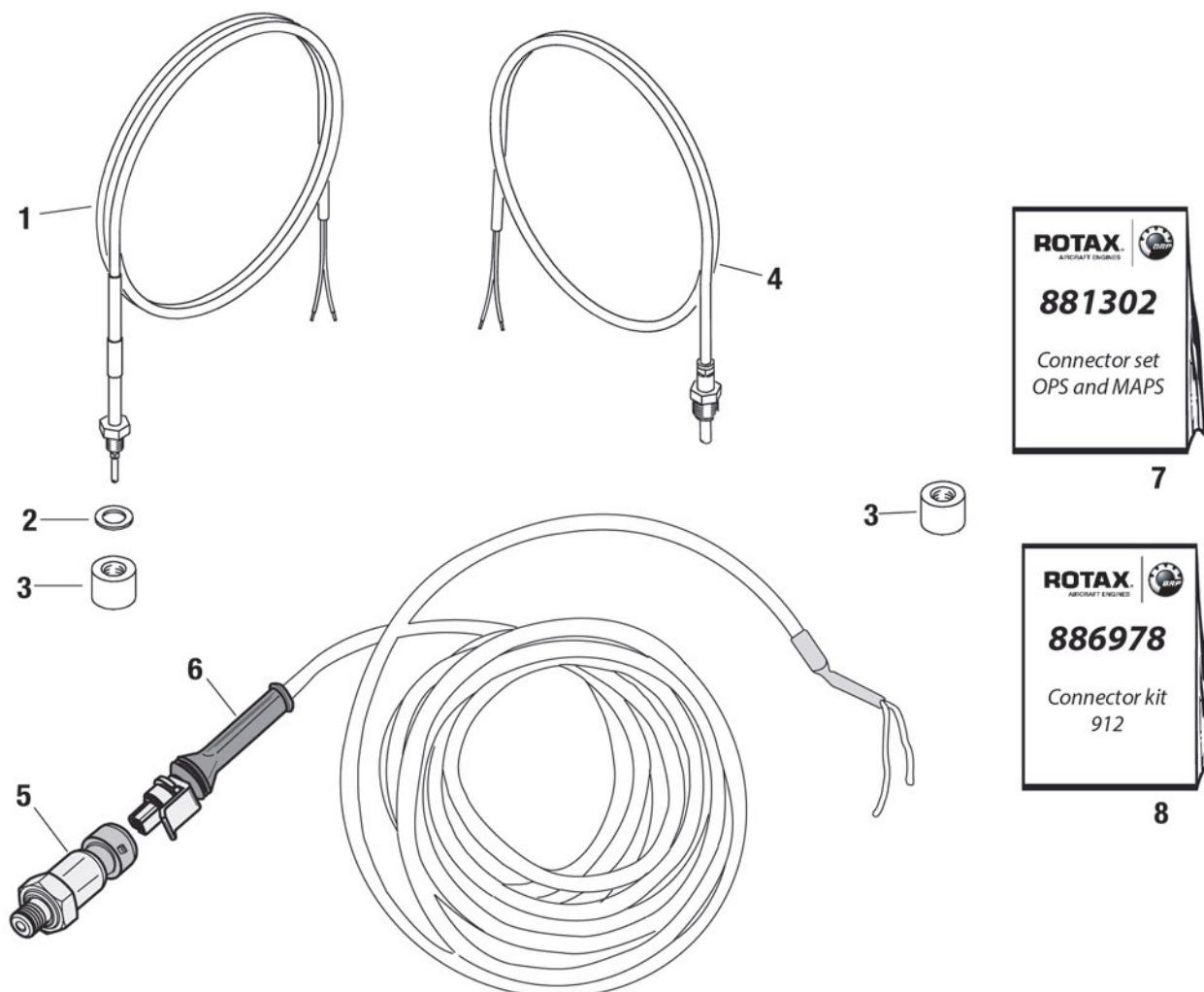
- Items not illustrated

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- a See Service Instruction SI-914-022 current issue
- b For authorized distributors only
- c Connector cable, wiring harness part no. 966492 with sensor part no. 274051  
See Service Instruction SI-914-022

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**CHAPTER INCLUDES ONLY  
NOT CERTIFIED PARTS**



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**Fig. 76-20-00-1**

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**Chapter) 76-20-00**  
**FLYDAT, SENSOR SET (all parts optional)**

| FIG &<br>ITEM NO. | STATUS | PART<br>NO. | INDENT | Description                   | Parts per Engine |       |       |        |         |       |        |
|-------------------|--------|-------------|--------|-------------------------------|------------------|-------|-------|--------|---------|-------|--------|
|                   |        |             |        |                               | 912 A            | 912 F | 912 S | 912 UL | 912 ULS | 914 F | 914 UL |
| 1 1-6             |        | 886978      | .1     | SENSOR KIT 912                |                  |       |       | 1      | 1       |       | 1      |
|                   |        | 966370      | .2     | THERMO COUPLE<br>NICR-NI K    |                  |       |       | 4c     | 4c      |       | 4c     |
|                   |        | 950141      | .2     | GASKET RING A 8x13            |                  |       |       | 4      | 4       |       | 4      |
|                   |        | 842758      | .2     | WELD-ON NUT M8x1              |                  |       |       | 4b     | 4b      |       | 4b     |
|                   |        | 966385      | .2     | RESISTANCE THERMO-<br>METER   |                  |       |       | 2a     | 2a      |       | 2a     |
|                   |        | xxxxxx      | .2     | See chapt. 79-20-00           |                  |       |       | 1d     | 1d      |       | 1e     |
|                   |        | xxxxxx      | .2     | See chapt. 79-20-00           |                  |       |       | 1d     | 1d      |       | 1e     |
|                   |        | 881302      | .1     | CONNECTOR SET OPS<br>AND MAPS |                  |       |       | 1e     | 1e      |       | 1f     |
|                   |        | 886978      | .1     | SENSOR KIT 912                |                  |       |       | 1f     | 1f      |       | 1g     |

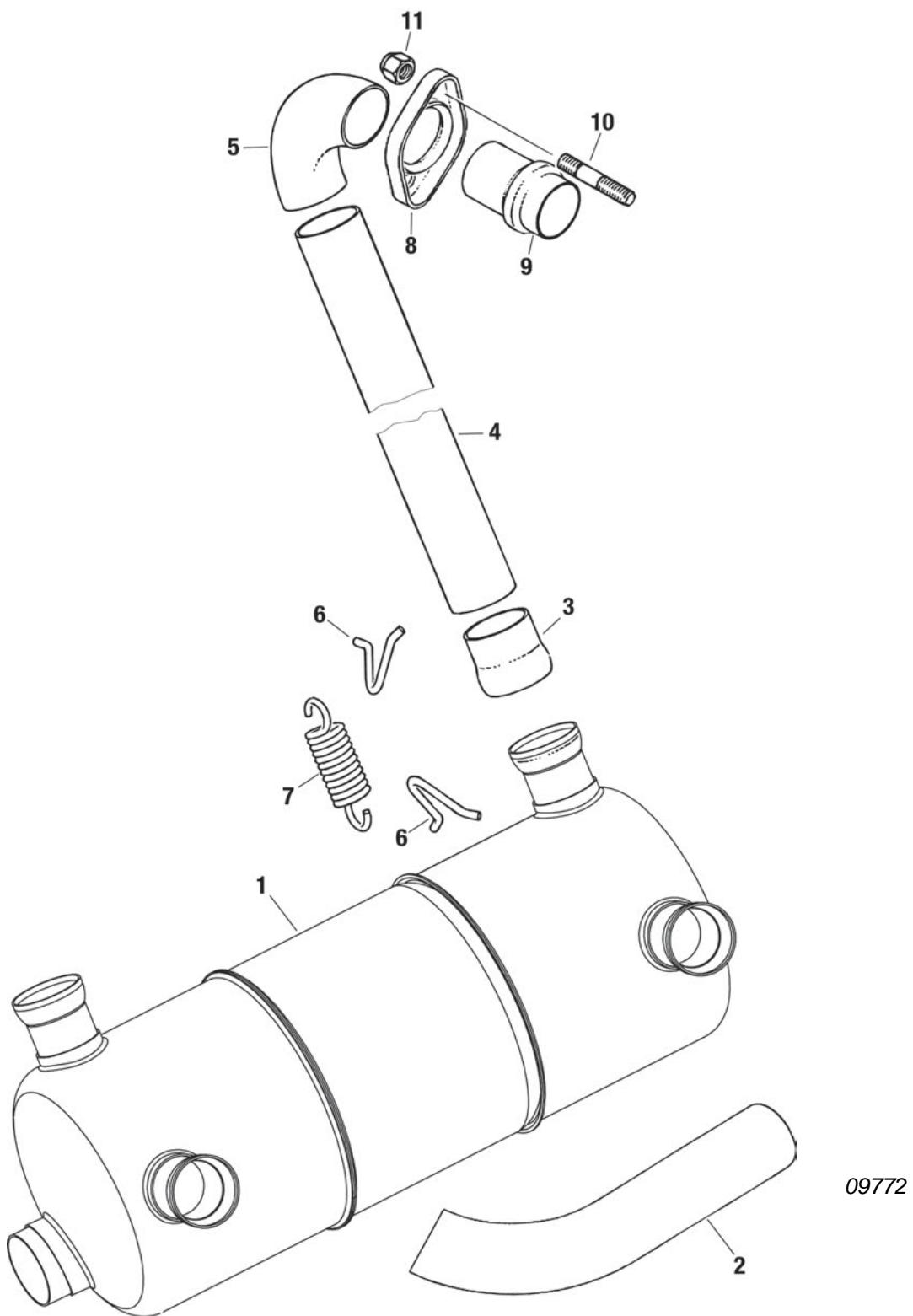
- Items not illustrated

- a For cylinder head
- b For EGT sensor
- c For exhaust gas temperature (EGT);
- d See Service Instruction SI-912-020/SI-914-022, current issue
- e Connector set for part no. 456180 without cable
- f For engine type 912 UL+ULS: 4x EGT, 2x CHT, 1x OPS + small parts

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**Fig. 78-10-00-2**

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**Chapter) 78-10-00**  
**EXHAUST SYSTEM**

