# **Special tools**





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### **STRUCTURE**

**TOOLS, GENERAL** 

0

**CAB** 

1

**ENGINE** 

2

**GEARBOX** 

3

**FUEL SYSTEM** 

4

**ELECTRICAL COMPONENTS** 

**BRAKES** 

5

**STEERING AND AXLES** 

7

**DIFFERENTIAL GEAR** 

8

**CHASSIS** 

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**Preface** 

#### **PREFACE**

DAF Trucks N.V. attaches great importance to optimal After Sales Support.

In order to maintain and continue to optimise the high standard of the service level, special tools will where necessary be developed by DAF in addition to the standard tools that are commercially available, for the purpose of quality, efficiency, safety, etc.

This manual contains all the special tools released by DAF for vehicle series F45, F55, F65, F75, F85, F95, 65CF, 75CF, 85CF, 95XF, LF45, LF55, CF65, CF75, CF85 and XF95.

All parts contained in this manual can be ordered in the manner as is usual for DAF parts.

If you have any remarks or suggestions concerning the contents, structure or composition of this special tools manual, we will be pleased to hear from you.

DAF TRUCKS AFTER SALES PUBLICATIONS Preface

Directions for use

#### **DIRECTIONS FOR USE**

The basic arrangement of the special tools manual is virtually the same as the arrangement of the workshop manual.

Groups 1 to 9 contain the special tools for the respective main component.

Group 0 (General) contains universal special tools and special tools used in several groups.

#### Note:

If a special tool does not occur in the relevant section, look in group 0 (General).

The special tool in question is then one that occurs in several groups.

At the beginning of every group there is a table of contents containing the following columns

- DAF code number
- Relevant vehicle series
- Relevant main components
- Page number

If a tool is used for a main component or vehicle series, this is indicated by a code in the column (1-2-3-R). This code has the following meaning:

- 1 tool for carrying out maintenance work and repair work resulting from it.
- 2 tool for frequently recurring work.
- 3 tool for less frequently recurring work.
- R replacement part of a tool.

Explanations of the abbreviations used in the tables are:

i.c.w.	in combination with
A_1000/ 2000	Allison 1000/2000
TS12612	Twin Splitter 12612
E.PTO	Version with power take-off
HGS	Gearbox with Hydraulic Gear Shift
Voith-ret.	Version with Voith retarder
150_S/152_S/156_S/182_S/186_S	150N/152N/156N/182N/186N-shaft in disc brake version
150N/152N/156N/182N/186N	150N/152N/156N/182N/186N-shaft in dum brake version
09G075	Co-steering rear axle
09N075/09N220	Trailing rear axle in drum brake version
09N044	Leading rear axle (FTP vehicle type)
EMAS	Electro-hydraulic multi-axle steering
EVS	Electronic vehicle steering
RAS-EC	Rear axle steering - electronically controlled
ST_TRW	TRW steering boxes
ST_ZF	ZF steering boxes

Directions for use

#### **USE OF TABLE OF CONTENTS**

At the beginning of every group there is a table of contents containing the following columns:

- DAF code number of the special tool
- relevant vehicle series
- relevant main components or systems
- page number of the figure

If a tool is used for a main component, system or vehicle series, this is indicated by a code in the column (1-2-3-R).

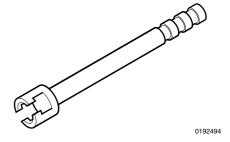
This code has the following meaning:

- 1 tool for carrying out maintenance work and repair work resulting from it.
- 2 tool for frequently recurring work.
- 3 tool for less frequently recurring work.
- R replacement part of a tool.

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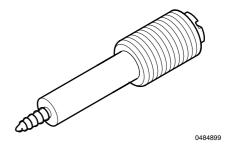
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Extension piece for pump timing distribution pin



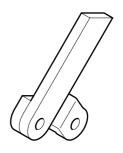
#### 0484899

Adapter for puller for removing oil seals



### 0484977

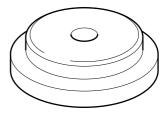
Universal flange blocking holder for driveline



0484977

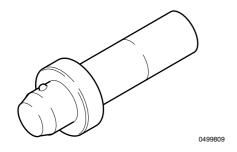
### 0499802

Front axle hub seal installer (i.c.w. 0499809)



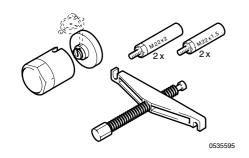
#### 0499809

Universal handle



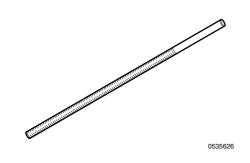
#### 0535595

Wheel-bearing play inspection tool (without micrometer gauge)



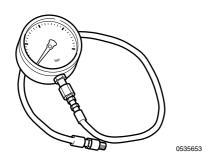
#### 0535626

Stud, spare part for cylinder lining remover (part of 0535625) and stud for fitting bearings for UPEC pump housing (i.c.w. 1329444)



### 0535653

Hydraulic fluid pressure gauge for measuring control pressures



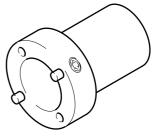
Adjusting tool for lock nut on front axle hubs



0535832

#### 0694783

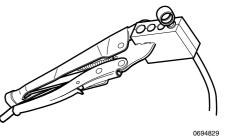
Hub nut adjuster for wheel bearing of front axle hubs



0694783

### 0694829

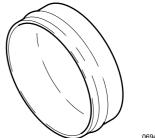
Pliers for mounting inserts in polyamide pipes



0694829

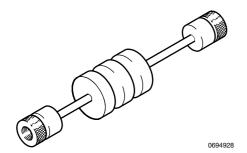
### 0694831

Boost pressure socket



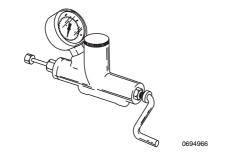
N

0694928 Impact puller



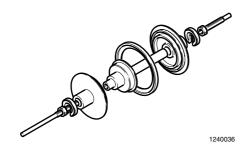
### 0694966

Injector tester



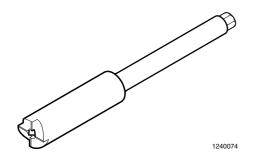
### 1240036

Tool for fitting hub seal/ABS sensor ring

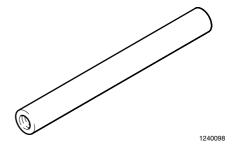


### 1240074

Injector sleeve cleaner



Centring spindle (part of 1240036)



### 1240108

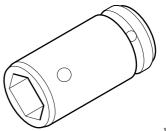
Torx bit T70 (5/8") (part of 1240112)



1240108

### 1240109

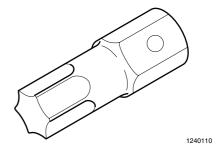
Bit holder (5/8") (part of 1240112)



1240109

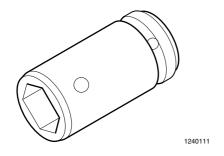
### 1240110

Torx bit T100 (part of 1240113)



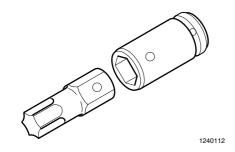
#### 1240111

Torx bit holder (part of 1240113)



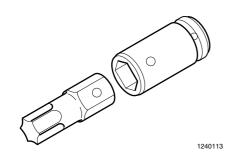
### 1240112

Torx bit T70 (5/8") and bit holder (5/8")



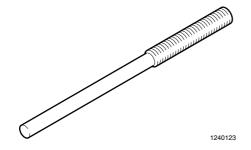
### 1240113

Torx bit T100 (7/8") and bit holder (7/8")

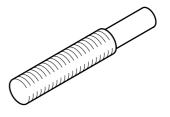


### 1240123

Stud (part of 1240036)



Stud (part of 1240036)



1240124

### 1240125

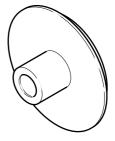
Retaining plate (part of 1240036)



1240125

### 1240126

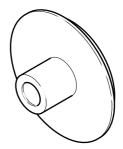
Centring flange (part of 1240036)



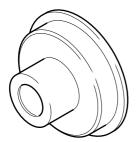
1240126

### 1240127

Centring flange (part of 1240036)



Centring flange (part of 1240036)



1240128

### 1240129

Centring flange (part of 1240036)



1240129

# 1240130

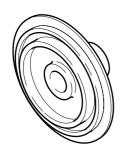
Centring flange (part of 1240036)



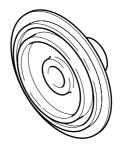
1240130

### 1240131

Retractable flange (part of 1240036)



Retractable flange (part of 1240036)



1240132

### 1240133

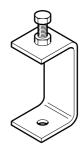
Dummy ABS toothed lock washer (part of 1240036)



1240133

# 1240445

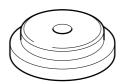
Puller for steering column hinge pin



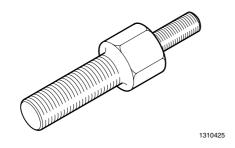
1240445

### 1240500

Front axle hub seal installer (i.c.w. 0499809)

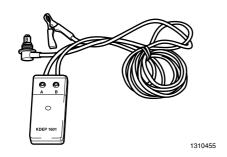


Injector sleeve puller



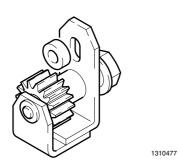
### 1310455

Adjusting tool for injection timing (RIC-2)



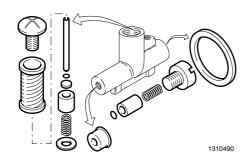
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Engine cranking tool

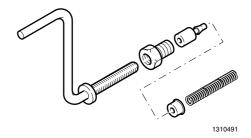


### 1310490

Service kit A (for 0694966)

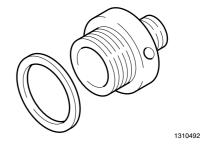


Service kit B (for 0694966)



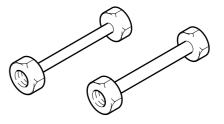
### 1310492

Service kit C (for 0694966)



### 1310493

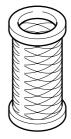
Service kit D (for 0694966)



1310493

### 1310494

Filter (part of 0694966)



#### 1310495

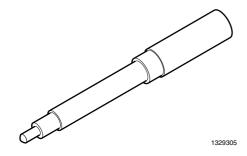
Pressure gauge (part of 0694966)



1310495

### 1329305

Injector sleeve driving tool



### 1329308

Fuel pump prop shaft seal installer



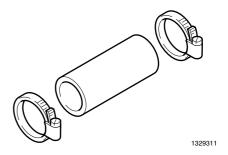
1329308

### 1329310

Boost pressure socket

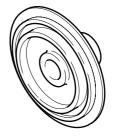


Hose and 2x hose clamp (i.c.w. 1329310)



### 1329312

Retractable flange (part of 1240036)



1329312

### 1329313

Centring flange (part of 1240036)



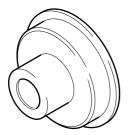
1329313

### 1329314

Centring flange (part of 1240036)



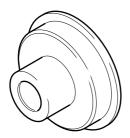
Centring flange (part of 1240036)



1329315

# 1329316

Centring flange (part of 1240036)



1329316

#### 1329317

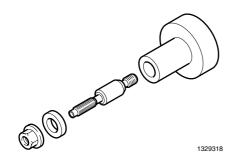
Dummy ABS ring (part of 1240036)



1329317

### 1329318

Timing gear end fuel pump housing seal installer



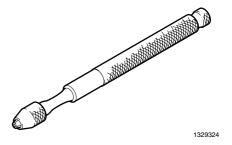
Injector cleaning brush (part of 1329371)



1329323

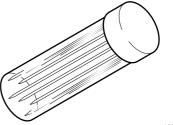
#### 1329324

Cleaning needle holder (part of 1329371)



#### 1329325

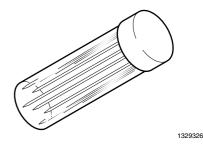
Injector cleaning needle 0.16 mm for injector nozzle 0.20 mm (part of 1329371)



1329325

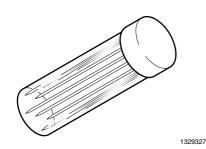
### 1329326

Injector cleaning needle 0.18 mm for injector nozzle 0.22 mm (part of 1329371)



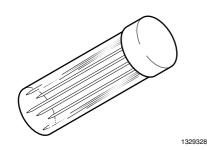
**TOOLS, GENERAL** 

Injector cleaning needle 0.20 mm for injector nozzle 0.24 mm (part of 1329371)



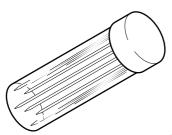
#### 1329328

Injector cleaning needle 0.22 mm for injector nozzle 0.26 mm (part of 1329371)



#### 1329329

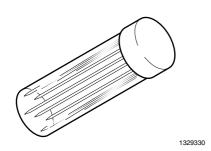
Injector cleaning needle 0.24 mm for injector nozzle 0.28 mm (part of 1329371)



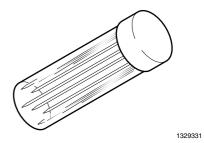
#### 1329329

#### 1329330

Injector cleaning needle 0.26 mm for injector nozzle 0.30 mm (part of 1329371)

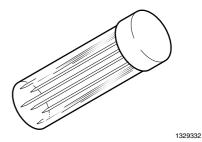


Injector cleaning needle 0.28 mm for injector nozzle 0.32 mm (part of 1329371)



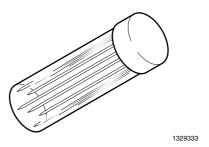
#### 1329332

Injector cleaning needle 0.30 mm for injector nozzle 0.34 mm (part of 1329371)



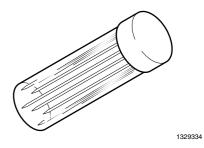
#### 1329333

Injector cleaning needle 0.32 mm for injector nozzle 0.36 mm (part of 1329371)

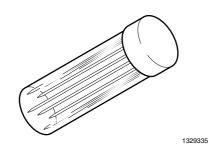


#### 1329334

Injector cleaning needle 0.34 mm for injector nozzle 0.38 mm (part of 1329371)

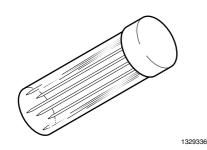


Injector cleaning needle 0.36 mm for injector nozzle 0.40 mm (part of 1329371)



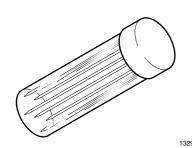
### 1329336

Injector cleaning needle 0.38 mm for injector nozzle 0.42 mm (part of 1329371)



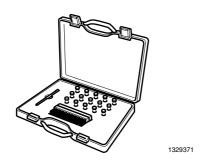
#### 1329337

Injector cleaning needle 0.40 mm for injector nozzle 0.44 mm (part of 1329371)



# 1329371

Injector cleaning box (ultrasonic cleaning)



Injector cleaning box, empty (part of 1329371)



1329372

#### 1329411

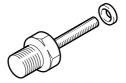
Adapter for seal/sensor ring puller



1329411

#### 1329412

Adapter for puller for injector and sun cap nuts



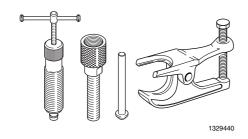
1329412

# 1329414

Retractable flange shim (part of 1240036)



Steering ball joint bolt puller (supersedes 0485122)



### 1329444

Installer set for UPEC pump housing bearings

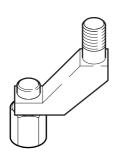




1329444

### 1329448

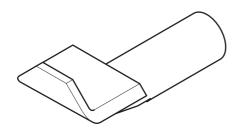
UPEC system pump unit adapter



1329448

### 1329458

Seal puller



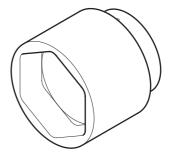
Front axle socket guide (i.c.w. 1329468, 1452749) (part of 1329496)



1329467

### 1329468

Socket for front axle 9T 90 mm (i.c.w. 1329467) (part of 1329496)



1329468

### 1329470

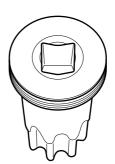
Voss 246 clutch disassembly tool



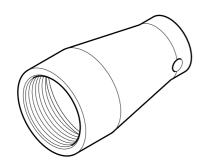
1329470

### 1329479

Crankshaft cranking tool



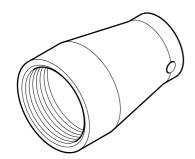
Guide sleeve disassembly/assembly front axle hub 7.5 tonnes (part of 1329496)



1329482

### 1329483

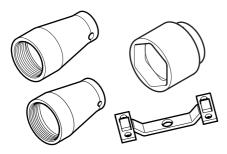
Guide sleeve disassembly/assembly front axle hub 9 tonnes (part of 1329496)



1329483

#### 1329496

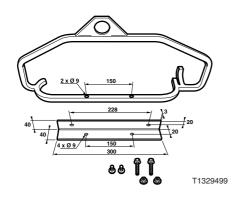
Set of disassembly/assembly tools for front and rear axles



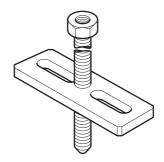
1329496

### 1329499

Hoisting tool for UPEC pump housing, version 1+2



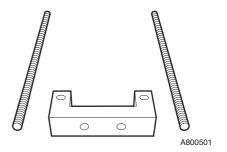
Steering wheel puller



T1451995

### 1453150

King-pin puller adapter (i.c.w. 1453127)



### 1453153

Lifting eye, general



G000314

#### **USE OF TABLE OF CONTENTS**

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DAF no.	F45	F55	LF45	LF55	F65	F75	F85	65CF	75CF	85CF	CF65	CF75	CF85	F95	95XF	XF95	Page
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1329471			1	1													44
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#### 0068325

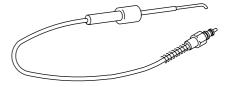
Cab prewax lance, flexible (part of 0689779)



0068325

#### 0068326

Cab prewax lance, short (part of 0689779)



0068326

#### 0068327

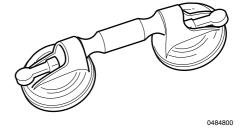
Cab prewax lance, long, angled (part of 0689779)



0068327

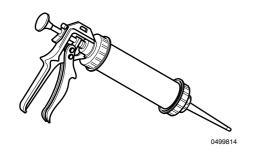
#### 0484800

Suction pad set for removing and fitting front windscreen



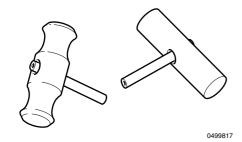
## 0499814

Sealant gun



## 0499817

Cutting wire handle (i.c.w. 1329415)



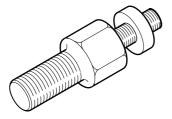
#### 0689779

Cab prewax set

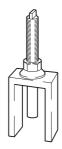


## 0694929

Cab stabiliser pin removal adapter (i.c.w. 0694928)



Cab shock absorber spring removal fork



0694931

#### 0694943

Cab hoisting hook (front)



0694943

#### 1240066

Cab bearing centring pin for centring cab stabiliser vibration damper (part of 1240079)



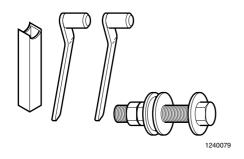
1240066

#### 1240067

Cab bearing centring pin for centring cab stabiliser vibration damper (part of 1240079)

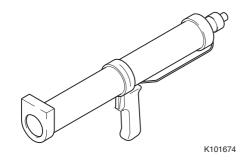


Cab bearing installer



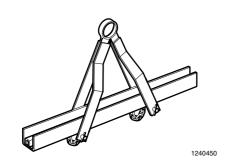
## 1240444

Glue gun, pneumatic



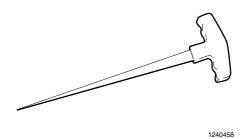
## 1240450

Cab hoisting hook (front)



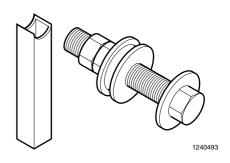
#### 1240458

Cutting wire guide for disassembling bonded windscreen



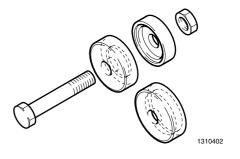
#### 1240493

Cab bearing press for fitting cab stabiliser bearing bushes (part of 1240079)



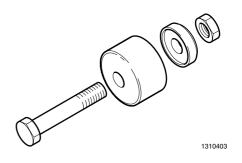
#### 1310402

Puller for fitting cab stabiliser silent blocks



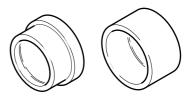
## 1310403

Puller for removing cab stabiliser silent blocks



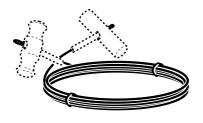
#### 1329401

Ejector and pressing tools for cab suspension silent block



#### 1329415

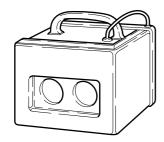
Cutting wire for cutting bonded windscreen (i.c.w. 0499817)



1329415

## 1329416

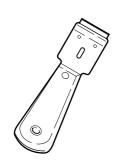
Bonding oven



K101723

#### 1329417

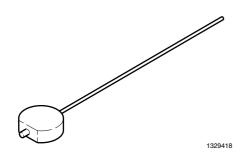
Bonding scraper for removing remains in window groove



1329417

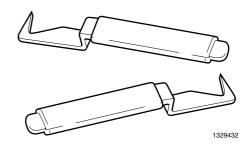
#### 1329418

Cutting wire guide for disassembling bonded windscreen



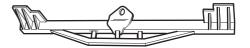
#### 1329432

Distance block puller, front windscreen



## 1329438

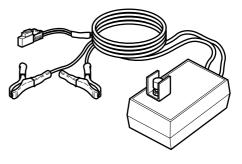
Lifting yoke



K101676

## 1329457

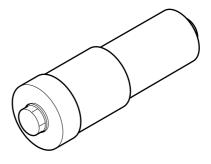
Airbag and seat belt tensioner activation tool



K101687

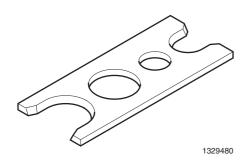
## 1329471

Ejector and pressing tools for cab suspension silent block



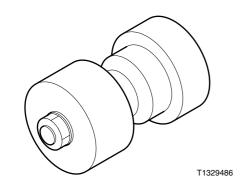
#### 1329480

Disassembly and assembly tools for O-ring airconditioning unit



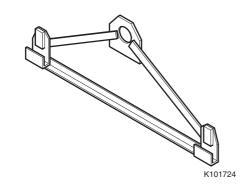
#### 1329486

Ejector and pressing tools for cab suspension silent block



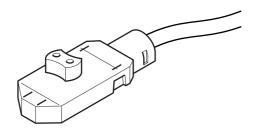
#### 1329487

Lifting yoke, cab front



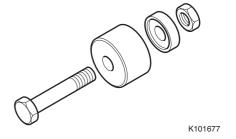
## 1329492

Spare plug for airbag and seat belt tensioner activation tool



K101688

Pressing silent blocks



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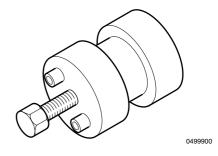
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0535077												52
0535144	3			3								52
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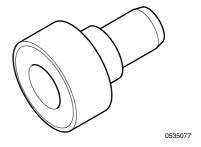
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Puller for removing fuel pump drive sprocket



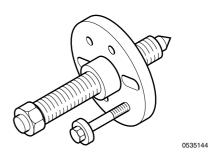
#### 0535077

Adapter for crankshaft gear puller / vibration damper driving tool (i.c.w. 0535144 or 0535987)



#### 0535144

Puller for removing camshaft gear



## 0535551

Oil pressure gauge



#### 0535594

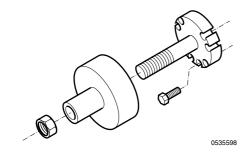
Camshaft bearing thrust plate centring sleeve



0535594

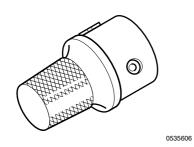
## 0535598

Press for fitting rear crankshaft seal



#### 0535606

Camshaft bearing driving tool



## 0535625

Cylinder lining puller

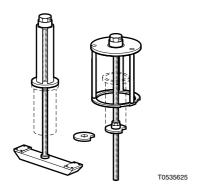
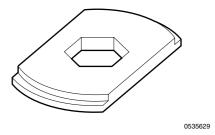
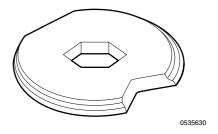


Plate (part of 0535625)



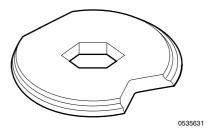
## 0535630

Plate (part of 0535625)



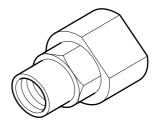
## 0535631

Plate (part of 0535625)



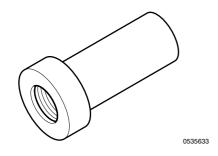
## 0535632

Threaded spindle nut (part of 0535625)



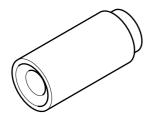
#### 0535633

Threaded spindle nut (part of 0535625)



## 0535655

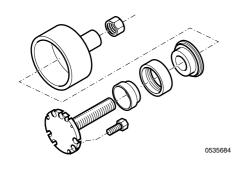
Water pump seal driving tool



0535655

#### 0535684

Press for fitting rear crankshaft seal

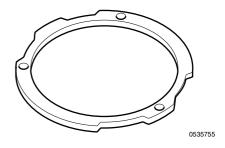


## 0535699

Camshaft bearing driving tool

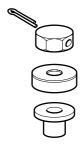


Plate (part of 0535625)



## 0535937

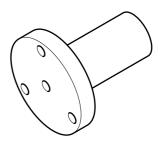
Bearing set (part of 0535625)



0535937

#### 0535987

Vibration damper driving tool (i.c.w. 0535077)



0535987

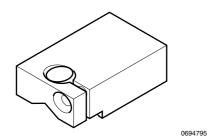
## 0694714

Press for fitting front crankshaft seal



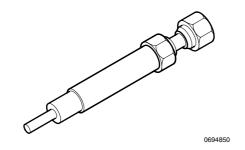
#### 0694795

Cylinder lining height gauge block



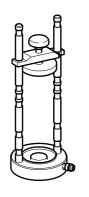
0694850

Dummy injector (i.c.w. 1329301)



#### 0694889

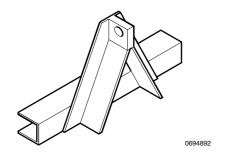
Oil cooler pressure-test tool

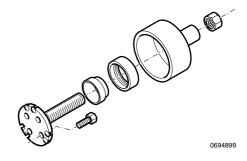


T0694889

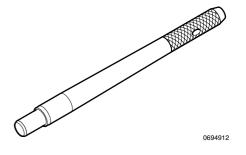
#### 0694892

Hoisting tool for removing and installing cylinder head



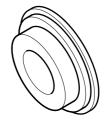


Guide pin for positioning cylinder head



## 0694914

Front crankshaft seal installer



0694914

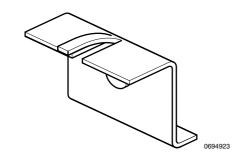
## 0694921

Thermostat housing seal driving tool



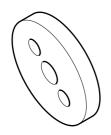
#### 0694923

Bracket for removing expansion tank



#### 0694942

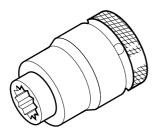
Press for fitting front crankshaft seal



0694942

#### 0694952

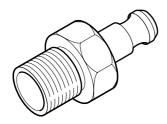
Socket for connecting rod bearing cap bolts



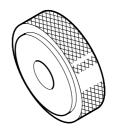
0694952

#### 0694972

Compression tester adapter (i.c.w. 1329301)



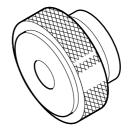
Water pump bearing driving tool



0694982

#### 0694983

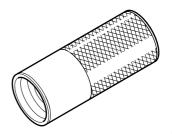
Water pump bearing driving tool



0694983

#### 0694984

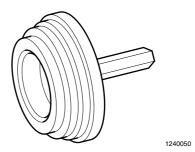
Water pump seal driving tool



0694984

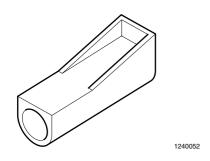
## 1240050

Cylinder lining installer



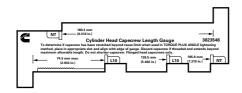
#### 1240052

Cylinder lining clamping piece



#### 1240054

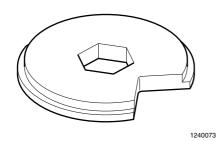
Cylinder head bolt length gauge



1240054

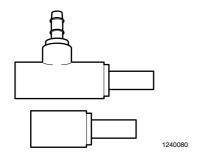
#### 1240073

Plate (part of 0535625)