| FIG. &<br>ITEM NO. | STATUS         | PART<br>NO. | INDENT | Description                          | Parts per Engine |       |       |        |         |       |        |
|--------------------|----------------|-------------|--------|--------------------------------------|------------------|-------|-------|--------|---------|-------|--------|
|                    |                |             |        |                                      | 912 A            | 912 F | 912 S | 912 UL | 912 ULS | 914 F | 914 UL |
| 1                  | 1-7            | 978489      | .1     | EXHAUST ASSORTMENT STAINLESS STEEL   | (1)b             | (1)b  |       | (1)b   |         |       |        |
|                    | 1-7            | 973676      | .1     | EXHAUST ASSORTMENT STAINLESS STEEL   | (1)              | (1)   | (1)   | (1)    | (1)     |       |        |
|                    | 1              | 978060      | .2     | MUFFLER ASSY. STANDARD               | (1)              | (1)   |       | (1)    |         |       |        |
|                    | 1              | 978063      | .2     | MUFFLER ASSY. STAINLESS              | (1)b             | (1)b  |       | (1)b   |         |       |        |
|                    | 1              | 973673      | .2     | MUFFLER ASSY. STAINLESS              | (1)              | (1)   | (1)   | (1)    | (1)     |       |        |
|                    | 2<br>N<br>S.v. | 978603      | .2     | EXHAUST ELBOW, STANDARD              | (1)              | (1)   |       | (1)    |         |       |        |
|                    |                | 978600      |        |                                      |                  |       |       |        |         |       |        |
|                    | 2<br>N<br>S.v. | 978605      | .2     | EXHAUST ELBOW, STAINLESS             | (1)              | (1)   | (1)   | (1)    | (1)     |       |        |
|                    |                | 978601      |        |                                      |                  |       |       |        |         |       |        |
|                    | 3              | 978520      | .2     | BALL JOINT, MALE                     | (4)              | (4)   |       | (4)    |         |       |        |
|                    | 3              | 978521      | .2     | BALL JOINT, MALE STAINLESS           | (4)              | (4)   | (4)   | (4)    | (4)     |       |        |
|                    | 4              | 978997      | .2     | EXHAUST TUBE 800 MM STANDARD         | (2)              | (2)   | (1)   | (2)    | (1)     |       |        |
|                    | 4              | 978998      | .2     | EXHAUST TUBE 800 MM STAINLESS        | (2)              | (2)   | (2)   | (2)    | (2)     |       |        |
|                    | 5<br>N<br>S.v. | 978500      | .2     | EXHAUST ELBOW ASSY. 1.5 MM STAINLESS | 2a               | 2a    | 2a    | 2a     | 2a      | 2a    | 2a     |
|                    |                | 978496      |        |                                      |                  |       |       |        |         |       |        |
|                    | 5              | 978502      | .2     | EXHAUST ELBOW ASSY. 1.5 MM STANDARD  | 2a               | 2a    | 2a    | 2a     | 2a      | 2a    | 2a     |
|                    | 6              | 853355      | .2     | HOOK                                 | (16)             | (16)  |       | (16)   |         |       |        |
|                    | 6              | 853356      | .2     | HOOK STAINLESS                       | (16)             | (16)  | (16)  | (16)   | (16)    |       |        |
|                    | 7<br>N<br>S.v. | 938796      | .2     | SPRING 66 MM STAINLESS               | (8)              | (8)   | (8)   | (8)    | (8)     |       |        |
|                    |                | 938795      |        |                                      |                  |       |       |        |         |       |        |
|                    | 8<br>N<br>S.v. | 978246      | .1     | EXHAUST FLANGE                       | 4                | 4     | 4     | 4      | 4       |       |        |
|                    |                | 978245      |        |                                      |                  |       |       |        |         |       |        |
|                    | 9              | 978252      | .1     | EXHAUST SOCKET                       | 4                | 4     | 4     | 4      | 4       |       |        |

- Items not illustrated

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| FIG. & ITEM NO. | STATUS    | PART NO.         | INDENT | Description      | Parts per Engine |       |       |        |         |       |        |
|-----------------|-----------|------------------|--------|------------------|------------------|-------|-------|--------|---------|-------|--------|
|                 |           |                  |        |                  | 912 A            | 912 F | 912 S | 912 UL | 912 ULS | 914 F | 914 UL |
| 10              | N<br>s.v. | 940368<br>940366 | .1     | STUD M8x23/20    | 8                | 8     | 8     | 8      | 8       | 8     | 8      |
| 11              |           | 842950           | .1     | LOCK NUT M8-WS12 | 8                | 8     | 8     | 8      | 8       | 8     | 8      |

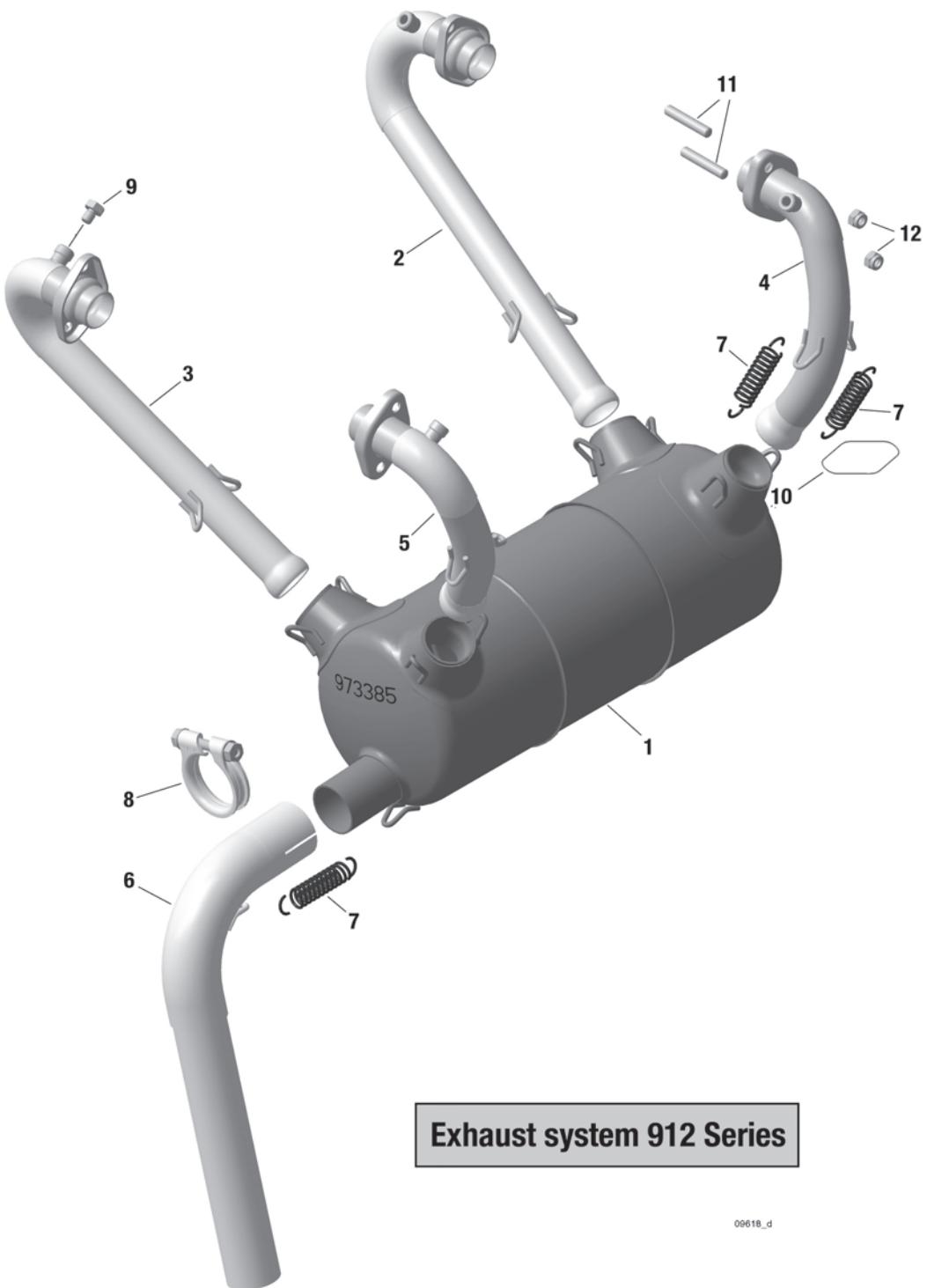
- Items not illustrated

- a 360° anular ring (torus-shaped)
- b For 80 HP engine only! Do not use on 100 HP engine with muffler assy. part no. 978063.

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**Exhaust system 912 Series**

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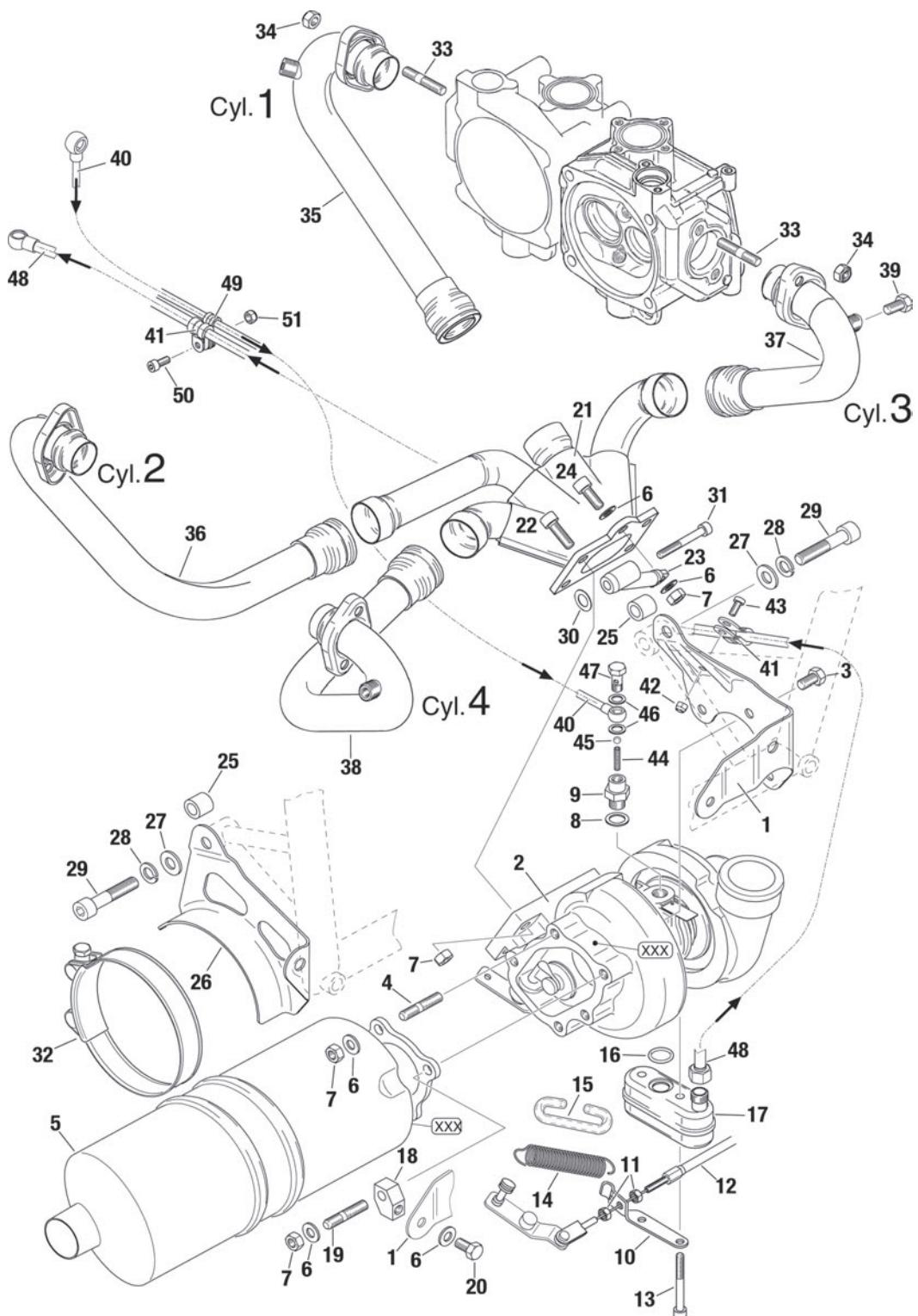
**Fig. 78-10-00-2**