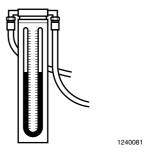


#### 1240080

Oil sump pressure inspection tool (i.c.w. 1240081)

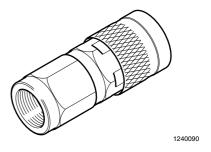


Oil sump pressure gauge (i.c.w. 1240080)



## 1240090

Quick-release coupling for measuring fuel overpressure/fuel supply underpressure/engine oil pressure



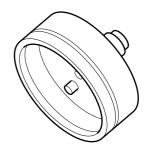
## 1240115

Oil filter wrench



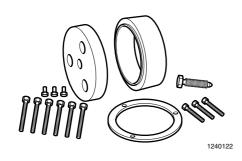
## 1240121

Press for fitting rear crankshaft seal



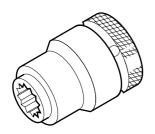
#### 1240122

Press for fitting front crankshaft seal



#### 1240432

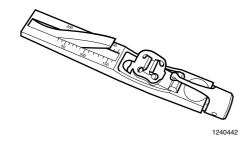
Socket for connecting rod bearing cap bolts



1240432

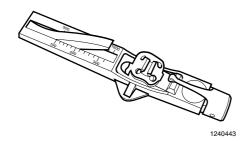
#### 1240442

Krikit I belt tension gauge (250-700 N)

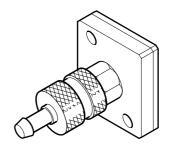


#### 1240443

Krikit II belt tension gauge (450-1500N)



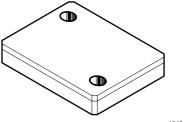
Oil cooler pressure-test plate



1240476

#### 1240477

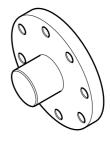
Cover plate for pressure-testing oil cooler



1240477

## 1310423

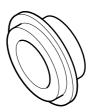
Puller for removing vibration damper



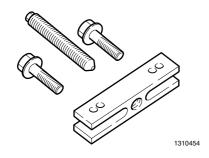
1310423

## 1310424

Front crankshaft seal installer



Pulley remover



## 1310456

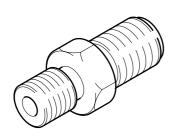
Thermostat seat/thermostat seal installer



1310456

## 1329300

Adapter for dummy injector/compression gauge (part of 1329301)



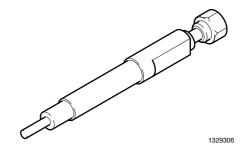
1329300

## 1329301

Engine compression tester

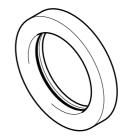


**Dummy** injector



#### 1329307

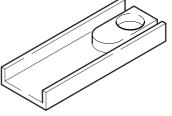
Adapter for oil cooler pressure-testing tool (i.c.w. 0694889)



1329307

## 1329321

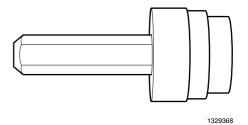
DEB spring positioner



1329321

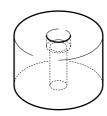
## 1329368

Thermostat seal driving tool



#### 1329370

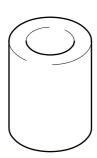
Valve stem seal driving tool



1329370

## 1329382

Pressure punch for fitting 1st bearing on fan drive shaft



1329382

#### 1329383

Pressure punch for fitting 1st bearing ring in fan drive bearing housing



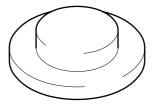
1329383

#### 1329384

Pressure punch for fitting 2nd bearing ring in fan drive bearing housing



Driving tool for fitting oil seal in fan drive bearing housing



1329385

#### 1329386

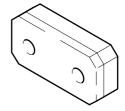
Pressure punch for fitting 2nd bearing on fan drive shaft



1329386

#### 1329394

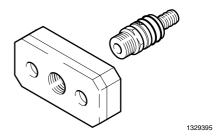
Oil cooler pressure-test plate



1329394

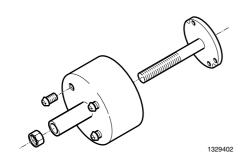
## 1329395

Oil cooler pressure-test plate



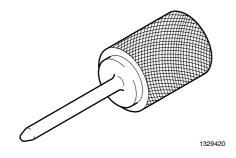
#### 1329402

Press for fitting rear crankshaft seal



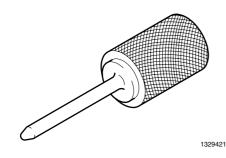
## 1329420

Valve seat pressure punch



## 1329421

Valve seat pressure punch



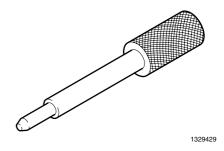
## 1329423

Disassembly of camshaft bearings



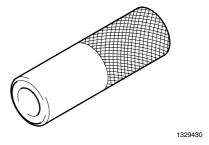
M201372

Valve guide press-out tool



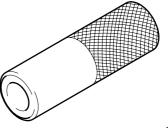
#### 1329430

Exhaust valve guide die set



## 1329431

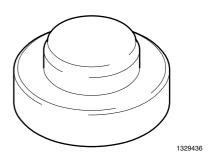
Inlet valve guide die set



1329431

## 1329436

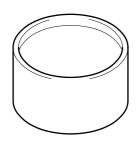
Upspeed fan bearing installer



2 ENGINE

#### 1329437

Upspeed fan bearing installer



1329437

# 1329445

Fan drive gear wheel pressing tool



1329445

# 1329446

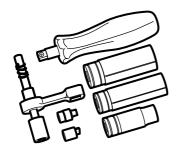
Front crankshaft seal installer



1329446

# 1329455

Torque wrench adapter set for inlet and exhaust valves



# 1329475

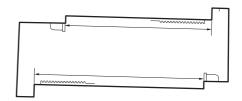
Assembly punch, rear crankshaft seal



1329475

# 1329477

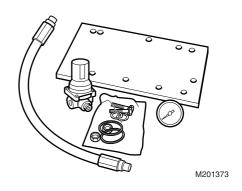
Cylinder head bolt length gauge



1329477

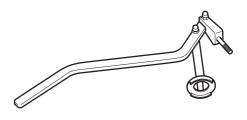
# 1329478

Oil cooler adapter plate for leakage test



#### 1451997

Disassembly of valve spring

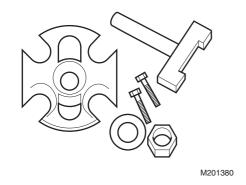


M201374

2 ENGINE

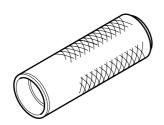
# 1453130

Valve spring press



# 1453131

Valve stem seal punch



M201381

# 1453132

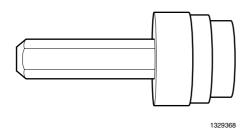
Camshaft bearing bush punch



M201375

# 1453139

Thermostat seal punch

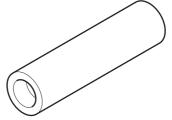




M201376

# 1453156

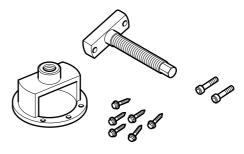
Valve stem seal punch



M201377

# 1453179

Assembly punch, front crankshaft seal



#### **USE OF TABLE OF CONTENTS**

At the beginning of every group there is a table of contents containing the following columns:

- DAF code number of the special tool
- relevant vehicle series
- relevant main components or systems
- page number of the figure

If a tool is used for a main component, system or vehicle series, this is indicated by a code in the column (1-2-3-R).

This code has the following meaning:

- 1 tool for carrying out maintenance work and repair work resulting from it.
- 2 tool for frequently recurring work.
- 3 tool for less frequently recurring work.
- R replacement part of a tool.

#### Note:

If a special tool does not occur in the relevant section, look in group 0 (General).

The special tool in question is then one that occurs in several groups.

Explanations of the abbreviations used in the tables are:

A_1000/ 2000	Allison 1000/2000
TS12612	Twin Splitter 12612
E.PTO	Version with power take-off
HGS	Gearbox with Hydraulic Gear Shift
Voith-ret.	Version with Voith retarder

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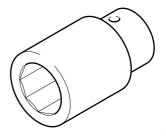
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DAF no.	HGS	Voith ret	ZF intarder	F45	F55	LF45	LF55	F65	F75	F85	65CF	75CF	85CF	CF65	CF75	CF85	F95	95XF	XF95	Page
0694997		3	-		_		_		3	3		3	3				3	3		95
1240037				3	3	3	3	3	3		3	3		3	3					95
1240038										3			3				3			95
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1240083									3	3		3	3				3	3		96
1240099				3	3			3	3		3	3			3					96
1240100				3	3			3	3		3	3			3					97
1240116	3																3	3		97
1240410									3	3		3	3		3	3	3	3	3	97
1240412									3	3		3	3		3	3	3	3	3	97
1240413									3	3		3	3		3	3	3	3	3	98
1240414									3	3		3	3		3	3	3	3	3	98
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1240425									3	3		3	3		3	3	3	3	3	98
1240426				1	1			1	1		1	1								99
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1240498				3		3														102
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1310460			3						3	3		3	3				3	3		102
1310461			3						3	3		3	3				3	3		103
1310462			3						3	3		3	3				3	3		103
1310463			3						3	3		3	3				3	3		103
1310464			3						3	3		3	3				3	3		103
1310465			3						3	3		3	3				3	3		104
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1329352				3	3	3	3							3						107
1329353				3	3	3	3							3						107
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DAF no.	16S109	16S150	16S151	16S181	16S220	16S221	6S850	8S109	8S150	8S151	8S181	9S109	9875	A_1000	A_2000	Eaton 6109	Eaton 6309	MD3060P	MD3066P	MD3560P	S5 42	S6 36	TS12612	Motor PTO	AS Tronic
1329354																3	3								
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1329363																3	3								
1329364																									
1329442			3			3				3															
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1329450			3	3		3				3	3														
1329452																						3			
1329488							3									3	3				3				
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1453154																									1

		1																		
DAF no.	HGS	Voith ret	ZF intarder	F45	F55	LF45	LF55	F65	F75	F85	65CF	75CF	85CF	CF65	CF75	CF85	F95	95XF	XF95	Page
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1329358				3	3	3	3							3						108
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1329361				3	3	3	3							3						109
1329363				3	3	3	3							3						109
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1329449									3	3		3	3		3	3	3	3	3	110
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1329488						3	3													111
1451984						3	3							3						111
1451985						3	3							3						111
1451986						3	3							3						112
1451987						3	3							3						112
1451988						3	3							3						112
1451989						3	3							3						112
1451990						3	3							3						113
1451991						3	3							3						113
1451992						3														113
1453124						3														113
1453125						3														114
1453138															2	2			2	114
1453143						2	2													114
1453145															1	1			1	114
1453148															1	1			1	115
1453154															1	1			1	115

Octagonal socket for reversing light switch



0192536

# 0192537

Gripper for input and output shaft bearings (i.c.w. 0535662)



0192537

#### 0192538

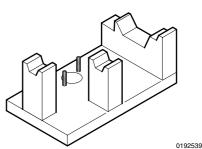
Gripping piece for auxiliary shaft bearings (i.c.w. 0535662)



0192538

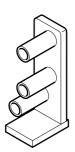
# 0192539

Demounting/mounting jig for main shaft/secondary shaft



#### 0192540

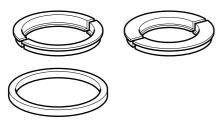
Demounting/mounting jig for main shaft/secondary shaft



0192540

# 0192541

Synchronisation body puller for demounting main shaft



0192541

# 0192542

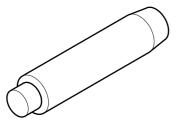
Puller for main shaft tapered roller bearing



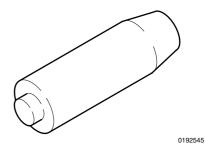
0192542

# 0192544

Driving tool for mounting ball joint cover in gearbox housing



Driving tool for fitting bearing bush in selector housing



0192546

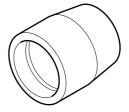
Selector shaft guide sleeve



0192546

0192547

Secondary shaft guide sleeve, 3rd/4th gear



0192547

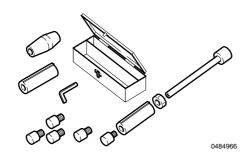
0192548

Adapter for M65x2 (i.c.w. 0535662)



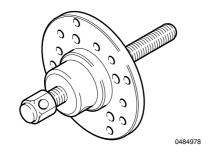
#### 0484966

Centring pin for clutch plate/clutch release assembly



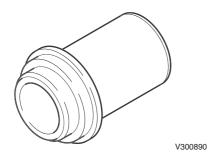
# 0484978

Puller, output shaft flange



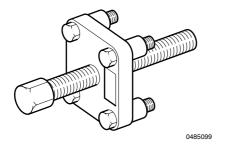
#### 0485063

Oil seal punch, gearbox output shaft

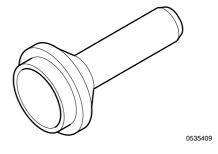


# 0485099

Puller, output shaft forked coupling

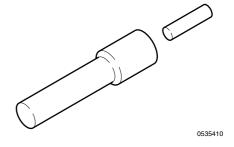


Input shaft seal driving tool



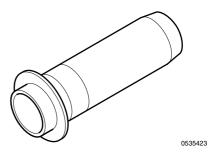
# 0535410

Odometer connecting piece seal driving tool



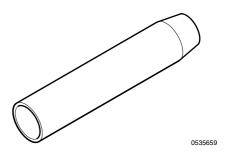
# 0535423

Gearbox front cover seal driving tool



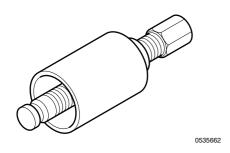
# 0535659

Selector shaft seal and dust seal driving tool



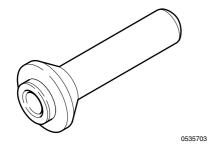
#### 0535662

Puller, basic tool (i.c.w. various extensions/adapters/bearing grippers)