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**Chapter) 78-10-00**  
**EXHAUST SYSTEM 912 SERIES**

| FIG. &<br>ITEM NO. | STATUS | PART<br>NO. | INDENT           | Description | Parts per Engine                   |       |       |        |         |       |        |
|--------------------|--------|-------------|------------------|-------------|------------------------------------|-------|-------|--------|---------|-------|--------|
|                    |        |             |                  |             | 912 A                              | 912 F | 912 S | 912 UL | 912 ULS | 914 F | 914 UL |
| 2                  | 1-9    | N<br>s.v.   | 973383<br>973387 | .1          | EXHAUST ASSORTMENT STAINLESS STEEL | 1     | 1     | 1      | 1       | 1     |        |
|                    | 1      |             | 973385           | .2          | MUFFLER ASSY.                      | 1     | 1     | 1      | 1       | 1     |        |
|                    | 2      |             | 973010           | .2          | EXHAUST PIPE ASSY. CLY. 1          | 1     | 1     | 1      | 1       | 1     |        |
|                    | 3      |             | 973020           | .2          | EXHAUST PIPE ASSY. CLY. 2          | 1     | 1     | 1      | 1       | 1     |        |
|                    | 4      |             | 973030           | .2          | EXHAUST PIPE ASSY. CLY. 3          | 1     | 1     | 1      | 1       | 1     |        |
|                    | 5      |             | 973040           | .2          | EXHAUST PIPE ASSY. CLY. 4          | 1     | 1     | 1      | 1       | 1     |        |
|                    | 6      |             | 973390           | .2          | EXHAUST ELBOW, STAINLESS           | 1     | 1     | 1      | 1       | 1     |        |
|                    | 7      | N<br>s.v.   | 938796<br>938795 | .2          | SPRING 66 MM                       | 9     | 9     | 9      | 9       | 9     |        |
|                    | 8      |             | 951550           | .2          | EXHAUST PIPE CLAMP ASSY.           | 1     | 1     | 1      | 1       | 1     |        |
|                    | 9      | N<br>s.v.   | 841115<br>841113 | .2          | HEX. SCREW M8X1X10                 | 4     | 4     | 4      | 4       | 4     |        |
|                    | 10     |             | 297555           | .1          | SAFETY WIRE 0.8                    | AR    | AR    | AR     | AR      | AR    |        |
|                    | 11     |             | 940366           | .1          | STUD M8x23/20                      | 8     | 8     | 8      | 8       | 8     |        |
|                    | 12     |             | 842950           | .1          | LOCK NUT M8-WS12                   | 8     | 8     | 8      | 8       | 8     |        |

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**Fig. 78-10-00-2**

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**Chapter) 78-10-00****MUFFLER, TURBOCHARGER, OIL SUMP CONTAINER**

| FIG. & ITEM NO. | STATUS | PART NO. | INDENT | Description                         | Parts per Engine |       |       |        |         |       |        |
|-----------------|--------|----------|--------|-------------------------------------|------------------|-------|-------|--------|---------|-------|--------|
|                 |        |          |        |                                     | 912 A            | 912 F | 912 S | 912 UL | 912 ULS | 914 F | 914 UL |
| 3 1 N           |        | 851294   | .1     | TURBO BRACKET                       |                  |       |       |        |         | 1     | 1      |
| 2-3             |        | 887129   | .1     | TURBOCHARGER ASSY.                  |                  |       |       |        |         | 1     | 1      |
| 3               |        | 940583   | .2     | HEX. SCREW M8x16 STAINLESS          |                  |       |       |        |         | 4     | 4      |
| 4               |        | 940173   | .2     | STUD M8x19.5/13                     |                  |       |       |        |         | 4a    | 4a     |
| 5               |        | 979407   | .1     | MUFFLER ASSY. STAINLESS             |                  |       |       |        |         | 1     | 1      |
| 6               |        | 250313   | .1     | WASHER 8.4 STAINLESS                |                  |       |       |        |         | 8     | 8      |
| 7               |        | 242203   | .1     | HEX. NUT M8 STAINLESS               |                  |       |       |        |         | 10    | 10     |
| 8 N<br>s.v.     |        | 250646   | .1     | GASKET A 12x18-CU                   |                  |       |       |        |         | 1     | 1      |
|                 |        | 250640   |        |                                     |                  |       |       |        |         |       |        |
| 9               |        | 956486   | .1     | VALVE HOUSING                       |                  |       |       |        |         | 1     | 1      |
| 10              |        | 851392   | .1     | CABLE SUPPORT                       |                  |       |       |        |         | 1     | 1      |
| 11              |        | 242211   | .1     | HEX. NUT M6                         |                  |       |       |        |         | 2     | 2      |
| 12              |        | xxxxxx   | .1     | see chapt. 76-00-00                 |                  |       |       |        |         | 1     | 1      |
| 13 N<br>s.v.    |        | 640601   | .1     | HEX. SCREW M6x55                    |                  |       |       |        |         | 2     | 2      |
|                 |        | 640600   |        |                                     |                  |       |       |        |         |       |        |
| 14              |        | 838232   | .1     | TENSION SPRING STAINLESS            |                  |       |       |        |         | 1     | 1      |
| 15              |        | 960080   | .1     | SILICONE TUBE 5x8                   |                  |       |       |        |         | ARb   | ARb    |
| 16              |        | 430225   | .1     | O-RING 15.9-2.3                     |                  |       |       |        |         | 1     | 1      |
| 17              |        | 956495   | .1     | OIL SUMP ASSY.                      |                  |       |       |        |         | 1     | 1      |
| 18              |        | 953280   | .1     | SUPPORT PLATE                       |                  |       |       |        |         | 1     | 1      |
| 19              |        | 641343   | .1     | STUD M8x30/13                       |                  |       |       |        |         | 1     | 1      |
| 20              |        | 940583   | .1     | HEX. SCREW M8x16 STAINLESS          |                  |       |       |        |         | 1     | 1      |
| 21 N            |        | 979416   | .1     | EXHAUST MANIFOLD ASSY.              |                  |       |       |        |         | 1a    | 1a     |
| 22              |        | 240083   | .1     | ALLEN SCREW M8x25 STAINLESS         |                  |       |       |        |         | 4     | 4      |
| 23 N<br>s.v.    |        | 953304   | .1     | MANIFOLD BRACKET ASSY.<br>STAINLESS |                  |       |       |        |         | 1     | 1      |
|                 |        | 953303   |        |                                     |                  |       |       |        |         |       |        |

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| FIG. & ITEM NO. | STATUS    | PART NO.         | INDENT | Description  | Parts per Engine |       |       |        |         |         |         |
|-----------------|-----------|------------------|--------|--|------------------|-------|-------|--------|---------|---------|---------|
|                 |           |                  |        |  | 912 A            | 912 F | 912 S | 912 UL | 912 ULS | 914 F   | 914 UL  |
| 24              | N<br>s.v. | 240083<br>240073 | .1     | ALLEN SCREW M8x25 STAINLESS<br>ALLEN SCREW M8x20 STAINLESS |                  |       |       |        |         | 1e<br>1 | 1e<br>1 |
| 25              |           | 847841           | .1     | DISTANZHUELSE 10,5/17/15<br>SPACER 10.5/17/15              |                  |       |       |        |         | 2       | 2       |
| 26              |           | 851303           | .1     | EXHAUST BRACKET  |                  |       |       |        |         | 1       | 1       |
| 27              | N<br>n.a. | 927411<br>927410 | .1     | WASHER 10.5  |                  |       |       |        |         | 2       | 2       |
| 28              | N<br>s.v. | 945833<br>945753 | .1     | LOCK WASHER A10  |                  |       |       |        |         | 2       | 2       |
| 29              |           | 640572           | .1     | ALLEN SCREW M10x50   |                  |       |       |        |         | 2       | 2       |
| 30              |           | xxxxxx           | .1     | See chapt. 72-20-00 pos. 38                                |                  |       |       |        |         | AR      | AR      |
| 31              |           | xxxxxx           | .1     | See chapt. 72-20-00 pos. 36                                |                  |       |       |        |         | AR      | AR      |
| 32              |           | 851312           | .1     | CLAMP 120  |                  |       |       |        |         | 1       | 1       |
| 33              |           | xxxxxx           | .1     | See fig. 1 pos. 10   | 8                | 8     | 8     | 8      | 8       | 8       | 8       |
| 34              |           | xxxxxx           | .1     | See fig. 1 pos. 11   | 8                | 8     | 8     | 8      | 8       | 8       | 8       |
| 35              |           | 979427           | .1     | EXHAUST PIPE ASSY. CYL. 1                                  |                  |       |       |        |         | 1da     | 1da     |
| 36              |           | 979437           | .1     | EXHAUST PIPE ASSY. CYL. 2                                  |                  |       |       |        |         | 1da     | 1da     |
| 37              |           | 979447           | .1     | EXHAUST PIPE ASSY. CYL. 3                                  |                  |       |       |        |         | 1da     | 1da     |
| 38              |           | 979457           | .1     | EXHAUST PIPE ASSY. CYL. 4                                  |                  |       |       |        |         | 1da     | 1da     |
| 39              | N<br>s.v. | 841115<br>841113 | .1     | HEX. SCREW M8x1x10   |                  |       |       |        |         | 4       | 4       |
| 40              |           | 956476           | .1     | TURBO PRESSURE OIL LINE                                    |                  |       |       |        |         | 1       | 1       |
| 41              |           | 851111           | .1     | CABLE CLAMP 8/M5   |                  |       |       |        |         | 2       | 2       |
| 42              |           | 942021           | .1     | LOCK NUT M5  |                  |       |       |        |         | 1       | 1       |
| 43              | N<br>n.a. | 241842<br>241841 | .1     | ALLEN SCREW M5x12  |                  |       |       |        |         | 1       | 1       |
| 44              | N<br>n.a. | 239131<br>239130 | .1     | COMPRESSION SPRING 22,0                                    |                  |       |       |        |         | 1       | 1       |
| 45              |           | 232440           | .1     | BALL 5.556 MM  |                  |       |       |        |         | 1       | 1       |
| 46              |           | 950141           | .1     | GASKET RING A 8x13   |                  |       |       |        |         | 2       | 2       |

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| FIG. &<br>ITEM NO. | STATUS    | PART<br>NO.      | INDENT | Description            | Parts per Engine |       |       |        |         |       |        |
|--------------------|-----------|------------------|--------|------------------------|------------------|-------|-------|--------|---------|-------|--------|
|                    |           |                  |        |                        | 912 A            | 912 F | 912 S | 912 UL | 912 ULS | 914 F | 914 UL |
| 47                 |           | 840730           | .1     | BANJO BOLT M8x1x17     |                  |       |       |        |         | 1c    | 1c     |
| 48                 |           | 956470           | .1     | TURBO OIL SUCTION LINE |                  |       |       |        |         | 1     | 1      |
| 49                 |           | 851116           | .1     | CABLE CLAMP 5/M5       |                  |       |       |        |         | 2     | 2      |
| 50                 | N<br>n.a. | 241842<br>241841 | .1     | ALLEN SCREW M5x12      |                  |       |       |        |         | 2     | 2      |
| 51                 |           | 942021           | .1     | LOCK NUT M5            |                  |       |       |        |         | 2     | 2      |

- a Stainless
- b In a roll
- c With imprinting „oil“;
- d See Service Instruction SI-914-022 current issue
- e additional washer part no. 250313 with manifold bracket part no. 953304