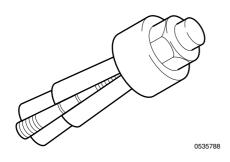
# 0535703

Gearbox front cover oil seal installer



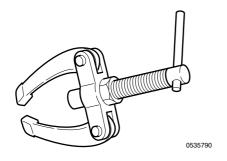
#### 0535788

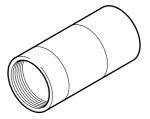
Puller for removing bearing bush



# 0535790

Counter-puller (i.c.w. 0535817)

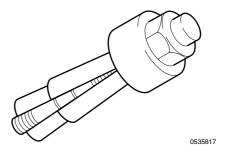




0535793

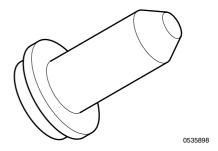
# 0535817

Puller for removing gearbox housing ball joint cover (i.c.w. 0535790)



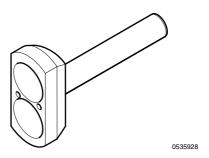
# 0535898

Output shaft seal driving tool



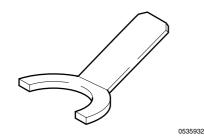
# 0535928

Driving tool for fitting lock plate on output shaft flange bolts



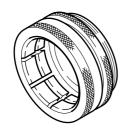
### 0535932

Ring holder for mounting input shaft axial ring



0694720

Gripper for demounting auxiliary shaft tapered roller bearing on output side (i.c.w. 0535662)



0694720

#### 0694770

M12 lifting eye for demounting/mounting intermediate shaft/auxiliary gearbox housing

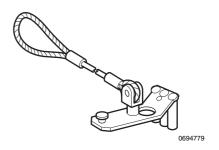


0694770

# 0694771

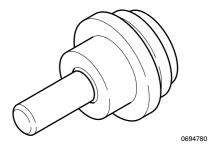
Gripper for demounting auxiliary shaft bearing (i.c.w. 0535662)





### 0694780

Output shaft oil seal installer (i.c.w. 1310466)



#### 0694793

Gripper for demounting secondary shaft bearing (i.c.w. 0535662)



0694793

#### 0694796

Gripper for demounting auxiliary shaft tapered roller bearing (i.c.w. 0192548/0535793/0535662)



#### 0694798

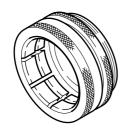
Lifting eye for demounting/mounting main shaft



0694798

#### 0694814

Gripper for demounting intermediate shaft tapered roller bearing (i.c.w. 0535662)



0694814

#### 0694815

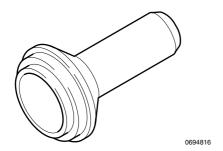
Gripper for demounting intermediate shaft tapered roller bearing



0694815

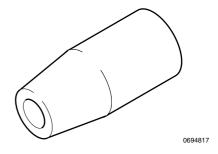
# 0694816

Installer for oil seal (60 x 74), output shaft



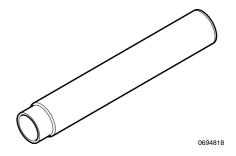
# 0694817

Protective sleeve for mounting oil seal and selector shaft scraper ring



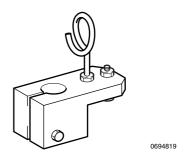
# 0694818

Driving tool for removing and fitting selector housing bearing



# 0694819

Lifting plate, auxiliary and main shafts



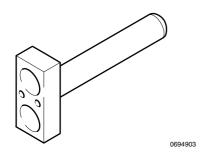
# 0694858

Adapter, oil pump drive cam puller (i.c.w. 0535662)



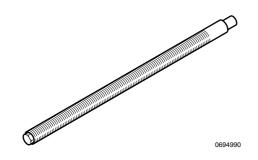
#### 0694903

Output shaft lock plate driving tool



#### 0694990

Threaded spindle for fitting Voith retarder on gearbox output shaft (i.c.w. 0694992)



#### 0694991

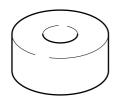
Voith retarder valve threaded spindle nut



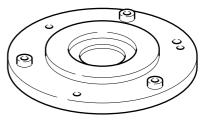
0694991

#### 0694992

Thrust bearing for fitting Voith retarder to gearbox (i.c.w. 0694990)



Voith retarder demounting/mounting plate



0694993

#### 0694994

Retarder centring plate



0694994

# 0694995

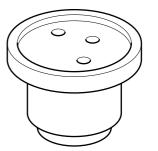
Retarder centring plate



0694995

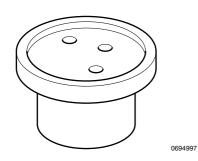
# 0694996

Retarder positioning tool



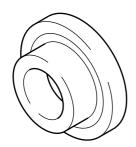
#### 0694997

Retarder positioning tool



# 1240037

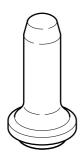
Output shaft seal driving tool



1240037

# 1240038

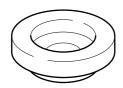
Gearbox front cover seal driving tool



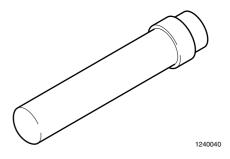
1240038

# 1240039

Adapter for gearbox front cover oil seal (i.c.w. 1240038)

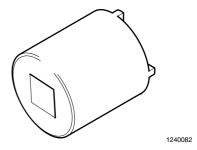


Selector shaft seal driving tool



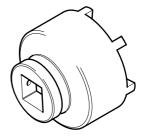
# 1240082

Prop shaft socket wrench, M40



# 1240083

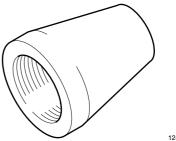
Prop shaft socket wrench, M55 (FAD only)



1240083

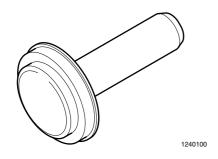
# 1240099

Input shaft oil seal guide sleeve



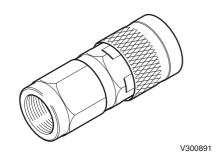
#### 1240100

Input shaft seal driving tool



# 1240116

Quick-release coupling for bleeding HGS gearbox



# 1240410

Shim for mounting/demounting selector shaft and auxiliary shaft (i.c.w. 0694779)



1240410

# 1240412

Bolt (i.c.w. 1240470)



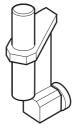
Centring sleeve for mounting/demounting selector shaft and auxiliary shaft (i.c.w. 0694779)



1240413

#### 1240414

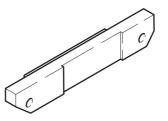
Holder for mounting/demounting selector shaft and auxiliary shaft (i.c.w. 0694779)



1240414

### 1240424

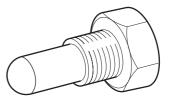
Assembly valve cylinder adjusting and pressure-testing tool



1240424

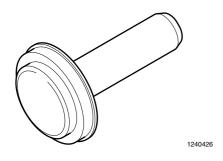
# 1240425

Interlock lock bolt



# 1240426

Output shaft seal driving tool



### 1240428

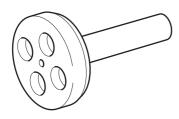
M12 lifting eye for mounting and demounting main shaft/ clutch housing



1240428

# 1240460

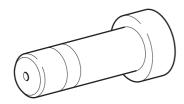
Output shaft lock plate driving tool



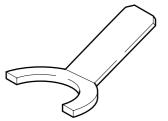
1240460

# 1240466

Driving tool for mounting oil pipe in main shaft



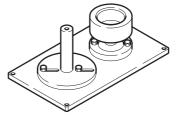
Driving tool for mounting split ring for main shaft axial play



1240469

#### 1240470

Jig containing selector rods and shafts (complete)



1240470

### 1240473

Gripper for demounting main shaft bearing (i.c.w. 0535662)



1240473

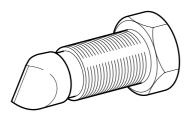
# 1240474

Gripper for demounting input shaft bearing (i.c.w. 0535662)



#### 1240482

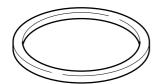
Lock bolt for preventing group changer from rotating



1240482

# 1240483

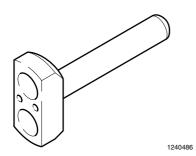
Adapter ring for driving tool for output shaft fitting seal (95x115x10) (i.c.w. 1240491)



1240483

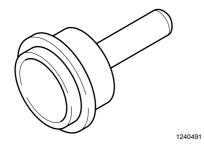
# 1240486

Output shaft lock plate driving tool



# 1240491

Output shaft seal driving tool (i.c.w. 1240483)



Output shaft oil seal driving tool



1240497

# 1240498

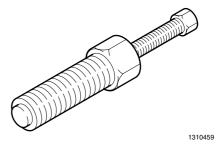
Input shaft oil seal housing driving tool



1240498

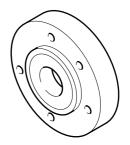
# 1310459

Hydraulic spindle puller (i.c.w. 1310462)



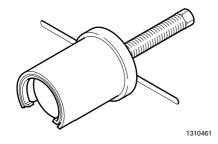
# 1310460

Centring plate



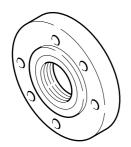
#### 1310461

Adjusting tool for stator and rotor tapered roller bearing



# 1310462

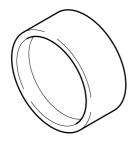
Stator and rotor press-out tool (i.c.w. 1310459)



1310462

# 1310463

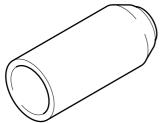
Gear mounting ring



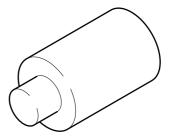
1310463

# 1310464

Tapered roller bearing inner race guide sleeve



Guide sleeve for fitting needle bearings



1310465

# 1310466

Range-change gear cover oil seal installer (i.c.w. 0694780)



1310466

# 1310467

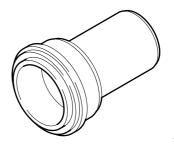
Driving tool for stator and rotor



1310467

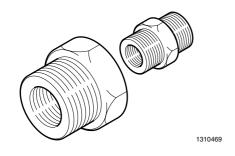
# 1310468

Output shaft oil seal driving tool



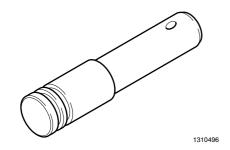
#### 1310469

Measuring plugs (M24x1.5; M12x1.5)



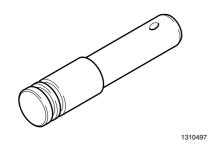
# 1310496

Calibration pin (pressure limiting valve/control valve bore)



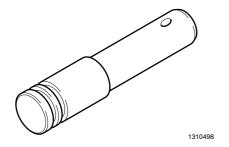
#### 1310497

Calibration pin (pressure selector valve bore)

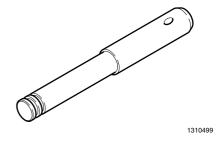


# 1310498

Calibration pin (heat exchanger selector valve bore)

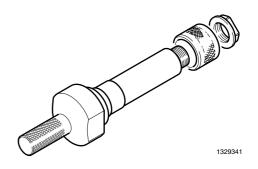


Calibration pin (pre-control valve bore)



# 1329341

Engine PTO driving tool



# 1329342

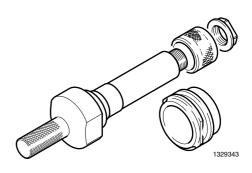
Engine PTO mounting ring



1329342

# 1329343

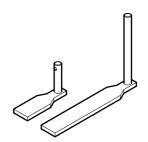
Measuring and assembly tool for engine PTO



3 GEARBOX

#### 1329347

Mechanical shift control adjusting tool (MGS)



1329347

## 1329351

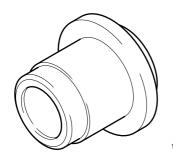
Auxiliary shaft bearing puller



1329351

#### 1329352

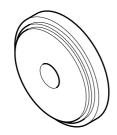
Selector shaft seal and bush driving tool



329352

## 1329353

Adapter for auxiliary shaft bearing bush driving tool



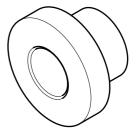
Input shaft oil seal driving tool



1329354

## 1329355

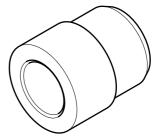
Selector shaft bush driving tool



1329355

## 1329356

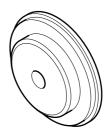
Selector shaft plug driving tool



1329356

## 1329358

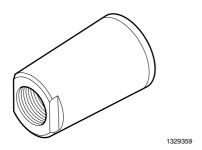
Rear cover oil seal driving tool



3 GEARBOX

#### 1329359

Main shaft rear bearing guide sleeve



## 1329360

Main shaft and auxiliary shaft assembly lift bracket



1329360

## 1329361

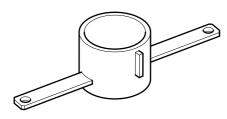
Main and auxiliary shaft assembly lift bracket adapter

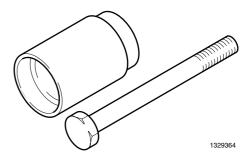


1329361

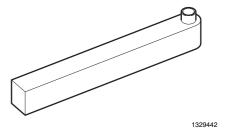
## 1329363

Sun gear locking tool



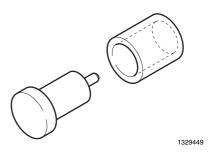


Special tool for demounting clutch housing dowel pins



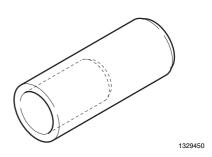
## 1329449

Pressing tool for shift control silent blocks



## 1329450

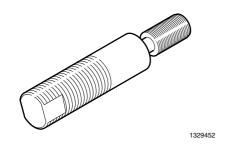
Servoshift selector shaft seal punch



3 GEARBOX

#### 1329452

Adapter for selector shaft puller (i.c.w. 0694928)



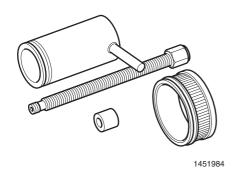
## 1329488

Gear lever adjustment jig



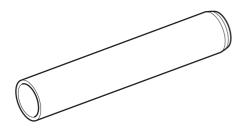
## 1451984

Puller for main axle bearing

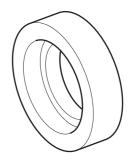


## 1451985

Driving tool



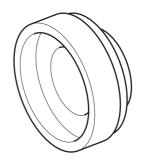
Adapter for replacement of secondary and input shafts