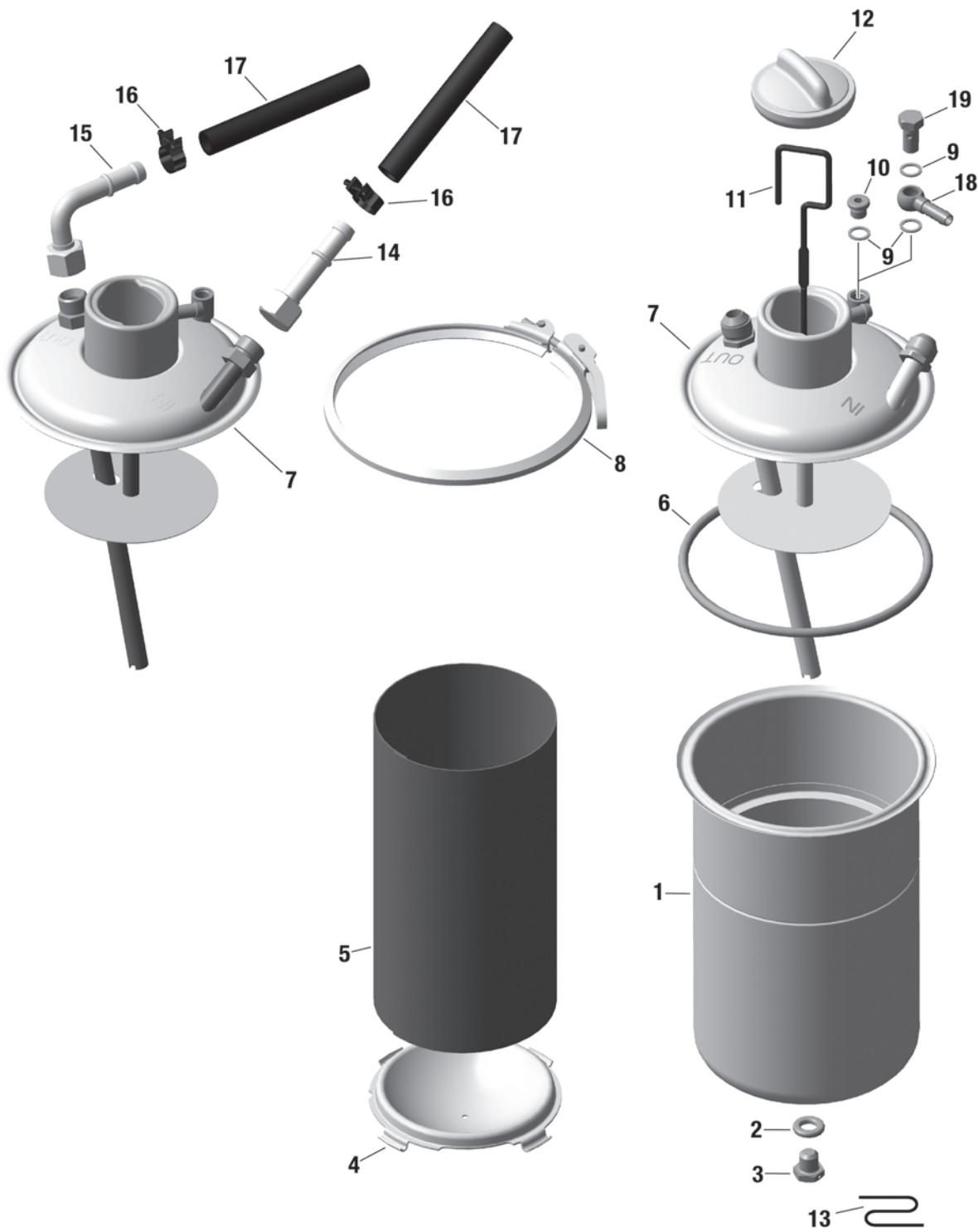
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**Fig. 79-20-00-1**

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**Chapter) 79-20-00**

**OIL TANK**

| FIG. & ITEM NO. | STATUS    | PART NO. | INDENT | Description                        | Parts per Engine |       |       |        |         |       |        |
|-----------------|-----------|----------|--------|------------------------------------|------------------|-------|-------|--------|---------|-------|--------|
|                 |           |          |        |                                    | 912 A            | 912 F | 912 S | 912 UL | 912 ULS | 914 F | 914 UL |
| 1               | 1-12 s.v. | 956503   | .1     | OIL TANK ASSY.<br>METRIC M18x1.5   | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
|                 | 1-12 N    | 656865   | .1     | OIL TANK ASSY.<br>METRIC M18x1.5   | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 1-12            | s.v.      | 956508   | .1     | OIL TANK ASSY. UNF 3/4-16          | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
|                 | N         | 656860   | .1     | OIL TANK ASSY. UNF 3/4-16          | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 2               |           | 250010   | .2     | GASKET RING C 12x18                | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 3               | N<br>s.v. | 241408   | .2     | HEX. SCREW M12x12                  | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
|                 |           | 241403   |        |                                    |                  |       |       |        |         |       |        |
| 4               | n.a.      |          | .2     | PARTITION 2                        | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 5               |           | 956204   | .2     | BAFFLE INSERT                      | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 6               |           | 850491   | .2     | O-RING 145x6                       | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 7               | n.a.      |          | .2     | OIL TANK COVER ASSY. UNF           | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 7               | n.a.      |          | .2     | OIL TANK COVER ASSY.<br>METRIC     | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 8               |           | 951817   | .2     | PROFILE CLAMP 163                  | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 9               |           | 230150   | .2     | SEALING RING A 10x14               | 1                | 1     | 1     | 1      | 1       | 2     | 2      |
| 10              |           | 641733   | .2     | PLUG SCREW M10x1                   | 1                | 1     | 1     | 1      | 1       |       |        |
| 11              |           | 956151   | .2     | OIL DIPSTICK                       | 1a               | 1a    | 1a    | 1a     | 1a      | 1a    | 1a     |
| 12              |           | 974647   | .2     | OIL TANK COVER, WITHOUT<br>VENTING | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 13              |           | 297555   | .1     | SAFETY WIRE 0.8                    | AR               | AR    | AR    | AR     | AR      | AR    | AR     |
| 14              |           | 956610   | .1     | HOSE NIPPLE WITH UNION<br>NUT      | 1c               | 1c    | 1c    | 1c     | 1c      | 1c    | 1c     |
| 15              |           | 956580   | .1     | BENT SOCKET                        | 1c               | 1c    | 1c    | 1c     | 1c      | 1c    | 1c     |
| 16              | N         | 951826   | .1     | HOSE CLAMP 19x9                    | 4                | 4     | 4     | 4      | 4       | 4     | 4      |

- Items not illustrated

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| FIG. & ITEM NO. | STATUS    | PART NO.         | INDENT | Description                                | Parts per Engine |       |       |        |         |       |        |
|-----------------|-----------|------------------|--------|--|------------------|-------|-------|--------|---------|-------|--------|
|                 |           |                  |        |  | 912 A            | 912 F | 912 S | 912 UL | 912 ULS | 914 F | 914 UL |
| 17              | N<br>s.v. | 956394<br>956390 | .1     | OIL TUBE OLNS 1 12x19                      |                  |       |       | ARb    | ARb     |       | ARb    |
| 18              |           | 956314           | .1     | HOSE NIPPLE 4/6                            |                  |       |       |        |         | 1     | 1      |
| 19              | N<br>s.v. | 241073<br>940874 | .1     | BANJO BOLT M10x1x19<br>BANJO BOLT M10x1x19 |                  |       |       |        |         | 1     | 1      |

- Items not illustrated

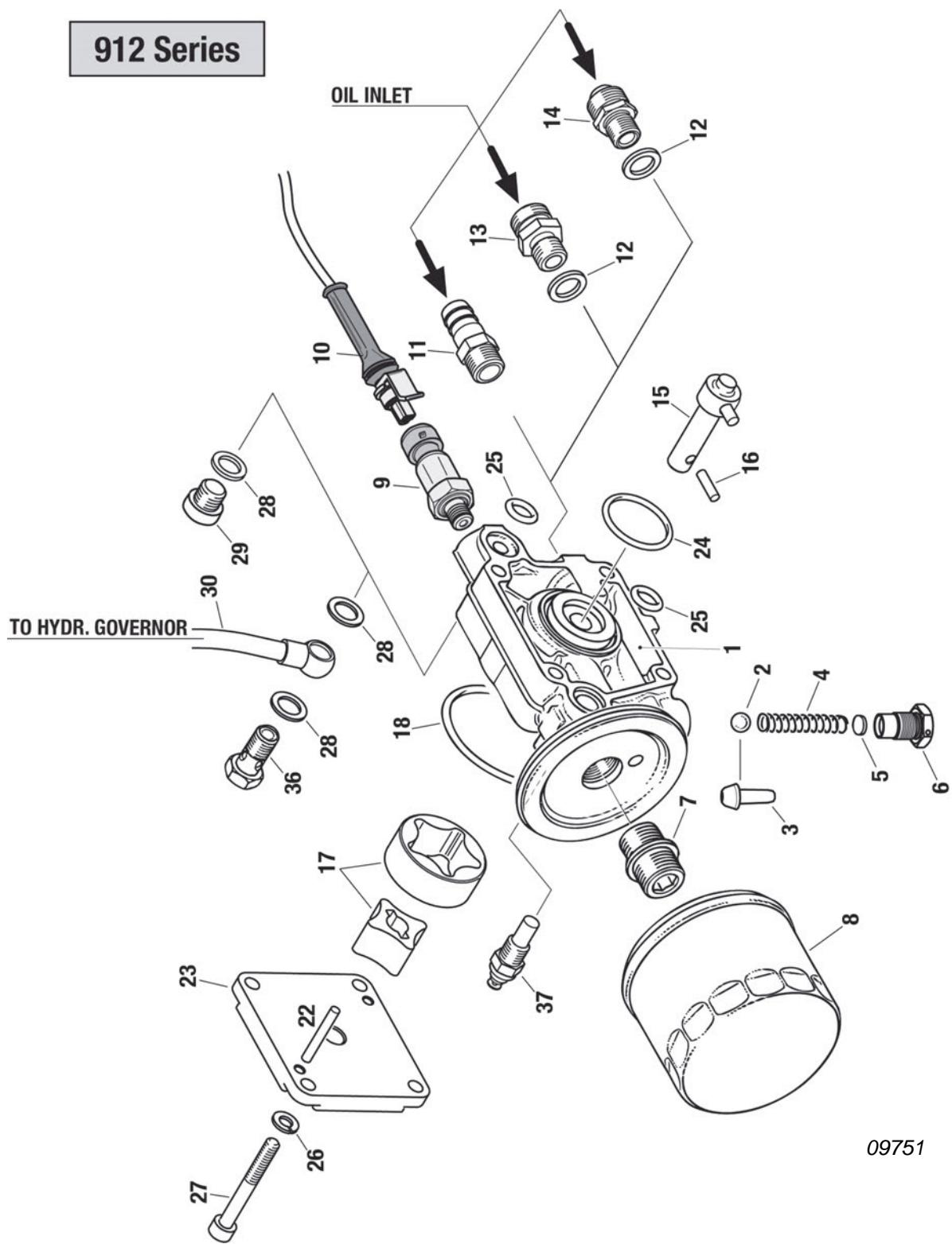
- a See SB-912-040, SB-914-026 current issue
- b In a roll, not with Form 1
- c with metric connection thread M18x1.5

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**912 Series**



**Fig. 79-20-00-2**

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**Chapter) 79-20-00****OIL PUMP ASSY., OIL FILTER, OIL TEMPERATURE SENSOR,  
OIL PRESSURE SENSOR**