T1451986

#### 1451987

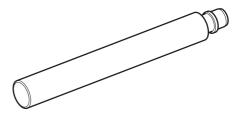
Adapter for replacement of rear main shaft seal



T1451987

## 1451988

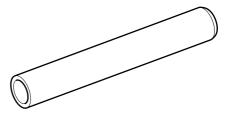
Driving tool



1451988

## 1451989

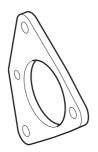
Driving tool (i.c.w. 1451988)



3 GEARBOX

#### 1451990

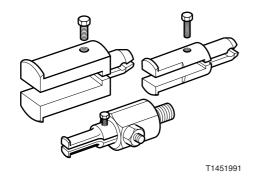
Adapter plate for flange counter-wrench



1451990

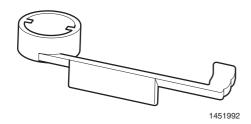
## 1451991

Puller set for bearings and bushes



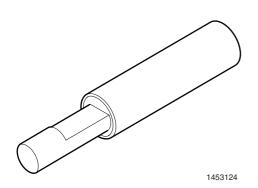
## 1451992

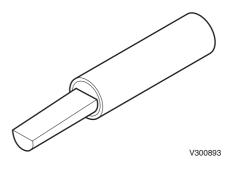
Selector switch adjusting tool



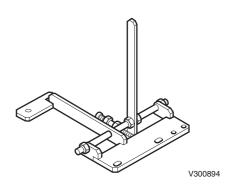
## 1453124

Disassembly tool for selector shaft seal



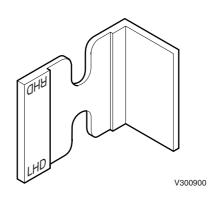


Tool for fitting gearbox modulator



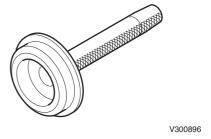
## 1453143

Gearbox control adjustment jig



# 1453145

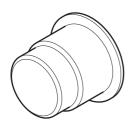
Seal driving tool



3 GEARBOX

## 1453148

Installing output shaft seal



V300897

## 1453154

Spacer ring for fitting output shaft seal



V300898

#### **USE OF TABLE OF CONTENTS**

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#### Note

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The special tool in question is then one that occurs in several groups.

## **FUEL SYSTEM**

	l		l	l	l	l	l		l	l		l	l	l							
DAF no.	BE	CE	S	99	SS	LS-LT	LT-LPG	SN	PE	PF	RG	RS	VF	ws	XE	XF	F45	F55	LF45	LF55	BE
0192492	2	2	2														2	2	2	2	2
0192496	2	2																	2	2	2
0485112			3														3	3			
0485149			3														3	3			
0499810			3														3	3			
0499811			2														2	2			
0535058						3															
0535264						3															
0535712			3			3		3	3	3		3		3	3	3	3	3			
0664827	2				2	2		2	2	2		2		2	2	2			2	2	2
0694833				1		1		1		1	1	1	1	1							
0694835					1			1				1		1							
0694925								1				1		1							
1240041													3								
1240043													3								
1240056													3								
1240057													3								
1240075														3							
1240077								3													
1310418				2	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
1329309									2	2					2	2					
1329319								1													
1329320				1					1	1	1	1			1	1					
1329340								2													
1329350				1		1		1			1	1	1	1							
1329399										3											
1329403									1	1											
1329473	2	2																	2	2	2
1329476	2	2																	2	2	2
1453133	2	2																	2	2	2
1453151	2	2																	2	2	2

# 4 FUEL SYSTEM

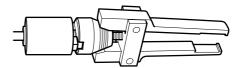
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DAF no.	F65	F75	F85	65CF	75CF	85CF	CF65	CF75	CF85	F95	95XF	Page
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0192496							2					120
0485112												120
0485149												120
0499810												121
0499811												121
0535058												121
0535264												121
0535712	3	3	3	3	3	3		3	3	3	3	122
0664827	2	2	2	2	2	2	2	2	2	2	2	122
0694833	1	1	1	1	1					1	1	122
0694835	1	1	1	1						1		122
0694925	1	1	1	1						1		123
1240041										3	3	123
1240043										3	3	123
1240056										3	3	123
1240057										3	3	124
1240075			3							3		124
1240077	3			3								124
1310418	2	2	2	2	2	2		2	2	2	2	124
1329309					2	2		2	2		2	125
1329319	1			1								125
1329320		1			1	1		1	1		1	125
1329340	2			2								125
1329350	1	1	1	1		1				1	1	126
1329399		3										126
1329403					1			1				126
1329473							2					126
1329476							2					127
1453133							2					127
1453151							2					127

Injector sleeve cleaner



## 0192496

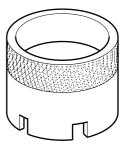
Injector puller



0192496

## 0485112

Tank sensor sealing ring wrench



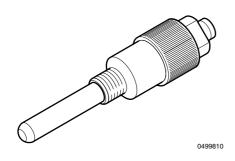
0485112

## 0485149

Adjusting tool for injection timing (Bosch)

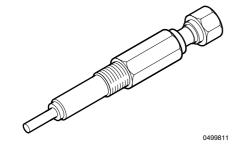


Fuel pump timing tool (CAV)



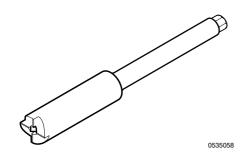
## 0499811

Dummy injector (i.c.w. 1329301)



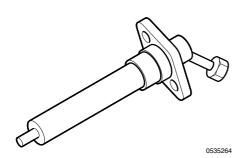
## 0535058

Injector sleeve cleaner

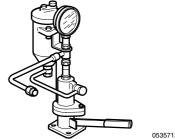


## 0535264

Dummy injector (i.c.w. 1329301)

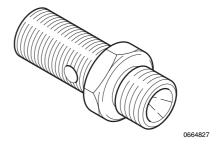


Injector tester



## 0664827

Boost pressure gauge connection coupling (for boost pressure curve)



## 0694833

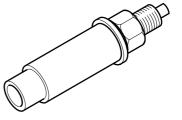
Boost pressure socket



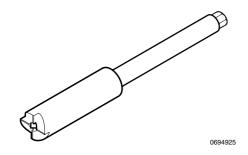
0694833

## 0694835

Injector puller

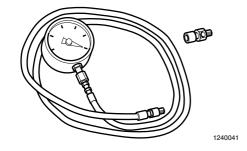


Injector sleeve cleaner



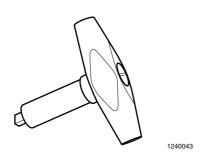
## 1240041

Vacuum gauge



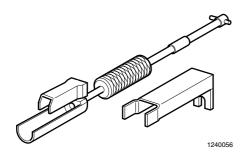
## 1240043

Injector torque wrench

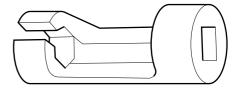


## 1240056

Injector puller



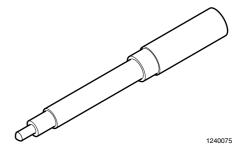
Speed sensor socket wrench



1240057

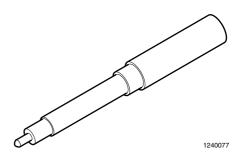
## 1240075

Injector sleeve driving tool



## 1240077

Injector sleeve driving tool

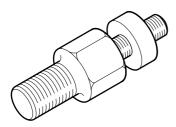


## 1310418

Boost pressure gauge (0-2.5 bar)



Injector puller (i.c.w. 0694928)



1329309

1329319

Boost pressure socket



1329319

1329320

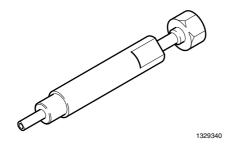
Boost pressure socket



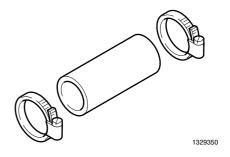
1329320

1329340

Dummy injector (i.c.w. 1329301)

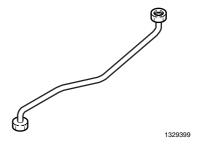


Hose and 2x hose clamp (i.c.w. 0694833)



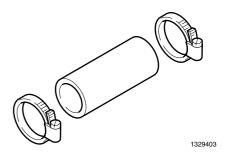
## 1329399

Injector test pipe (i.c.w. 0694966)



## 1329403

Hose and 2x hose clamp (for 1329320)

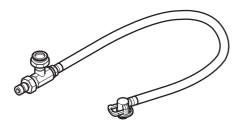


## 1329473

Injector connection pipe puller



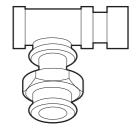
Voss fuel line T-piece



1329476

1453133

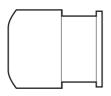
Fuel rail plug



i400878

## 1453151

Low-pressure fuel line sealing plug



i400879

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#### Note

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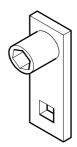
The special tool in question is then one that occurs in several groups.

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0694953         R </td <td>132 133 133 133 133</td>	132 133 133 133 133
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0694957         R </td <td>133</td>	133
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1453178	R	R			R	R	R	R	R	R				R	R		145

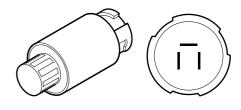
Alternator nut socket wrench (27 mm)



0484829

#### 0694940

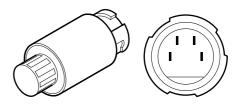
Delsi 1, vehicle speed simulation



0694940

## 0694941

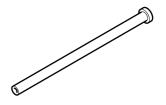
Delsi 2, vehicle speed simulation



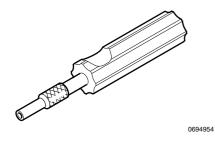
0694941

## 0694953

Spare ejector (part of 0694962)

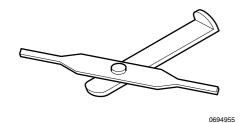


Ejector tool 4.0 mm (part of 0694960)



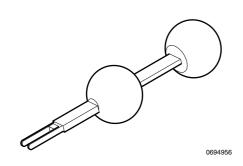
## 0694955

Timer contact ejector tool (part of 0694960)



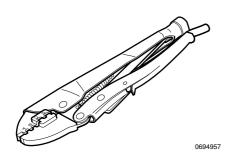
## 0694956

AMP ejector tool (part of 0694960)

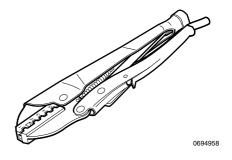


## 0694957

Crimping tool (part of 0694960)

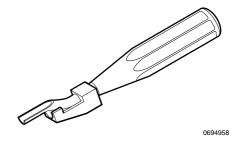


Crimping tool (part of 0694960)



#### 0694959

Canon ejector tool (part of 0694960)



## 0694960

Contact kit (A) and auxiliary tool

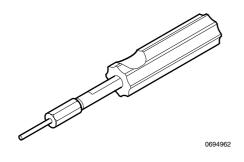


## 0694961

Empty contact kit (part of 0694960)

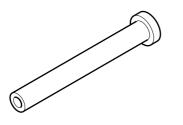


Ejector tool 1.5 mm (part of 0694960)



## 0694979

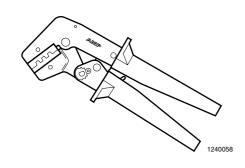
Spare ejector (part of 0694954)



0694979

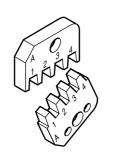
## 1240058

Crimping tool (part of 1240065)

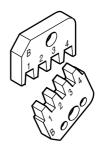


## 1240059

Crimping tool (part of 1240065)



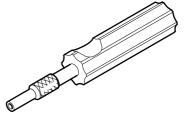
Crimping tool (part of 1240065)



1240060

## 1240061

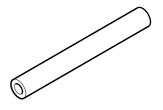
Ejector tool 4.0 mm SCAT (part of 1240065)



1240061

## 1240062

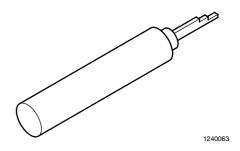
Spare ejector (part of 1240061)



1240062

## 1240063

Micro-timer ejector tool (part of 1240065)



Spare ejector (part of 1329367)



1240064

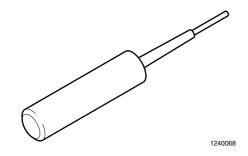
## 1240065

Contact kit (B) and auxiliary tool



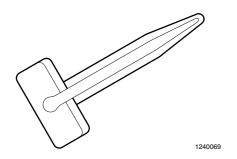
## 1240068

AMP ejector tool (part of 1240072)

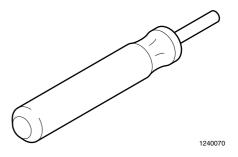


## 1240069

Deutsch ejector tool (part of 1240072)

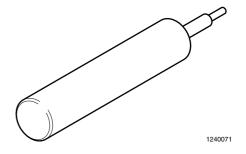


Weather Pack ejector tool (part of 1240072)



## 1240071

Contact press-in tool (part of 1240072)



## 1240072

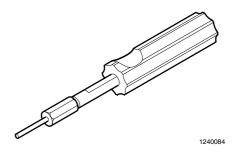
Contact kit and auxiliary tool (VF engine)



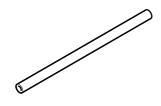
1240072

## 1240084

Ejector tool 1.5 mm SCAT (part of 1240065)



Spare ejector (part of 1240084)



1240085

## 1240102

Contact kit, empty (part of 1240065)



## 1240437

Fluke 87 multimeter

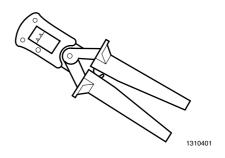


## 1310400

VKR contact ejector (Grote & Hartmann)

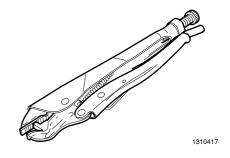


VKR contact manual crimping tool (Grote & Hartmann)



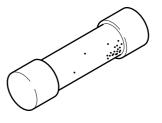
## 1310417

Cable eye mounting pliers



## 1310484

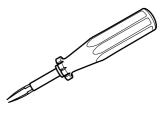
Fluke multimeter fuse (15 A)



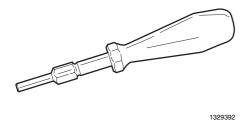
1310484

## 1329367

Mini-timer ejector tool (part of 1240065)

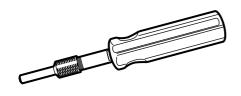


ABS contact ejector



1329400

Ejector tool for 2.5-mm DIN connector (part of 1240065)