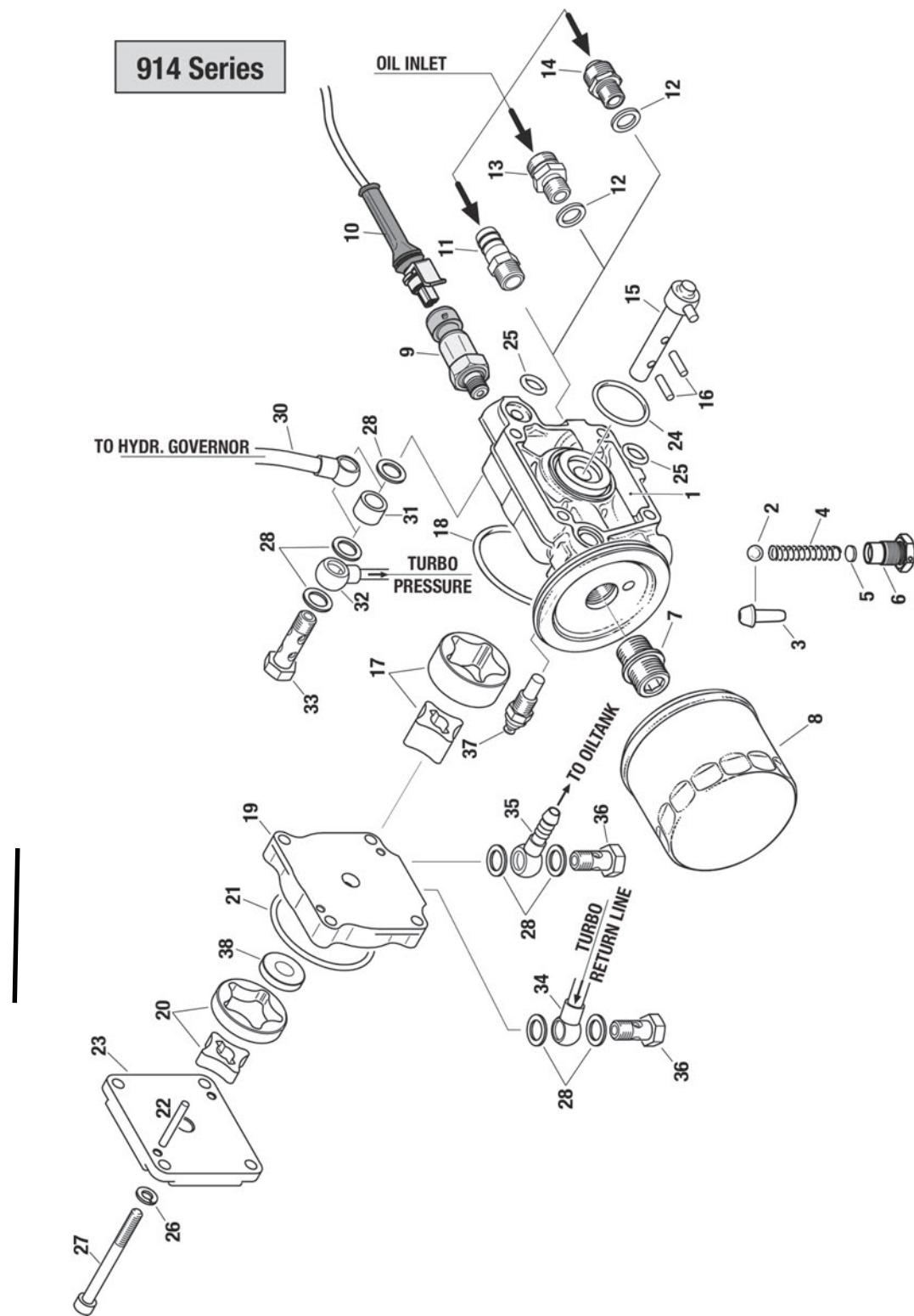
| FIG. & ITEM NO. | STATUS | PART NO. | INDENT | Description                         | Parts per Engine |       |       |        |         |       |        |
|-----------------|--------|----------|--------|-------------------------------------|------------------|-------|-------|--------|---------|-------|--------|
|                 |        |          |        |                                     | 912 A            | 912 F | 912 S | 912 UL | 912 ULS | 914 F | 914 UL |
| 2, 1<br>3       |        | 911815   | .1     | OIL PUMPE HOUSING ASSY.             | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 2               |        | 432680   | .1     | BALL 8.5 MM                         | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 3               |        | 857230   | .1     | VALVE PISTON                        | (1)              | (1)   | (1)   | (1)    | (1)     | (1)   | (1)    |
| 4               |        | 838122   | .1     | PRESSURE SPRING DM 7.1 D 0.9 L 39.5 | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 5               |        | 227055   | .1     | SHIM 8.2x1.5                        | AR               | AR    | AR    | AR     | AR      | AR    | AR     |
| 6               |        | 841983   | .1     | PLUG SCREW M12x1                    | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 7               |        | 924424   | .1     | OIL FILTER NIPPLE                   | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 8               |        | 825016   | .1     | OIL FILTER                          | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 9               | n.a.   | 956413   | .1     | OIL PRESSURE SENSOR                 | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 9               |        | 456180   | .1     | OIL PRESSURE SENSOR ASSY.           | 1a               | 1a    | 1a    | 1a     | 1a      | 1a    | 1a     |
| 10              |        | 864250   | .1     | OIL PRESSURE SENSOR WIRE ASSY.      | 1a               | 1a    | 1a    | 1a     | 1a      | 1a    | 1a     |
| 11              |        | 881302   | .1     | CONNECTOR KIT                       | 1b               | 1b    | 1b    | 1b     | 1b      | 1b    | 1b     |

- Items not illustrated

a see SI 912-020/914-022

b without wire

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**Fig. 79-20-00-3**

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| FIG. & ITEM NO. | STATUS    | PART NO. | INDENT | Description                            | Parts per Engine |       |       |        |         |       |        |
|-----------------|-----------|----------|--------|--|------------------|-------|-------|--------|---------|-------|--------|
|                 |           |          |        |  | 912 A            | 912 F | 912 S | 912 UL | 912 U.S | 914 F | 914 UL |
| 2,<br>3         |           | 840461   | .1     | NIPPLE 13.2/9.5-M14x1.5                | 1                |       |       | 1      | 1       |       | 1      |
|                 |           | 230387   | .1     | GASKET RING 14.2/18/2                  | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
|                 |           | 956577   | .1     | ADAPTOR M18x1.5/M14x1.5                | 1                | 1     | 1     | (1)    | (1)     | 1     | (1)    |
|                 |           | 956641   | .1     | ADAPTOR 3/4-16 UNF/<br>M14x1.5         | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
|                 |           | 837127   | .1     | OIL PUMP SHAFT ASSY.                   |                  |       |       |        |         | 1     | 1      |
|                 |           | 837129   | .1     | OIL PUMP SHAFT ASSY.                   | 1                | 1     | 1     | 1      | 1       |       |        |
|                 | N<br>s.v. | 232732   | .1     | NEEDLE PIN 4x15.8 G3                   | 1                | 1     | 1     | 1      | 1       | 2     | 2      |
|                 |           | 232731   |        |  |                  |       |       |        |         |       |        |
|                 |           | 956278   | .1     | SUCTION INNER AND OUTER<br>ROTOR ASSY. | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
|                 |           | 430405   | .1     | O-RING 57x3                            | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
|                 | N<br>s.v. | 810595   | .1     | OIL PUMP HOUSING                       |                  |       |       |        |         | 1e    | 1e     |
|                 |           | 810592   |        |  |                  |       |       |        |         | 1     | 1      |
|                 |           | 256346   | .1     | PRESSURE INNER AND OU-<br>TER ROTOR    |                  |       |       |        |         | 1     | 1      |
|                 |           | 430175   | .1     | O-RING 46x3                            |                  |       |       |        |         | 1     | 1      |
|                 | N<br>s.v. | 232432   | .1     | NEEDLE PIN B 4x29.8 G5                 |                  |       |       |        |         | 2     | 2      |
|                 |           | 232431   |        |  |                  |       |       |        |         |       |        |
|                 | N<br>s.v. | 232731   | .1     | NEEDLE PIN B 4x15.8 G3                 | 2                | 2     | 2     | 2      | 2       |       |        |
|                 |           | 232732   |        |  |                  |       |       |        |         |       |        |
|                 |           | 911711   | .1     | OIL PUMP COVER                         | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
|                 |           | 950410   | .1     | O-RING 30x2.5                          | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
|                 |           | 250460   | .1     | O-RING 11x2.7                          | 2                | 2     | 2     | 2      | 2       | 2     | 2      |
|                 | N<br>s.v. | 827962   | .1     | Washer A6.4                            | 4                | 4     | 4     | 4      | 4       | 4     | 4      |
|                 |           | 827961   |        |  |                  |       |       |        |         |       |        |
|                 | N<br>n.a. | 241263   | .1     | ALLEN SCREW M6x65                      |                  |       |       |        |         | 4     | 4      |
|                 |           | 241261   |        |  |                  |       |       |        |         |       |        |
|                 | N<br>n.a. | 241762   | .1     | ALLEN SCREW M6x50                      | 4                | 4     | 4     | 4      | 4       |       |        |
|                 |           | 241761   |        |  |                  |       |       |        |         |       |        |

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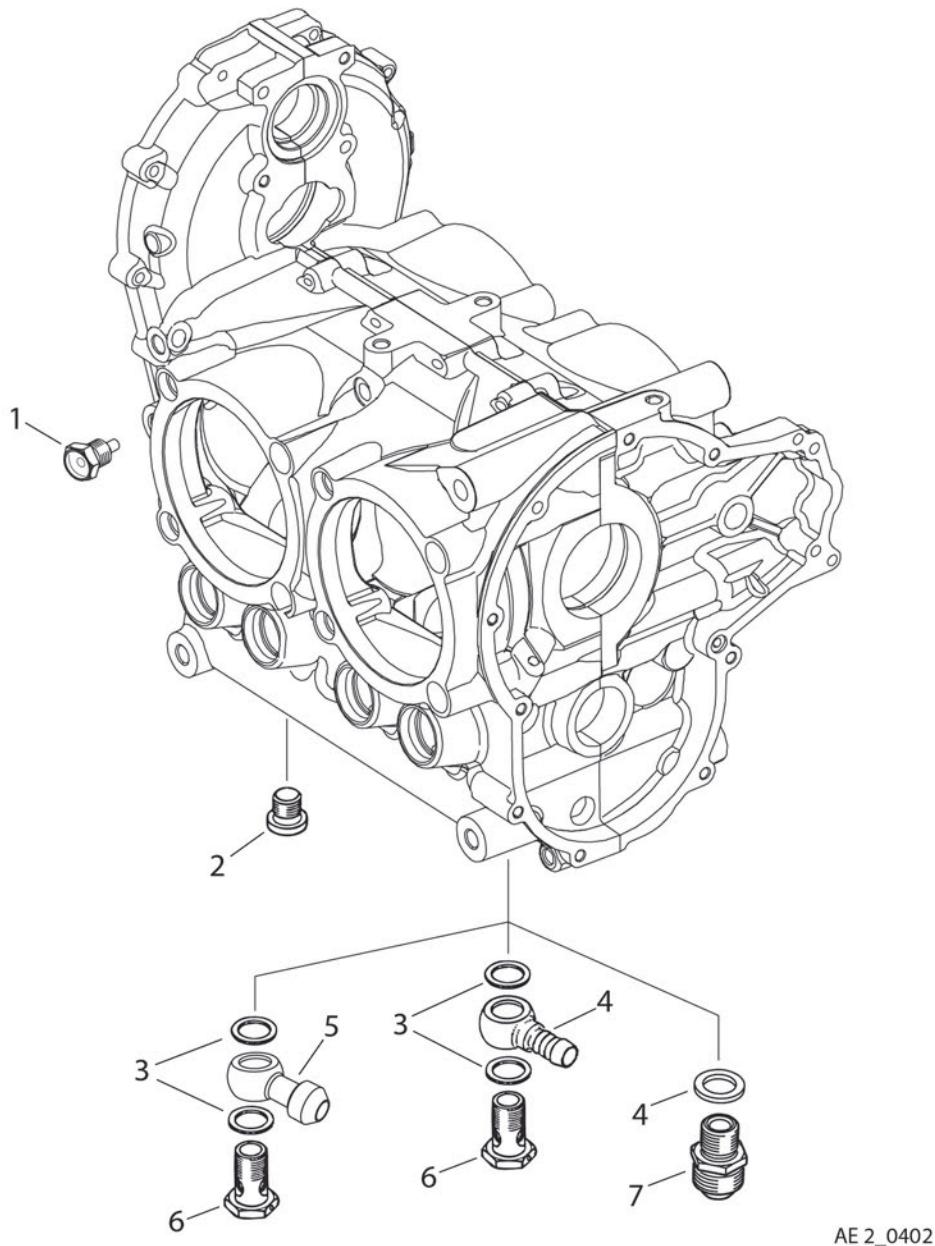
| FIG. & ITEM NO. | STATUS | PART NO. | INDENT | Description                                       | Parts per Engine |       |       |        |         |       |        |
|-----------------|--------|----------|--------|---|------------------|-------|-------|--------|---------|-------|--------|
|                 |        |          |        |   | 912 A            | 912 F | 912 S | 912 UL | 912 ULS | 914 F | 914 UL |
| 28              |        | 230150   | .1     | SEALING RING 10x14                                | 2                | 2     | 2     | 2      | 2       | 7     | 7      |
| 29              |        | 641733   | .1     | PLUG SCREW M10x1                                  | 1                | 1     | 1     | 1      | 1       |       |        |
| 30              |        | xxxxxx   | .1     | See chapt. 61-20-00                               | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 31              |        | 847228   | .1     | SPACER 10.5/15/10                                 |                  |       |       |        |         | 1     | 1      |
| 32              |        | xxxxxx   | .1     | See chapt. 78-10-00                               |                  |       |       |        |         | 1     | 1      |
| 33              | N      | 241072   | .1     | BANJO BOLT M10x1x30                               |                  |       |       |        |         | 1f    | 1f     |
|                 | N      | 940877   |        | BANJO BOLT M10x1x34                               |                  |       |       |        |         | 1f    | 1f     |
|                 | n.a.   | 940873   |        | BANJO BOLT M10x1x30                               |                  |       |       |        |         | 1     | 1      |
| 34              |        | xxxxxx   | .1     | See chapt. 78-10-00                               |                  |       |       |        |         | 1     | 1      |
| 35              |        | 956314   | .1     | HOSE NIPPLE 4/6                                   |                  |       |       |        |         | 1     | 1      |
| 36              | N      | 240073   | .1     | BANJO BOLT M10x1x19                               | 1                | 1     | 1     | 1      | 1       | 2f    | 2f     |
|                 | N      | 940876   |        | BANJO BOLT M10x1x 23                              | 1                | 1     | 1     | 1      | 1       | 2f    | 2f     |
|                 | n.a.   | 940874   |        | BANJO BOLT M10x1x19                               |                  |       |       |        |         |       |        |
| 37              |        | 965531   | .1     | TEMPERATURE SENSOR                                | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 38              |        | 430105   | .1     | OIL SEAL 10x18x4                                  |                  |       |       |        |         | 1e    | 1e     |
| 39              |        | xxx      | .1     | CONNECTOR SET OPS AND MAPS<br>See chapt. 76-20-00 | 1d               | 1d    | 1d    | 1d     | 1d      | 1d    | 1d     |