1329400

## 1329433

Universal breakout box (156 P)



## 1329434

UPEC cable harness with template (i.c.w. breakout box 1329433)



VIC cable harness with template (i.c.w. breakout box 1329433)



1329461

## 1329462

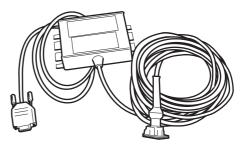
ECS DC3 cable harness breakout box with template



1329462

## 1345135

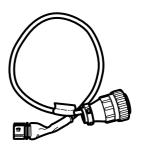
EGAS diagnostic interface (LPI gas engine)



T1345135

## 1351061

EGAS diagnosis cable, adapter cable (LPI gas engine)



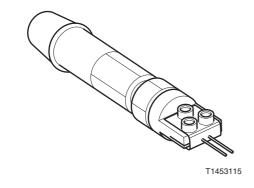
ABS/EBS BOB cable harness with templates (i.c.w. breakout box 1329433)



1451983

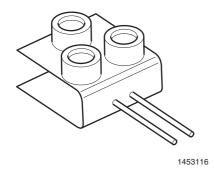
# 1453115

Ejector tool



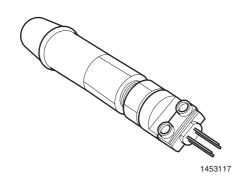
#### 1453116

Spare part for ejector tool (part of 1453115)



# 1453117

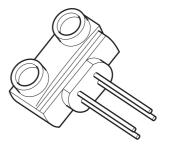
Ejector tool



# **ELECTRICAL COMPONENTS**

#### 1453118

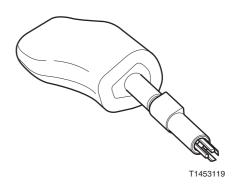
Spare part for ejector tool (part of 1453117)



1453118

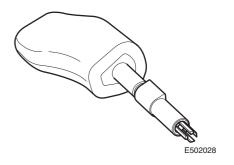
# 1453119

Ejector tool



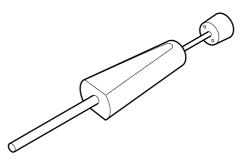
#### 1453137

Ejector tool for VKR contacts



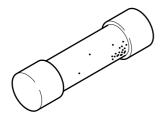
# 1453177

AS Tronic ejector tool



T00101

Fluke multimeter fuse (1 A)



6 BRAKES

#### **USE OF TABLE OF CONTENTS**

At the beginning of every group there is a table of contents containing the following columns:

- DAF code number of the special tool
- relevant vehicle series
- relevant main components or systems
- page number of the figure

If a tool is used for a main component, system or vehicle series, this is indicated by a code in the column (1-2-3-R).

This code has the following meaning:

- 1 tool for carrying out maintenance work and repair work resulting from it.
- 2 tool for frequently recurring work.
- 3 tool for less frequently recurring work.
- R replacement part of a tool.

#### Note

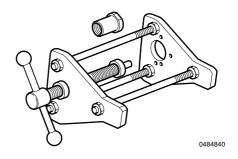
If a special tool does not occur in the relevant section, look in group 0 (General).

The special tool in question is then one that occurs in several groups.

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0485086	3	3															151
0485095	3	3															151
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0485115	3	3															152
0499812	3	3															152
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1329338	3	3															155
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1451981			R	R													159
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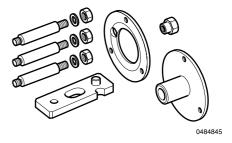
6 BRAKES

Spring brake cylinder overhaul tool



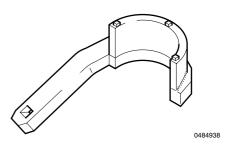
#### 0484845

Adapter for overhauling spring brake cylinder (i.c.w. 0484840)



## 0484938

Wrench, spring brake cylinder circlip, rear



# 0485052

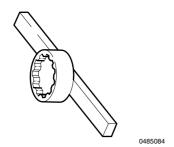
Universal air pressure gauge



6 BRAKES

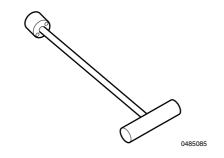
#### 0485084

Wrench for fitting brake calliper piston (N60)



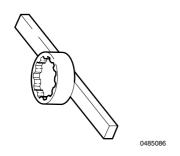
# 0485085

Spring lifter for removing and fitting brake shoe positioning spring



#### 0485086

Wrench for fitting brake calliper piston (N84)

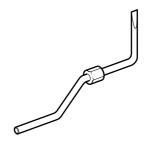


#### 0485095

Lever for removing and fitting brake shoe tension spring



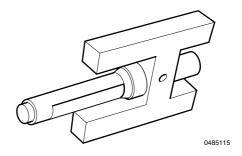
Adjusting spanner for brake adjustment device



0485097

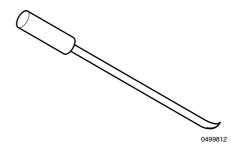
#### 0485115

Shims for basic adjustment of master brake cylinder



# 0499812

Lever for removing and fitting brake shoe tension spring



# 0535654

Wabco test-equipment case for air-pressure system

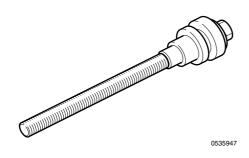


T0535654

6 BRAKES

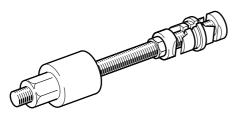
#### 0535947

Spring brake cylinder demounting tool



#### 0694794

Brake camshaft bearing bush puller



0694794

## 1240000

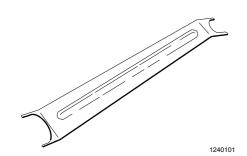
Riveting punch for fitting brake lining



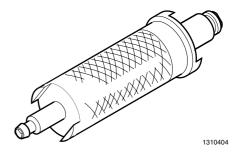
1240000

#### 1240101

Control lever for Voss clutches NG 8/ NG 12

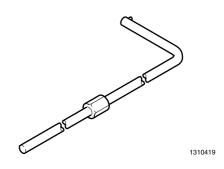


Driving tool for inserts for Voss clutches NG 8/ NG 12



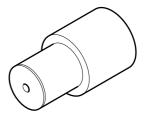
#### 1310419

Adjusting spanner for brake adjustment device



# 1310421

Driving tool for brake camshaft bearings/seal



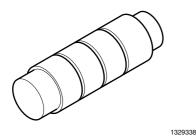
1310421

# 1329322

Driving tool for disc brake shaft seal

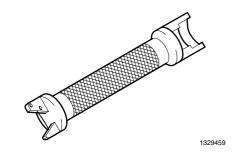


Pressure punch for disc brake guide pin sleeve



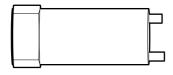
## 1329459

Voss 232 clutch disassembly tool



#### 1329464

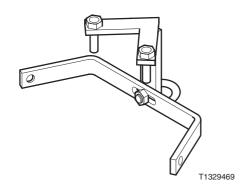
Adjusting tool for mini ALR



1329464

# 1329469

Hoisting tool for brake calliper



Knorr overhaul case for SB series



1329494

#### 1329495

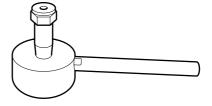
Overhaul case for Knorr disc brakes, SN series



R600863

# 1451970

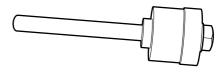
Press-in tool for Knorr disc brake (part of 1329494)



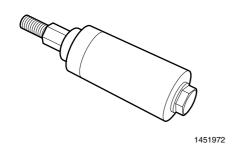
1451970

# 1451971

Assembly tool for Knorr disc brake (part of 1329494)

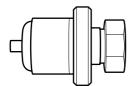


Disassembly and assembly tool for Knorr disc brake (part of 1329494)



#### 1451973

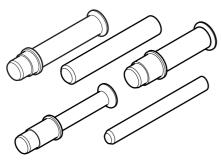
Locking tool for Knorr disc brake (part of 1329494)



1451973

#### 1451974

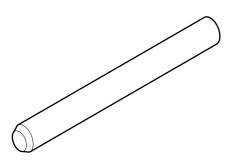
PAN 17/PAN 19 press-in and ejector tool for Wabco disc brake



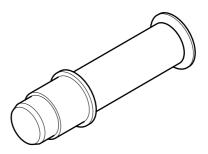
1451974

#### 1451975

PAN 17 ejector tool for Wabco disk brake (part of 1451974)



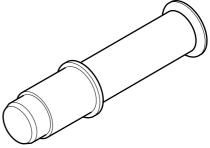
PAN 17 press-in tool for Wabco disk brake (part of 1451974)



T1451976

#### 1451977

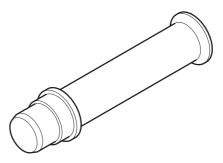
PAN 17 press-in tool for Wabco disk brake (part of 1451974)



T1451977

#### 1451978

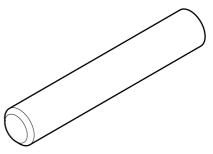
PAN 17 press-in tool for Wabco disk brake (part of 1451974)



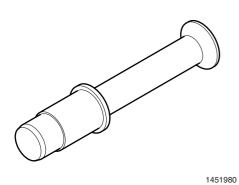
1451978

#### 1451979

PAN 19 ejector tool for Wabco disk brake (part of 1451974)

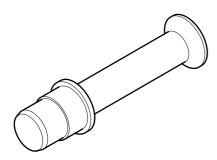


PAN 19 press-in tool for Wabco disk brake (part of 1451974)



# 1451981

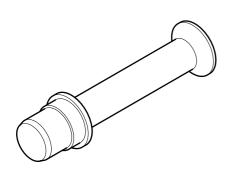
PAN 19 press-in tool for Wabco disk brake (part of 1451974)



1451981

#### 1451982

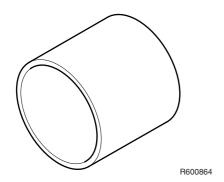
PAN 19 press-in tool for Wabco disk brake (part of 1451974)



1451982

#### 1453140

Press-in tool for brake bushes



#### **USE OF TABLE OF CONTENTS**

At the beginning of every group there is a table of contents containing the following columns:

- DAF code number of the special tool
- relevant vehicle series
- relevant main components or systems
- page number of the figure

If a tool is used for a main component, system or vehicle series, this is indicated by a code in the column (1-2-3-R).

This code has the following meaning:

- 1 tool for carrying out maintenance work and repair work resulting from it.
- 2 tool for frequently recurring work.
- 3 tool for less frequently recurring work.
- R replacement part of a tool.

#### Note

If a special tool does not occur in the relevant section, look in group 0 (General).

The special tool in question is then one that occurs in several groups.

Explanations of the abbreviations used in the tables are:

150_S/152_S/156_S/182_S/186_S	150N/152N/156N/182N/186N-shaft in disc brake version
150N/152N/156N/182N/186N	150N/152N/156N/182N/186N-shaft in dum brake version
09G075	Co-steering rear axle
EMAS	Electro-hydraulic multi-axle steering
EVS	Electronic vehicle steering
RAS-EC	Rear axle steering - electronically controlled
ST_TRW	TRW steering boxes
ST_ZF	ZF steering boxes

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DAF no.	150_S	150N	152_S	152N	156_S	156N	172N	182_S	182N	186_S	186N	F36	F40	F48	F56	F60	F71	09N	N84	09G075	EMAS	EVS	RAS-EC	ST_TRW	ST_ZF
0192506																									3
0192507																									3
0192508																									3
0192509																									3
0484852																									3
0484853																									3
0484857																									3
0485022	-	1	-	1	-	1	1	-	1	1	_	1	1	1	-	1	1	)	1	1					3
0485211 0485242	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R					3
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0485244																									3
0485245																									3
0499801																		2							
0499803																			3						
0535498																									3
0535891	2	2	2	2	2	2	2	2	2	2	2	2		2		2				2					
0535996	2	2	2	2	2	2	2	2	2	2	2	2		2		2									
0694767	3	3	3	3	3	3	3	3	3	3	3									3					
0694786																								2	2
0694821																									
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0192500   0.4	0192507		3		3										3			166
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0485244 3 3	0485242	3		3														168
049801	0485243	3		3														168
0499801	0485244	3		3														168
0499800	0485245	3		3														169
0535498   3	0499801	2	2															169
0535891	0499803	3	3															169
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# **STEERING AND AXLES**

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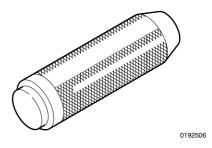
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1310489	3	3															179
1329304	3	3															179
1329373	R	R		R	R	R	R	R	R	R	R	R	R	R	R	R	179
1329374	R	R		R	R	R	R	R	R	R	R	R	R	R	R	R	180
1329376				3													180
1329404						1	1		1	1							180
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1329406							1		1	1		1	1	1		1	181
1329410						1	1		1	1							181
1329424	R	R															181
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1452749				R							R	R	R				183
1453123			3														184
1453127												3	3			3	184
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1453146				2													185

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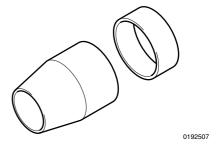
#### 0192506

Driver for fitting steering box worm shaft seal



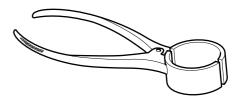
#### 0192507

Guide sleeve for fitting steering box worm shaft seal



#### 0192508

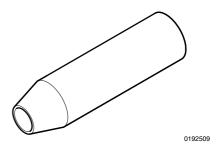
Pliers for fitting sealing rings to steering box worm shaft



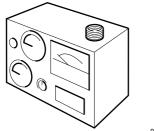
0192508

# 0192509

Protective sleeve for fitting sealing rings to steering box worm shaft



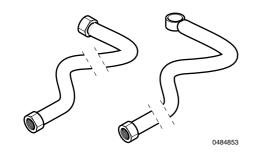
Test equipment for hydraulic steering control pressures (i.c.w. 0484853)



0484852

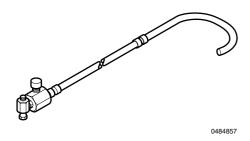
#### 0484853

Test hoses for hydraulic steering control pressures (i.c.w. 0484852)