d for oil pressure sensor part no. 456180

e oil seal together with part no. 850595

f see latest issue of MMH Heavy, check depth of thread in oil pump housing

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**Fig. 79-20-00-4**

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**Chapter) 79-20-00**  
**MAGNETIC DRAIN PLUG, PLUG SCREW**

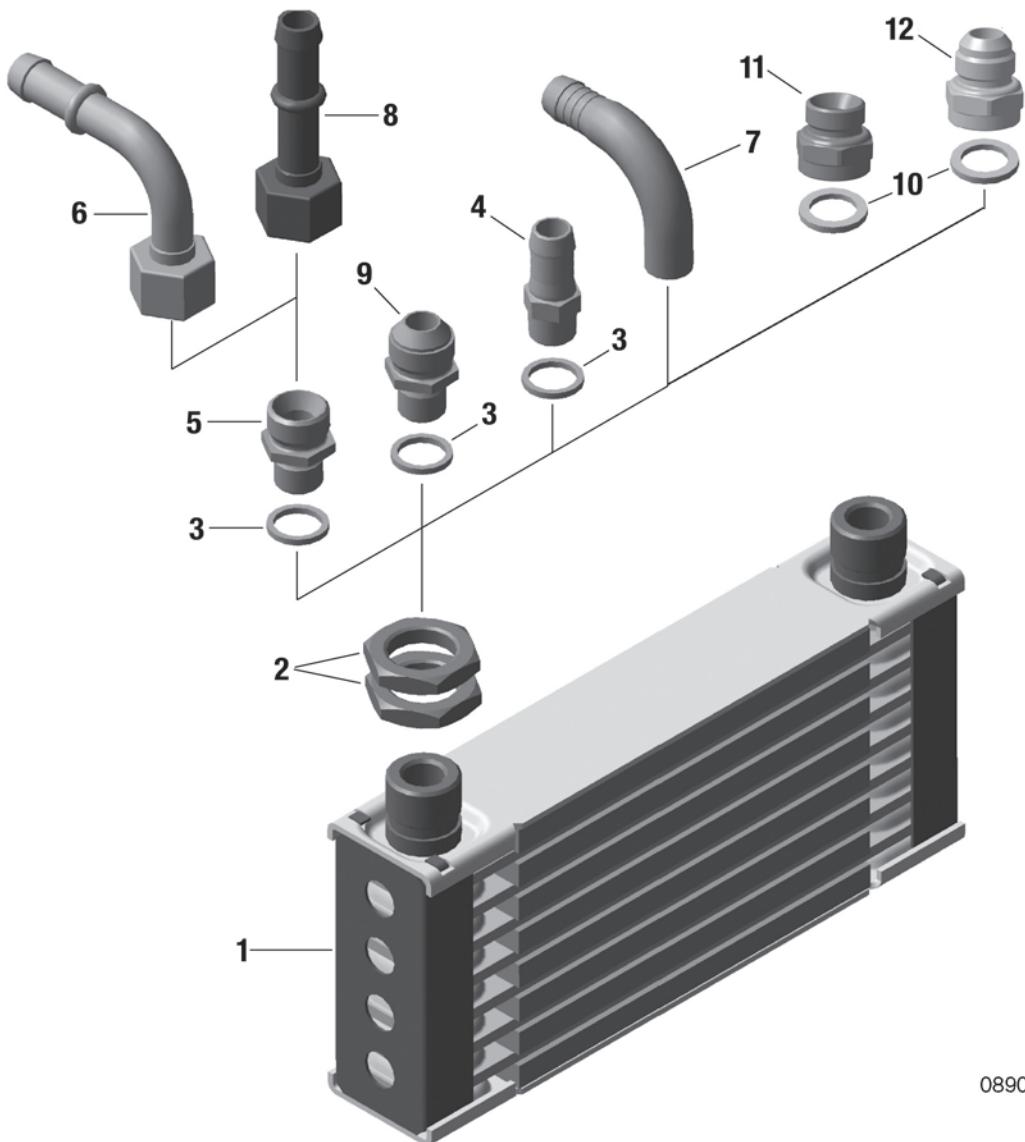
| FIG. & ITEM NO. | STATUS | PART NO. | INDENT | Description                 | Parts per Engine |       |       |        |         |       |        |
|-----------------|--------|----------|--------|-----------------------------|------------------|-------|-------|--------|---------|-------|--------|
|                 |        |          |        |                             | 912 A            | 912 F | 912 S | 912 UL | 912 ULS | 914 F | 914 UL |
| 4 1             |        | 241785   | .1     | MAGNETIC DRAIN PLUG M12x1.5 | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 2               |        | 240234   | .1     | PLUG SCREW M16x1.5          | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 3               |        | 430622   | .1     | GASKET RING A 16x22         | 2                | 2     | 2     | 2      | 2       | 2     | 2      |
| 4               |        | 956315   | .1     | HOSE NIPPLE 10              | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 5               |        | 956050   | .1     | HOSE NIPPLE 16              | 1a               | 1a    | 1a    | 1a     | 1a      | 1a    | 1a     |
| 6               |        | 940879   | .1     | BANJO BOLT M16x1.5x28       | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 7               |        | 956651   | .1     | ADAPTER 3/4-16 UNF/ M16x1.5 | 1                | 1     | 1     | 1      | 1       | 1     | 1      |

- a Following Service Instruction has to be noticed:

SI-912-003 current issue

SI-914-005

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**Fig. 79-20-00-5**

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**Chapter) 79-20-00****OIL RADIATOR**

| FIG. & ITEM NO. | STATUS    | PART NO.         | INDENT | Description                   | Parts per Engine |            |            |            |            |            |            |
|-----------------|-----------|------------------|--------|-------------------------------|------------------|------------|------------|------------|------------|------------|------------|
|                 |           |                  |        |                               | 912 A            | 912 F      | 912 S      | 912 UL     | 912 ULS    | 914 F      | 914 UL     |
| 5 1-4           | N<br>s.v. | 886011<br>886032 | .1     | OIL RADIATOR SET              | (1)g<br>ad       | (1)g<br>ad |            | (1)g<br>ad | (1)g<br>ad |            | (1)g<br>ad |
| 1-4             | N<br>s.v. | 886012<br>886033 | .1     | OIL RADIATOR SET              | (1)g<br>bd       | (1)g<br>bd | (1)g<br>bd | (1)g<br>bd | (1)g<br>bd |            | (1)g<br>bd |
| 1-4             | N<br>s.v. | 886013<br>886034 | .1     | OIL RADIATOR SET METRIC       | (1)c<br>dg       | (1)c<br>dg | (1)c<br>dg | (1)c<br>dg | (1)c<br>dg | (1)c<br>dg | (1)c<br>dg |
| 1,2,<br>3,9     | N<br>s.v. | 886015<br>886036 | .1     | OIL RADIATOR SET UNF          | (1)e<br>cg       | (1)e<br>cg | (1)e<br>cg | (1)e<br>cg | (1)e<br>cg | (1)e<br>cg | (1)e<br>cg |
| 1               | N<br>s.v. | 886001<br>886000 | .2     | OIL RADIATOR                  | (1)a<br>fg       | (1)a<br>fg |            | (1)a<br>fg |            |            |            |
| 1               | N<br>s.v. | 886003<br>886002 | .2     | OIL RADIATOR                  | (1)b<br>fg       | (1)b<br>fg | (1)b<br>fg | (1)b<br>fg | (1)b<br>fg |            |            |
| 1               | N<br>s.v. | 886005<br>886004 | .2     | OIL RADIATOR                  | (1)c<br>fg       | (1)c<br>fg | (1)c<br>fg | (1)c<br>fg | (1)c<br>fg | (1)c<br>fg | (1)c<br>fg |
| 2               | N         | 242873           | .2     | HEX NUT M22x1.5               | (4)h             | (4)h       | (4)h       | (4)h       | (4)h       | (4)h       | (4)h       |
| 2               | s.v.      | 242879           | .2     | HEX NUT M22x1.5               | (4)h             | (4)h       | (4)h       | (4)h       | (4)h       | (4)h       | (4)h       |
| 3               |           | 230387           | .2     | GASKET RING 14.2/18/2         | (2)h             | (2)h       | (2)h       | (2)h       | (2)h       | (2)h       | (2)h       |
| 4               |           | 840461           | .2     | NIPPLE 13.2/9.5-M14x1.5       | (2)h             | (2)h       | (2)h       | (2)h       | (2)h       | (2)h       | (2)h       |
| 5               |           | 956577           | .1     | ADAPTER M18x1.5/M14x1.5       | (2)h             | (2)h       | (2)h       | (2)h       | (2)h       | (2)i       | (2)h       |
| 6               |           | 956580           | .1     | BENT SOCKET ASSY.             | ARh              | ARh        | ARh        | ARh        | ARh        | ARh        | ARh        |
| 7               |           | 924585           | .1     | ANGULAR TUBE M14x1.5          | ARh              | ARh        | ARh        | ARh        | ARh        | ARh        | ARh        |
| 8               |           | 956610           | .1     | HOSE NIPPLE WITH UNION NUT    | ARh              | ARh        | ARh        | ARh        | ARh        | ARh        | ARh        |
| 9               |           | 956643           | .1     | ADAPTER 3/4-16 UNF/M14x1.5    | (2)h             | (2)h       | (2)h       | (2)h       | (2)h       | (2)h       | (2)h       |
| 3,5,<br>8       |           | 956615           | .1     | SCREW CONNECTION SET STRAIGHT | (1)h             | (1)h       | (1)h       | (1)h       | (1)h       | (1)h       | (1)h       |

- Items not illustrated

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| FIG. &<br>ITEM NO. | STATUS | PART<br>NO. | INDENT | Description                    | Parts per Engine |       |       |        |         |       |        |
|--------------------|--------|-------------|--------|--------------------------------|------------------|-------|-------|--------|---------|-------|--------|
|                    |        |             |        |                                | 912 A            | 912 F | 912 S | 912 UL | 912 ULS | 914 F | 914 UL |
| 3,5,<br>6          |        | 956585      | .1     | SCREW CONNECTION SET<br>BENT   | (1)h             | (1)h  | (1)h  | (1)h   | (1)h    | (1)h  | (1)h   |
| 2,3,<br>9          |        | 956645      | .1     | SCREW CONNECTION SET<br>UNF    | (1)h             | (1)h  | (1)h  | (1)h   | (1)h    | (1)h  | (1)h   |
| 10                 |        | 250735      | .1     | GASKET RING A 14x20            | (2)h             | (2)h  | (2)h  | (2)h   | (2)h    | (2)h  | (2)h   |
| 11                 |        | 956685      | .1     | ADAPTER M22x1.5/M22x1.5        | (2)h             | (2)h  | (2)h  | (2)h   | (2)h    | (2)h  | (2)h   |
| 12                 |        | 956680      | .1     | Adapter 7/8-14 UNF/<br>M22x1.5 | (2)h             | (2)h  | (2)h  | (2)h   | (2)h    | (2)h  | (2)h   |

- Items not illustrated

- a Cooling area 125 cm<sup>2</sup> / 19.38 sq in
- b Cooling area 142 cm<sup>2</sup> / 22 sq in
- c Cooling area 234 cm<sup>2</sup> / 36.27 sq in
- d Metric connections
- e UNF connections
- f Height of connectors for 5 mm reduced
- g See SI-912-024, SI-912 i-008, SI-914-025
- h See SI-PAC-013

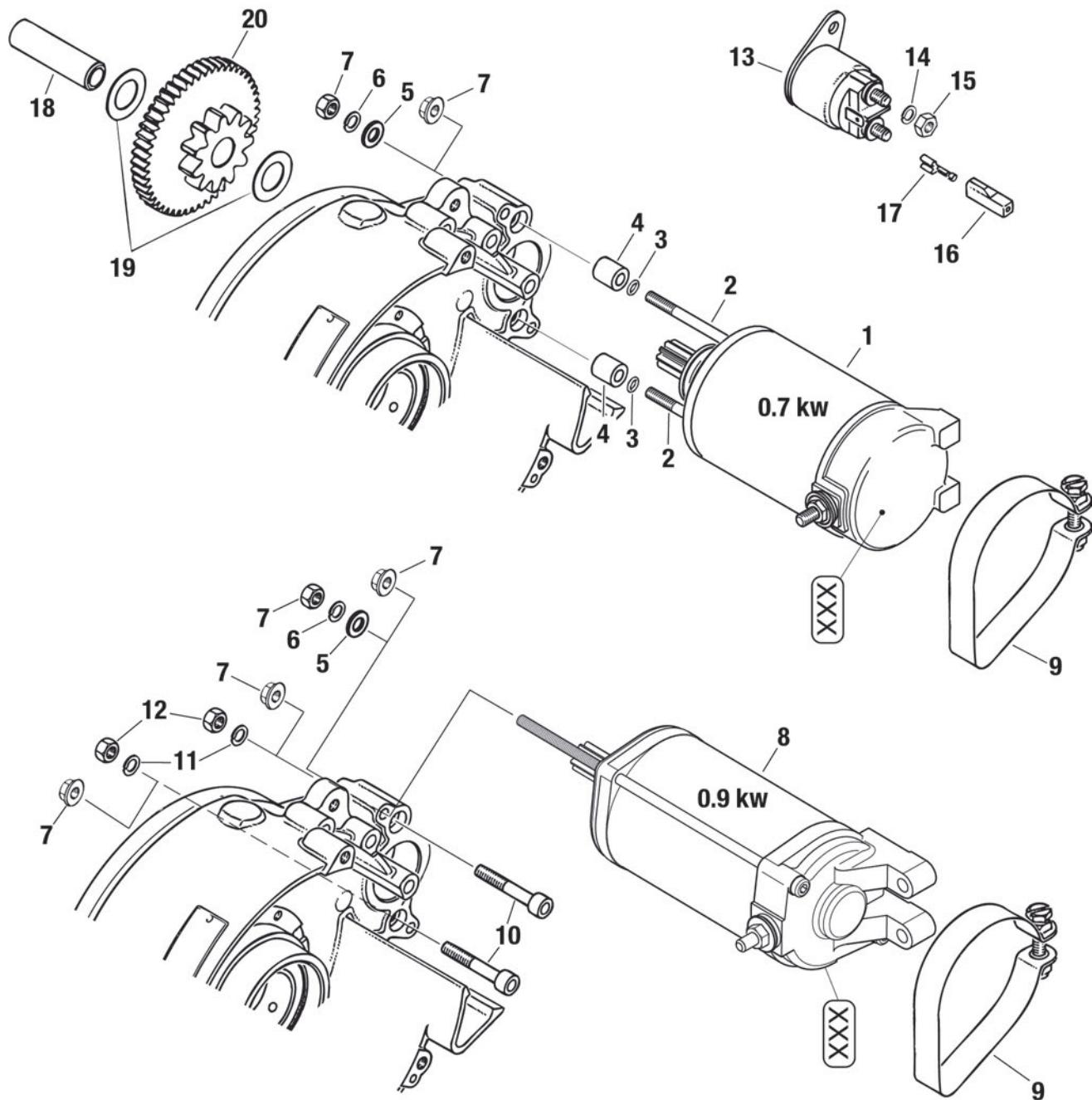
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**Fig. 80-10-00-1**

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**Chapter) 80-10-00**  
**ELECTRIC STARTER, STARTER RELAY**

| FIG. & ITEM NO. | STATUS    | PART NO.         | INDENT | Description               | Parts per Engine |       |       |        |         |       |        |
|-----------------|-----------|------------------|--------|---------------------------|------------------|-------|-------|--------|---------|-------|--------|
|                 |           |                  |        |                           | 912 A            | 912 F | 912 S | 912 UL | 912 ULS | 914 F | 914 UL |
| 1 1-7           |           | 685974           | .1     | ELECTRIC STARTER SET      | 1c               | 1c    | 1c    | 1c     | 1c      | 1c    | 1c     |
| 2               | N<br>s.v. | 840636<br>840635 | .2     | STUD M5x150/16            | 2                | 2     | 2     | 2      | 2       | 2     | 2      |
| 3               |           | 950420           | .2     | O-RING 5x1.5-N            | 2                | 2     | 2     | 2      | 2       | 2     | 2      |
| 4               |           | 847248           | .2     | SPACER 5.4/10/12          | 2                | 2     | 2     | 2      | 2       | 2     | 2      |
| 5               | N<br>s.v. | 927574<br>927571 | .2     | WASHER 5.3                | 2d               | 2d    | 2d    | 2d     | 2d      | 2d    | 2d     |
| 6               | n.a.      | 945830<br>945750 | .2     | LOCK WASHER A5            | 2d               | 2d    | 2d    | 2d     | 2d      | 2d    | 2d     |
| 7               | n.a.      | 242071           | .2     | HEX. NUT M5               | 2d               | 2d    | 2d    | 2d     | 2d      | 2d    | 2d     |
| 7               |           | 942311           | .2     | HEX. NUT M5               | 4                | 4     | 4     | 4      | 4       | 4     | 4      |
| 8,7,5<br>9,10   |           | 889751           | .1     | ELECTRIC STARTER SET      | 1a               | 1a    | 1a    | 1a     | 1a      | 1a    | 1a     |
| 9               |           | 851020           | .2     | CLAMP 76                  | 1b               | 1b    | 1b    | 1b     | 1b      | 1b    | 1b     |
| 10              | N<br>s.v. | 941792<br>941791 | .2     | ALLEN SCREW M5x45         | 2                | 2     | 2     | 2      | 2       | 2     | 2      |
| 11              | n.a       | 945830<br>945750 | .2     | LOCK WASHER A5            | 2d               | 2d    | 2d    | 2d     | 2d      | 2d    | 2d     |
| 12              | n.a       | 842030           | .2     | LOCK NUT M5               | 2d               | 2d    | 2d    | 2d     | 2d      | 2d    | 2d     |
| 13-15           |           | 992818           | .1     | STARTER RELAY ASSY.       | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 14              | N<br>s.v. | 945831<br>945751 | .1     | LOCK WASHER A6            | 2                | 2     | 2     | 2      | 2       | 2     | 2      |
| 15              | N<br>s.v. | 242214<br>242211 | .1     | HEX. NUT M6               | 2                | 2     | 2     | 2      | 2       | 2     | 2      |
| 16              |           | 960719           | .1     | CONNECTOR SHEATH          | 1e               | 1e    | 1e    | 1e     | 1e      | 1e    | 1e     |
| 17              |           | 864011           | .1     | FASTON CONNECTOR 6.3x0.8  | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 18              |           | 837102           | .1     | IDLE GEAR SHAFT           | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
| 19              |           | 827261           | .1     | THRUST WASHER 12.5/21.5/1 | 2                | 2     | 2     | 2      | 2       | 2     | 2      |

- Items not illustrated

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| FIG. & ITEM<br>NO. | STATUS | PART<br>NO. | INDENT | Description       | Parts per Engine |       |       |        |         |       |        |
|--------------------|--------|-------------|--------|-------------------|------------------|-------|-------|--------|---------|-------|--------|
|                    |        |             |        |                   | 912 A            | 912 F | 912 S | 912 UL | 912 ULS | 914 F | 914 UL |
| 20                 |        | 834156      | .1     | IDLE GEAR 50/11 T | 1                | 1     | 1     | 1      | 1       | 1     | 1      |