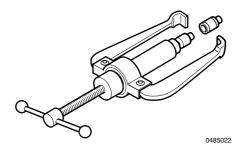
#### 0484857

Steering pump test valve



#### 0485022

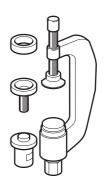
Hydraulic puller for pitman arm



# **STEERING AND AXLES**

#### 0485211

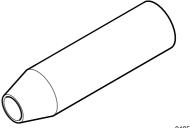
Steering ball joint play measuring tool (part of 1329426)



S700916

#### 0485242

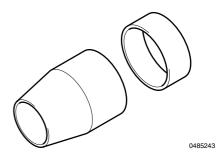
Protective sleeve for fitting sealing rings to steering box worm shaft



0485242

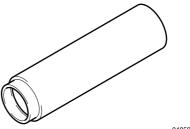
# 0485243

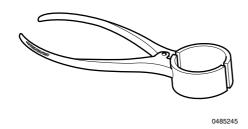
Guide sleeve for fitting steering box worm shaft seal



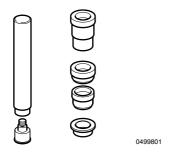
#### 0485244

Driver for fitting steering box worm shaft seal



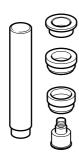


Driving tool for king pin bushes



## 0499803

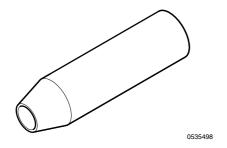
Driving tool for king pin bushes



0499803

#### 0535498

Guide sleeve for fitting steering box worm shaft seal



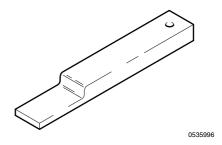
Universal puller (i.c.w. 0694767, 0694786, 0694916)



0535891

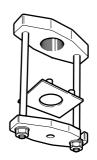
#### 0535996

Gauge for limiting maximum steering angle



#### 0694767

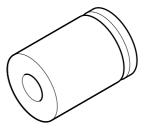
King-pin puller (i.c.w. 0535891)



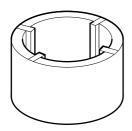
0694767

# 0694786

Pitman arm puller adapter (i.c.w. 0535891, 0694916)



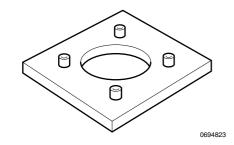
Auxiliary pitman arm nut spanner



0694821

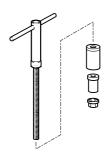
#### 0694823

Centring plate (part of 0694767)



#### 0694827

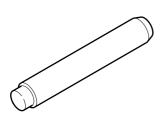
Puller for removing and installing swivel axle needle bearings



0694827

#### 0694834

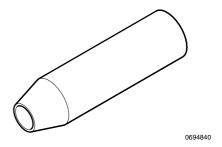
Driver for fitting steering box worm shaft needle bearings



# **STEERING AND AXLES**

#### 0694840

Protective sleeve for fitting steering box output shaft sealing rings



#### 0694916

Pitman arm puller (i.c.w. 0535891, 0694786)



0694916

#### 0694919

Pivot 27 mm (i.c.w. 0694767)



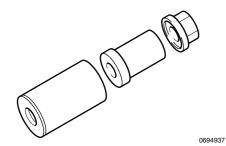
0694919

# 0694920

Pivot 33 mm (i.c.w. 0694767)

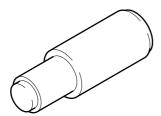


Additional tool unit for swivel axle needle bearing puller (i.c.w. 0694827)



0694968

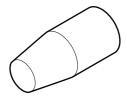
Driving tool for removing steering pump bearing



0694968

#### 0694969

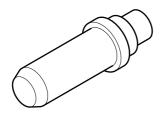
Protective sleeve for fitting steering pump oil seal



0694969

#### 0694970

Steering pump shaft bearing/seal installer



Driver for fitting steering box bearing races



0694975

#### 0694977

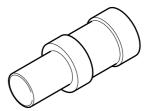
Driver for fitting steering box bearing races



0694977

#### 0694989

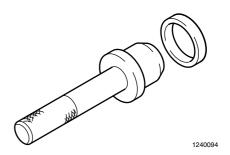
Pin 10 mm (part of 0694783)



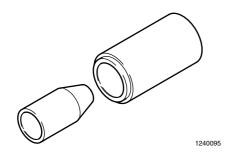
0694989

#### 1240094

Driving tool for fitting steering box output shaft seal

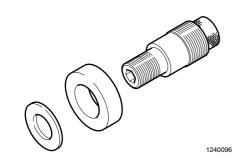


Driving tool and guide bush for fitting steering box input shaft seal



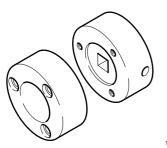
#### 1240096

Plug to replace pressure limiting valve for carrying out internal leak test of steering box



#### 1240097

Spline socket for tightening steering box input shaft



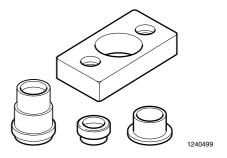
1240097

#### 1240478

Driver for fitting steering box bearing races

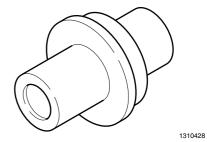


Puller for removing and installing swivel axle needle bearings



#### 1310428

Needle bearing driving tool



#### 1310430

Front axle hub seal installer (i.c.w. 0499809)



1310430

# 1310431

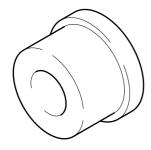
Front axle hub bearing installer (i.c.w. 0499809)





1310433

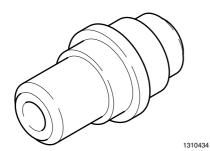
King pin needle bearing puller



1310433

1310434

King pin needle bearing driving tool

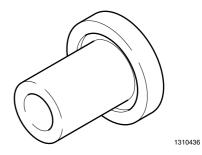


1310435

King pin needle bearing puller

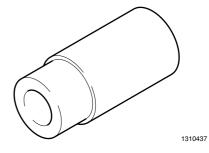


Driving tool for king pin bush



# 1310437

King pin bush puller



# 1310486

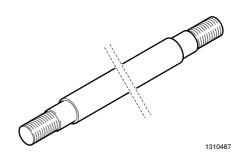
Pivot (i.c.w. 0694767)

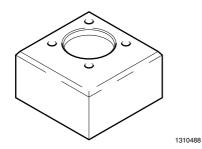


1310486

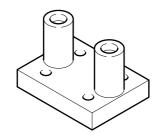
# 1310487

Pull rod (2x) (part of 0694767)





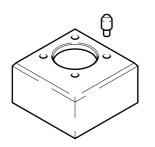
Centring plate (i.c.w. 0694767)



1310489

1329304

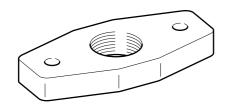
Centring plate (i.c.w. 0694767)



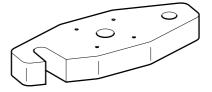
1329304

1329373

Upper plate (part of 0694767)



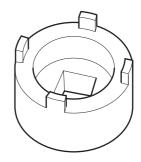
Lower plate (part of 0694767)



1329374

#### 1329376

Socket for removing hub nut 70 mm



S700915

#### 1329404

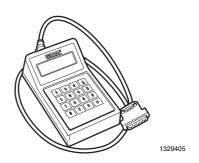
Accumulator testing/filling set (EVS)



1329404

## 1329405

Test box (EVS)



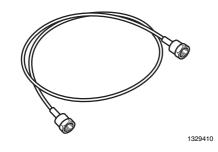
Pressure gauge, digital (EVS)



1329406

## 1329410

Drain hose (EVS)



## 1329424

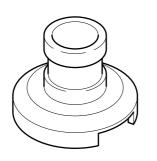
Steering ball joint play measuring tool adapter (part of 1329426)



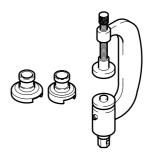
1329424

#### 1329425

Steering ball joint play measuring tool adapter (part of 1329426)



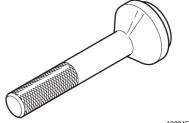
Steering ball joint play measuring tool (combination of tools 0485211 + 1329424 + 1329425)



1329426

#### 1329453

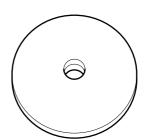
Worm shaft seal punch (TRW)



1329453

#### 1329484

Punch for pressing in the front wheel hub seal (F48 front axle)



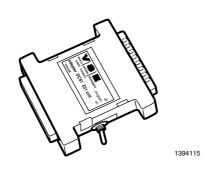
1329484

#### 1329485

Punch for pressing in the front wheel hub seal (F36 front axle)  $\,$ 

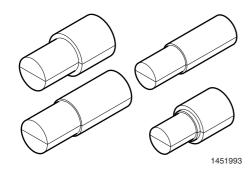


Plug adapter (EVS) (i.c.w. 1329405)



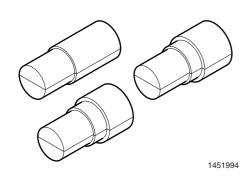
## 1451993

Set of ejector/pressing tools for king pin bushes (i.c.w. 0499809)



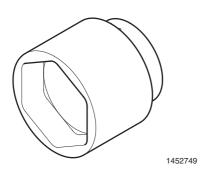
#### 1451994

Set of ejector/pressing tools for king pin bushes (i.c.w. 0499809)

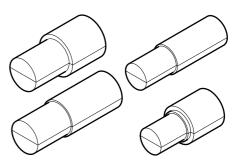


#### 1452749

Socket for front axle 7.5 T 80-mm socket (i.c.w.1329467) (part of 132996)



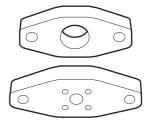
Set of ejector/pressing tools for king pin bushes (i.c.w. 0499809)



1453123

#### 1453127

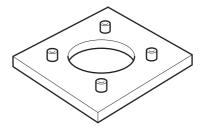
King pin puller adapter



S700917

#### 1453134

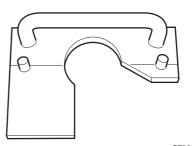
King pin puller centring plate



S700918

## 1453142

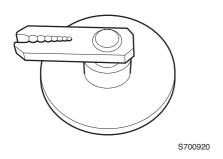
Adapter for adjusting angle sensor (RAS-EC)



S700919

# 1453146

Adapter for adjusting front axle angle sensor (RAS-EC)



#### **USE OF TABLE OF CONTENTS**

At the beginning of every group there is a table of contents containing the following columns:

- DAF code number of the special tool
- relevant vehicle series
- relevant main components or systems
- page number of the figure

If a tool is used for a main component, system or vehicle series, this is indicated by a code in the column (1-2-3-R).

This code has the following meaning:

- 1 tool for carrying out maintenance work and repair work resulting from it.
- 2 tool for frequently recurring work.
- 3 tool for less frequently recurring work.
- R replacement part of a tool.

#### Note

If a special tool does not occur in the relevant section, look in group 0 (General).

The special tool in question is then one that occurs in several groups.

Explanations of the abbreviations used in the tables are:

09N075/09N220	Trailing rear axle in drum brake version
09N044	Leading rear axle (FTP vehicle type)

DAF no.	09N044	09N075	09N220	10.20	10.26	10.28	11.26	1132	1132T	1339	1346	1347	1354	1355T	5.10	5.12	5.14	7.18	7.20	8.20	09N044
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0484825																3		3			
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0694837														3							
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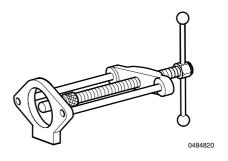
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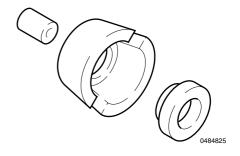
#### 0484820

Hand-operated press, universal basic tool



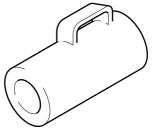
#### 0484825

Pinion shaft bearing driving tool (i.c.w. 0484820)



## 0484910

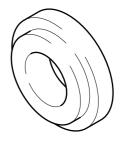
Driving tool bush for fitting hub seal wearing ring (i.c.w. 0484915)

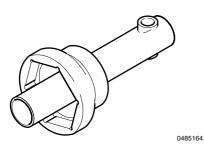


#### 0484910

## 0484915

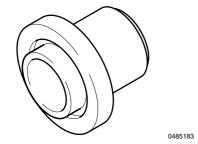
Adapter for fitting hub seal wearing ring (i.c.w. 0484910)





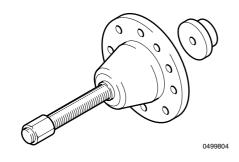
#### 0485183

Pinion seal driving tool



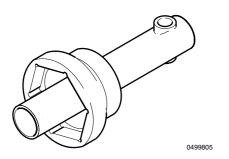
# 0499804

Hub puller



## 0499805

Hub nut wrench (supersedes 0484961)



#### 0499806

Hub seal ring driving tool (i.c.w. 0499809)



0400000

## 0499807

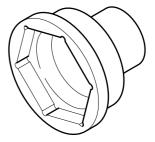
Hub seal ring driving tool (i.c.w. 0499809)



0499807

## 0535648

Hub nut wrench



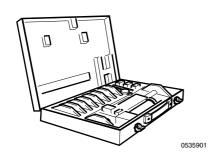
0535648

## 0535705

Hub nut wrench

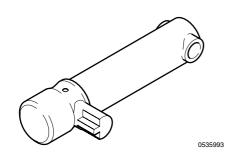


Setting tool for pinion fitting dimension (without micrometer gauge)



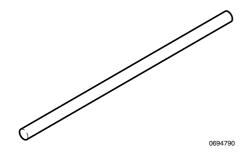
#### 0535993

Adjusting nut wrench for satellite housing bearings (i.c.w. 0694790)



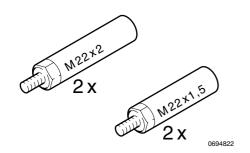
## 0694790

Pry bar



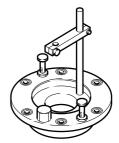
#### 0694822

Extension pieces for wheel-bearing play inspection tool (i.c.w. 0535595)



#### 0694826

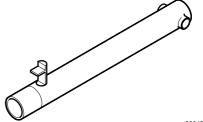
Adjusting tool for axial play of differential gear input shaft (without micrometer gauge)



0694826

#### 0694828

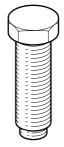
Adjusting nut wrench for satellite housing bearings (i.c.w. 0694790)