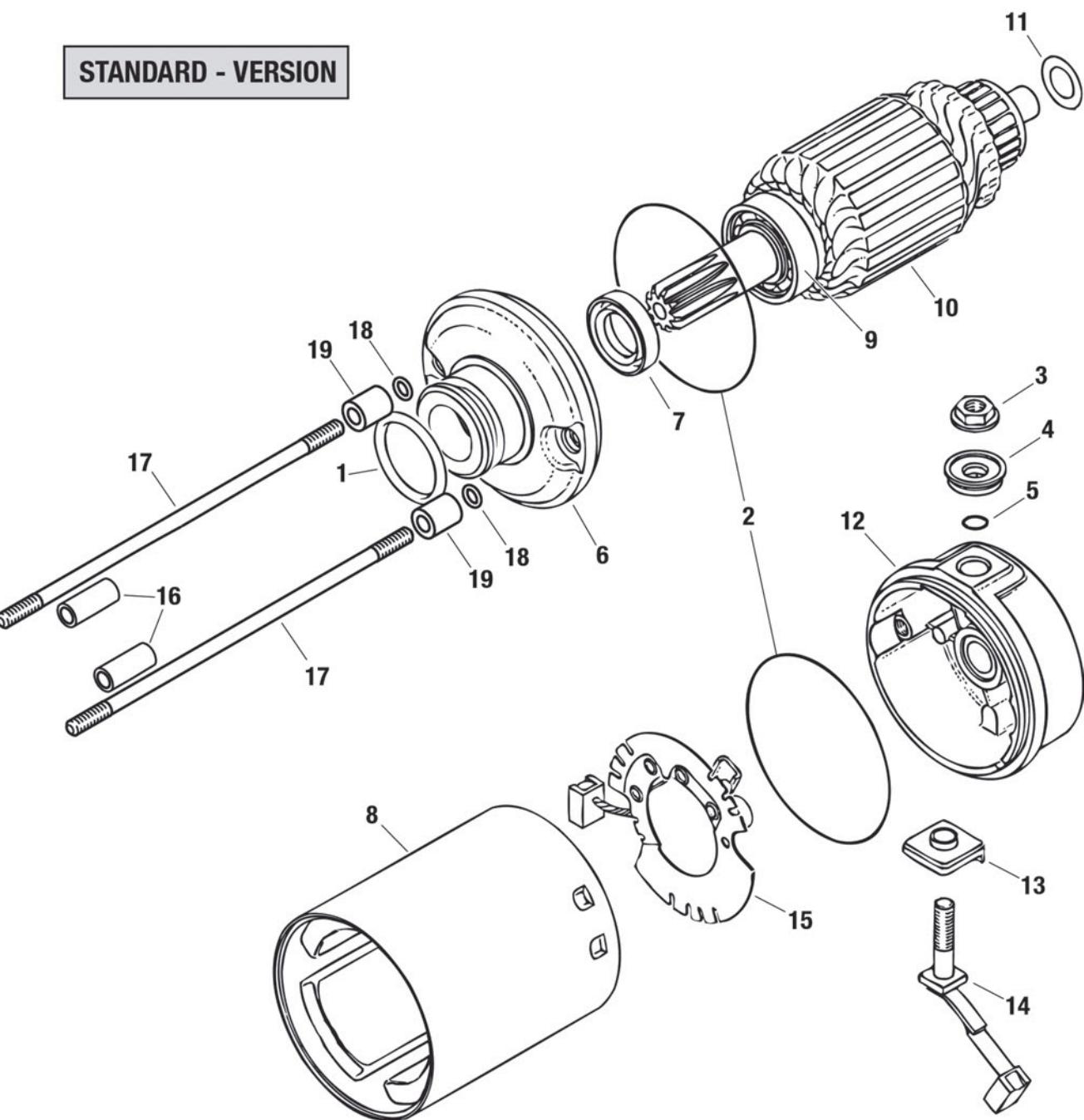
- Items not illustrated

- a See therefore  
SB-912-037 current issue  
SB-914-023
- b will be delivered in circle shape
- c standard starter 0.7 kW
- d Washer, lock washer and hex. nut replaced by part no. 942311 hex. nut M5
- e not with Form 1

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**Fig. 80-10-00-2**

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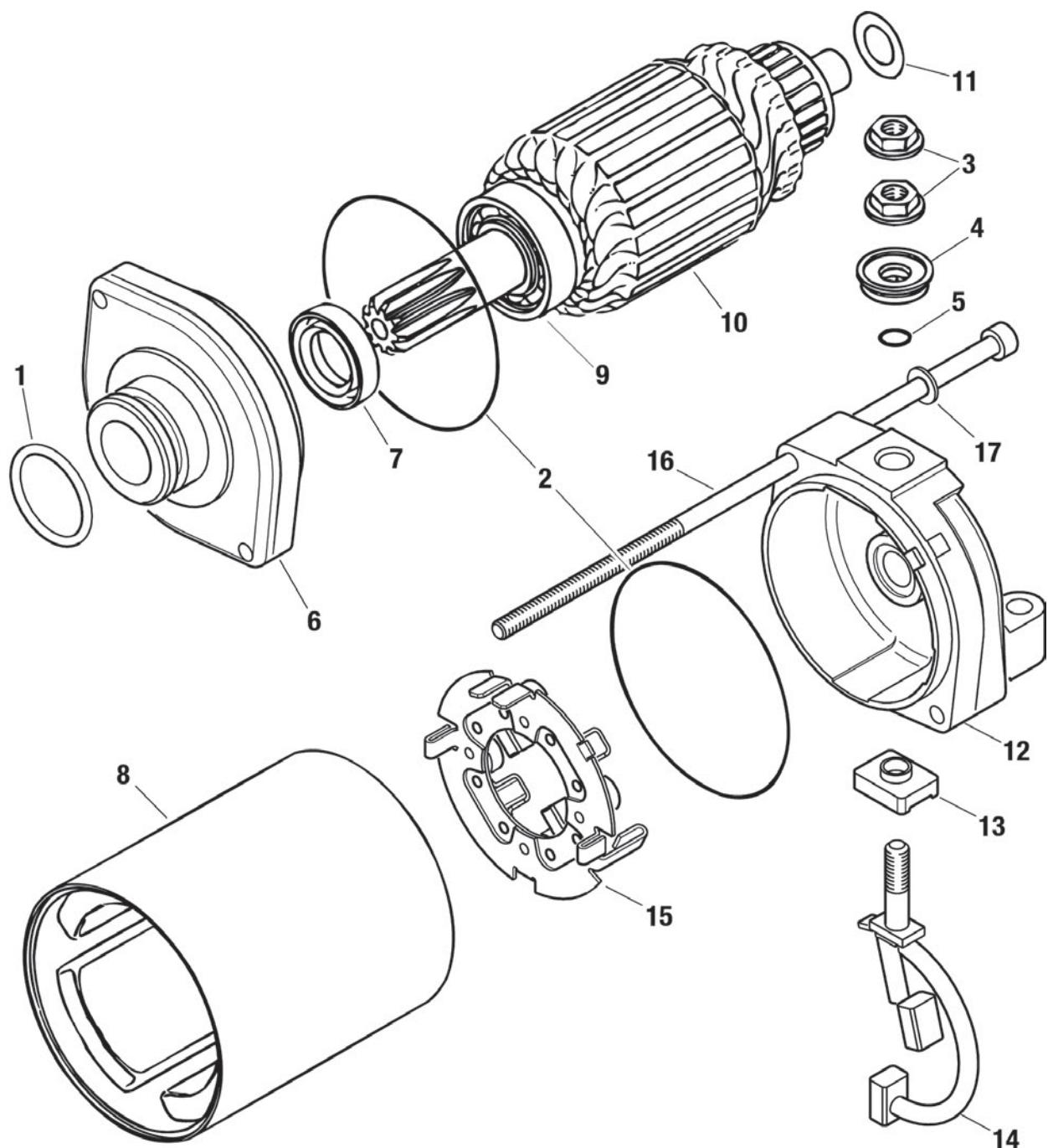
**ELECTRIC STARTER, STARTER RELAY**

| FIG. &<br>ITEM NO. | STATUS | PART<br>NO. | INDENT | Description                   | Parts per Engine |       |       |        |         |       |        |
|--------------------|--------|-------------|--------|-------------------------------|------------------|-------|-------|--------|---------|-------|--------|
|                    |        |             |        |                               | 912 A            | 912 F | 912 S | 912 UL | 912 ULS | 914 F | 914 UL |
| 2                  | 1-19   | xxxxxx      | .1     | See fig.1 pos. 1              | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
|                    | 1      | 250140      | .2     | O-RING 24.4x3.1               | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
|                    | 2      | 850500      | .2     | O-RING 62x1.5                 | 2                | 2     | 2     | 2      | 2       | 2     | 2      |
|                    | 3      | 242780      | .2     | COMBINED NUT M6               | 1                | 1     | 1     | 1      | 1       | 1     | 4      |
|                    | 4      | 260800      | .2     | CONNECTOR SHEATH              | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
|                    | 5      | 230530      | .2     | O-RING 6x1.7                  | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
|                    | 6      | n.a.        | .2     | SUPPORT                       | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
|                    | 7      | 250130      | .2     | OIL SEAL 15x24x5              | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
|                    | 8      | n.a.        | .2     | STATOR YOKE ASSY.             | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
|                    | 9      | 232260      | .2     | BALL BEARING 6002 Z / 15-32-9 | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
|                    | 10     | n.a.        | .2     | ROTOR ASSY.                   | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
|                    | 11     | 827600      | .2     | SHIM                          | AR               | AR    | AR    | AR     | AR      | AR    | AR     |
|                    | 12     | n.a.        | .2     | ROTOR SUPPORT ASSY.           | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
|                    | 13     | 260810      | .2     | CONNECTOR SHEATH              | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
|                    | 14     | 264180      | .2     | CARBON BRUSH ASSY.            | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
|                    | 15     | 866890      | .2     | BRUSH HOLDER WITH SPRINGS     | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
|                    | 16     | 974524      | .2     | DISTANCE HOSE 45 MM           | 1a               | 1a    | 1a    | 1a     | 1a      | 1a    | 1a     |
|                    | 17     | xxxxxx      | .2     | See fig. 1 / pos. 2           | 2                | 2     | 2     | 2      | 2       | 2     | 2      |
|                    | 18     | xxxxxx      | .2     | See fig. 1 / pos. 3           | 2                | 2     | 2     | 2      | 2       | 2     | 2      |
|                    | 19     | xxxxxx      | .2     | See fig. 1 / pos. 4           | 2                | 2     | 2     | 2      | 2       | 2     | 2      |

- Items not illustrated

a Only for transport

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**Fig. 80-10-00-3**

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**Chapter) 80-10-00**  
**E-STARTER SINGLE PARTS**

| FIG. & ITEM NO. | STATUS        | PART NO.  | INDENT           | Description                   | Parts per Engine |       |       |        |         |       |        |
|-----------------|---------------|-----------|------------------|-------------------------------|------------------|-------|-------|--------|---------|-------|--------|
|                 |               |           |                  |                               | 912 A            | 912 F | 912 S | 912 UL | 912 ULS | 914 F | 914 UL |
| 3               | 1-17          | xxxxxx    | .1               | See fig. 1 pos. 8             | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
|                 | 1             | 250140    | .2               | O-RING 24.4X3.1-N NBR70       | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
|                 | 2             | 850500    | .2               | O-RING 62-1.5                 | 2                | 2     | 2     | 2      | 2       | 2     | 2      |
|                 | 3             | 242780    | .2               | COMBINED NUT M6               | 2                | 2     | 2     | 2      | 2       | 2     | 2      |
|                 | 4             | 260800    | .2               | CONNECTOR SHEATH              | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
|                 | 5             | 230530    | .2               | O-RING 6X1.7                  | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
|                 | 6             | n.a.      | .2               | SUPPORT                       | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
|                 | 7             | 250130    | .2               | OIL SEAL 15X24X5 NBR          | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
|                 | 8             | n.a.      | .2               | STATOR YOKE ASSY.             | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
|                 | 9             | 232260    | .2               | BALL BEARING 6002 Z / 15-32-9 | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
|                 | 10            | n.a.      | .2               | ROTOR ASSY.                   | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
|                 | 11            | 827600    | .2               | SHIM                          | AR               | AR    | AR    | AR     | AR      | AR    | AR     |
|                 | 12-15,<br>1-5 | 294354    | .2               | ELECTRIC STARTER REPAIR KIT   | 1                | 1     | 1     | 1      | 1       | 1     | 1      |
|                 | 12            | n.a.      | .2               | ROTOR SUPPORT ASSY.           | 1a               | 1a    | 1a    | 1a     | 1a      | 1a    | 1a     |
|                 | 13            | n.a.      | .2               | CONNECTOR SHEATH              | 1a               | 1a    | 1a    | 1a     | 1a      | 1a    | 1a     |
|                 | 14            | n.a.      | .2               | CARBON BRUSH ASSY.            | 1a               | 1a    | 1a    | 1a     | 1a      | 1a    | 1a     |
|                 | 15            | n.a.      | .2               | BRUSH HOLDER WITH SPRINGS     | 1a               | 1a    | 1a    | 1a     | 1a      | 1a    | 1a     |
|                 | 16            | N<br>s.v. | 440587<br>440586 | ALLEN SCREW M5X180            | 2                | 2     | 2     | 2      | 2       | 2     | 2      |
|                 | 17            | N<br>s.v. | 927574<br>927571 | WASHER 5.3                    | 2                | 2     | 2     | 2      | 2       | 2     | 2      |

- Items not illustrated

- a Not available as single spare part. Use electric starter kit part no. 294354.

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# ROTAX®

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Engine serial no.

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Type of aircraft

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Aircraft registration no.



Rotax® authorized distributor



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