0694828

## 0694836

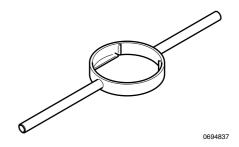
Lock bolt for differential lock

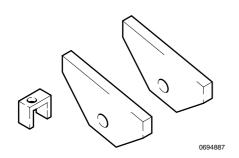


0694836

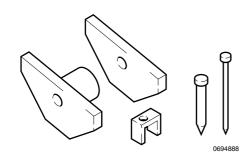
#### 0694837

Pinion shaft gear locking tool



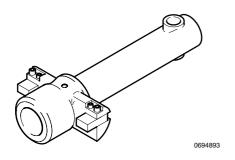


Extension set for setting tool for pinion fitting dimension (i.c.w. 0535901)



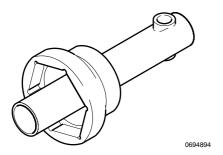
## 0694893

Shoulder bearing adjusting nut wrench (i.c.w. 0694790)



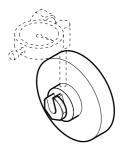
## 0694894

Hub nut wrench



#### 0694895

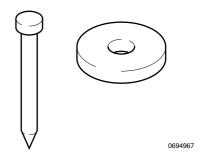
Adapter for wheel-bearing play inspection tool (i.c.w. 0535595; without micrometer gauge)



0694895

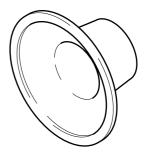
#### 0694967

Extension set for setting tool for pinion fitting dimension (i.c.w. 0535901)



#### 0694973

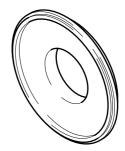
Pinion housing seal driving tool

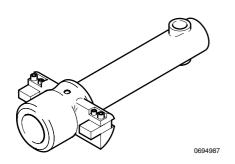


0694973

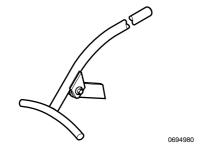
#### 0694986

Pinion housing seal driving tool





Halfshaft ejector tool



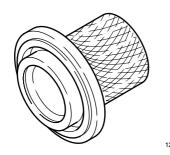
## 1240087

Measuring tool for pinion fitting dimension



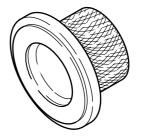
#### 1240088

Pinion housing seal driving tool



#### 1240089

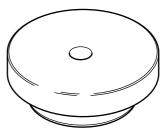
Pinion housing seal driving tool



1240089

#### 1240105

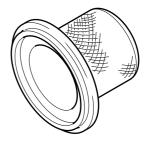
Driving tool for intermediate-axle differential input shaft seal (i.c.w. 0499809)



1240105

#### 1240106

Intermediate-axle differential output shaft seal driving tool



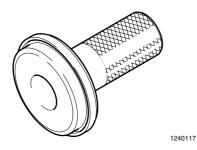
1240106

#### 1240114

200

Dummy bearing for axial play of tandem differential input shaft

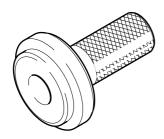




Intermediate-axle differential output shaft oil seal driving

#### 1240118

Intermediate-axle differential output shaft oil seal driving



1240118

1240119

Rear axle hub oil seal driving tool (i.c.w. 0484910)



1240119

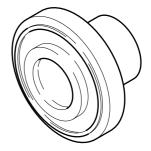
1240120

Rear axle hub oil seal driving tool (i.c.w. 0484910)



#### 1240452

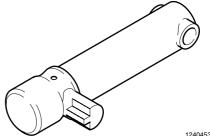
Pinion housing seal driving tool



1240452

#### 1240453

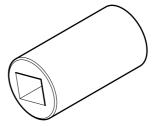
Adjusting nut wrench for satellite housing bearings (i.c.w. 0694790)



1240453

## 1310405

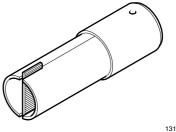
Pinion nut socket

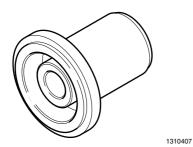


1310405

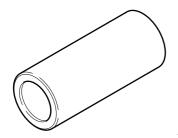
#### 1310406

Inspection tool for differential road drag





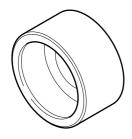
Inner bearing bush pinion driving tool



1310408

1310409

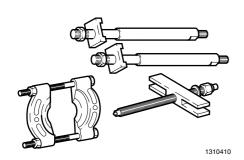
Inner shell pilot bearing pinion driving tool



1310409

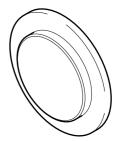
1310410

Differential gear bearing extractor



#### 1310411

Differential gear bearing extractor (i.c.w. 1310410)



1310411

#### 1310412

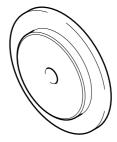
Differential housing bearing driving tool



1310412

## 1310413

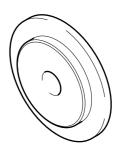
Pilot bearing pinion driving tool

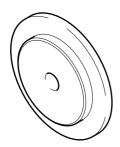


1310413

## 1310414

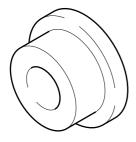
Pinion housing bearing driving tool





1310416

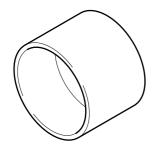
Driving tool for differential lock sleeve



1310416

1310441

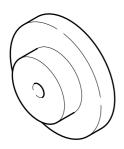
Differential housing bearing driving tool



1310441

1310443

Differential bearing driving tool



#### 1310444

Differential bearing driving tool



1310444

## 1310446

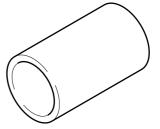
Pinion seal driving tool



1310446

## 1310447

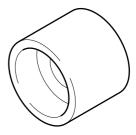
Pinion bearing driving tool

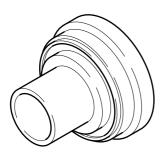


1310447

## 1310448

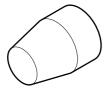
Pilot bearing pinion driving tool





1310472

Guide sleeve (part of 1310475)



1310472

1310473

Driving tool (part of 1310475)



1310473

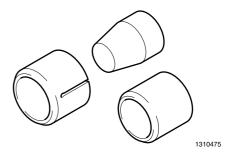
1310474

Pressure sleeve (part of 1310475)



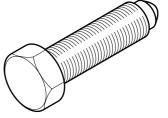
#### 1310475

Mounting tool for trailing axle lifting device hydraulic cylinder sealing ring



#### 1329447

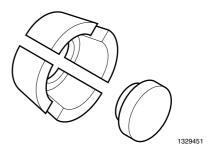
Lock bolt for differential lock



1329447

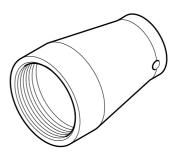
### 1329451

Shoulder bearing puller adapter (i.c.w. 0484820) (supersedes 0484826)

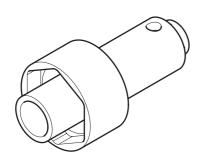


#### 1329465

Guide sleeve for disassembly/assembly of rear axle hub LF class  $3\,$ 



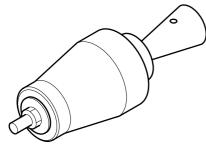
Hub nut wrench for rear axle, width across flats 105



1329466

#### 1329490

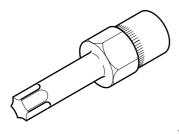
Rear axle guide sleeve (10 tonnes)



1329490

#### 1329493

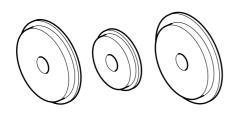
Torx T70 for removing/fitting hub drain plug i.c.w. lightweight metal rims



1329493

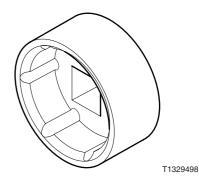
#### 1329497

Disassembly and assembly tools for FTP hub seal



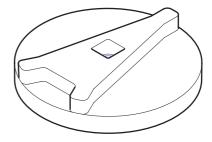
#### 1329498

Disassembly and assembly socket wrench for FTP hub cap



## 1453122

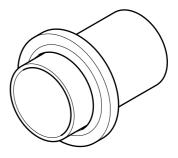
Adjusting nut wrench for leaf-sprung trailing axle



T1453122

## 1453141

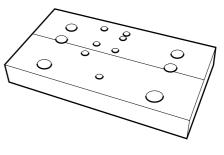
Seal mounting tool



A800503

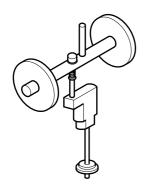
#### 1453157

Pinion fitting dimension measuring tool (i.c.w. 1240087)

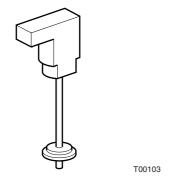


A800502

Adjusting tool kit



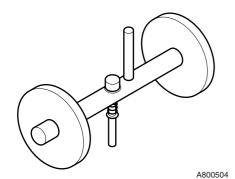
**1453175** Dummy pinion



T00103

1453176

Pinion depth bridge gauge



9 CHASSIS

#### **USE OF TABLE OF CONTENTS**

At the beginning of every group there is a table of contents containing the following columns:

- DAF code number of the special tool
- relevant vehicle series
- relevant main components or systems
- page number of the figure

If a tool is used for a main component, system or vehicle series, this is indicated by a code in the column (1-2-3-R).

This code has the following meaning:

- 1 tool for carrying out maintenance work and repair work resulting from it.
- 2 tool for frequently recurring work.
- 3 tool for less frequently recurring work.
- R replacement part of a tool.

#### Note

If a special tool does not occur in the relevant section, look in group 0 (General).

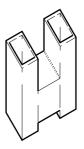
The special tool in question is then one that occurs in several groups.

CHASSIS 9

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0694948			1	1	1	1	1	1	1	1	1	1	1	1	214
0694949			1	1	1	1	1	1	1	1	1	1	1	1	214
0694950			1	1	1	1	1	1				1	1		214
0694951			1	1	1	1	1	1				1	1		215
1310426		R	R	R	R	R	R	R	R	R	R	R	R	R	215
1310470		R	R	R	R	R	R	R	R	R	R	R	R	R	215
1310471		R	R	R	R	R	R	R	R	R	R	R	R	R	215
1310476		1	1	1	1	1	1	1	1	1	1	1	1	1	216
1310478	3														216
1310479		1	1	1	1	1	1	1	1	1	1	1	1	1	216
1310480		R	R	R	R	R	R	R	R	R	R	R	R	R	216
1310481		R	R	R	R	R	R	R	R	R	R	R	R	R	217
1310482		R	R	R	R	R	R	R	R	R	R	R	R	R	217
1310483		R	R	R	R	R	R	R	R	R	R	R	R	R	217
1329348	3														217
1329396	3														218
1329397	3														218
1329398	3														218

#### 0694944

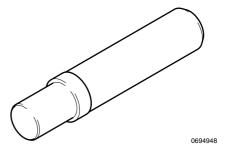
ECAS adjustment blocks



0694944

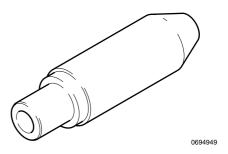
#### 0694948

Driving tool for leaf suspension shackle pin bearing



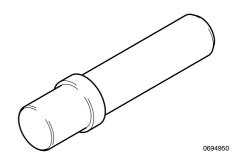
### 0694949

Driving tool for leaf suspension shackle bushes



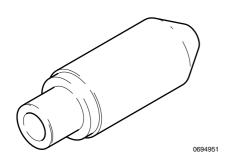
## 0694950

Driving tool for leaf suspension shackle pin bearing bushes



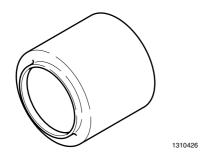
#### 0694951

Driving tool for leaf suspension shackle bushes



## 1310426

Guide sleeve (part of 1310476)



## 1310470

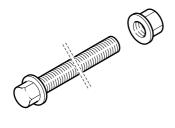
Bush (part of 1310476)



1310470

#### 1310471

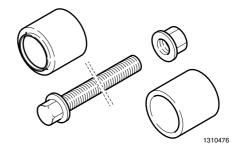
Threaded spindle (part of 1310476)



1310471

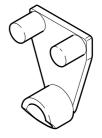
#### 1310476

Front axle stabiliser silent block puller



#### 1310478

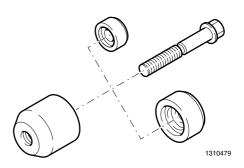
ECAS adjustment block 55 serie (up to 15 tonnes, up to chassis no. L155144)



1310478

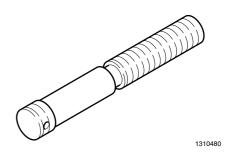
### 1310479

Rear axle stabiliser silent block puller

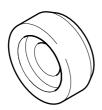


## 1310480

Threaded spindle (part of 1310479)



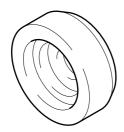
Thrust piece (part of 1310479)



1310481

1310482

Thrust piece (part of 1310479)



1310482

1310483

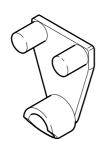
Bush (part of 1310479)



1310483

1329348

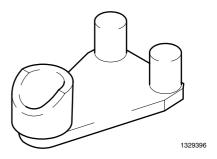
ECAS adjustment block 55 series FT (17/18-tonne vehicles)



1329348

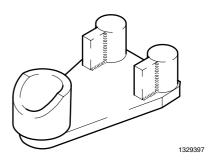
#### 1329396

ECAS adjustment block 55 serie (up to 15 tonnes, from chassis no. L155144)



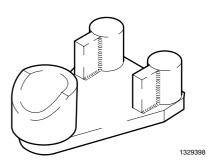
# 1329397

ECAS adjustment block 55 serie (17/18 tonnes, from chassis no. L156575)



## 1329398

ECAS adjustment block 55 serie (17/18 tonnes, up to chassis no. L156575)



0068325         38           0068327         38           0192492         120           0192494         12           0192506         166           0192507         166           0192508         166           0192509         166           0192536         82           0192537         82           0192538         82           0192539         82           0192540         83           0192541         83           0192542         83           0192543         84           0192544         83           0192545         84           0192546         84           0192547         84           0192548         84           0484800         38           0484829         132           0484829         132           0484845         150           0484853         167           0484899         12           0484910         192           0484938         150           0484966         85           0484977         12           0484902         167	DAF no.	Page
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