



# **YAMAHA**

## **PARTS CATALOGUE**

### **XJ650J (5N8)**

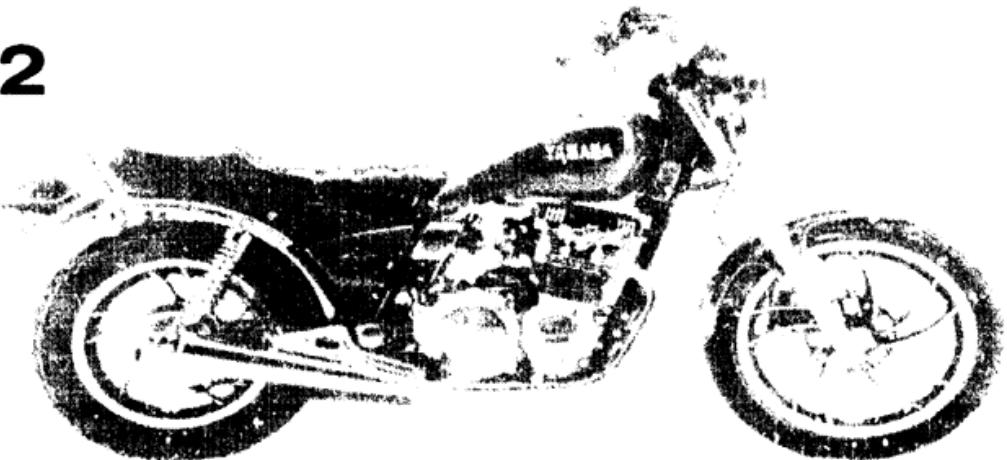
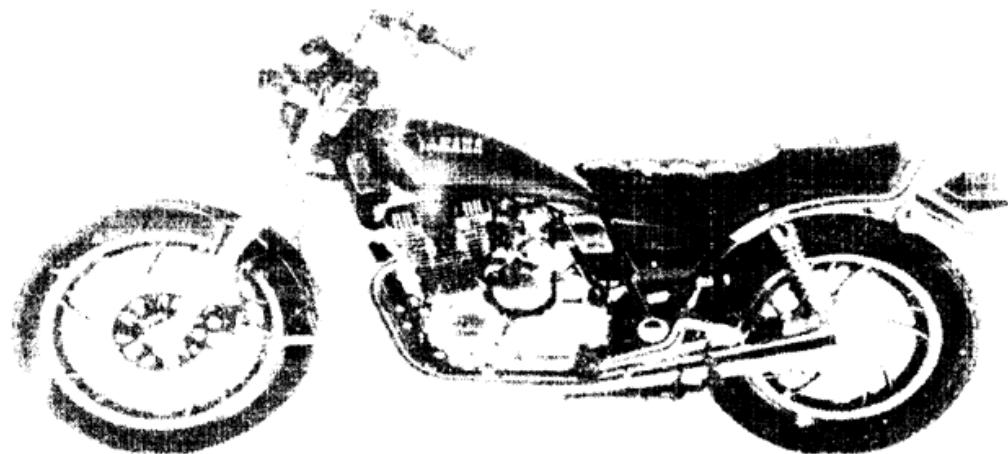
### **MODEL YEAR 1982**

Initial Serial No. and Color Code

- A. Frame Serial No. 5N8-000101 and following  
B. Engine Serial No. 5N8-000101 and following

PUBLICATION	PART NUMBER	REMARKS
OWNER'S MANUAL	LIT-11626-02-87	
SERVICE MANUAL	LIT-11616-XJ-60	
ASSEMBLY MANUAL	LIT-11666-01-94	SAME AS XJ650G
CONSUMER MANUAL	LIT-11656-02-87	
LEAFLET	LIT-11119-02-48	

MODEL - I.D. NUMBER	XJ650J-B	XJ650J-R	SN8
Initial Engine Number	5N8-000101	5N8-000101	
Frame Number			
Basic Color(s)	Black Blue (P)	Star Red (P)	
Fuel Type	Gasoline	Gasoline	
Fuel Tank Capacity	13 Lit.	3.4 Lit.	
Reserve Capacity			
Dry Vehicle Weight	203 kg		
ENGINE TYPE	4-Stroke, Air-Cooled, DOHC, Parallel Four		
Bore Stroke Number	63mm	52.4mm	4
Cylinders Displacement (cc)	663cc		
Compression Ratio	9.2:1		
Compression Pressure Min. Max	11 kg/cm <sup>2</sup>		





# YAMAHA

## PARTS CATALOGUE

### XJ650K (5N8)

### MODEL YEAR 1983

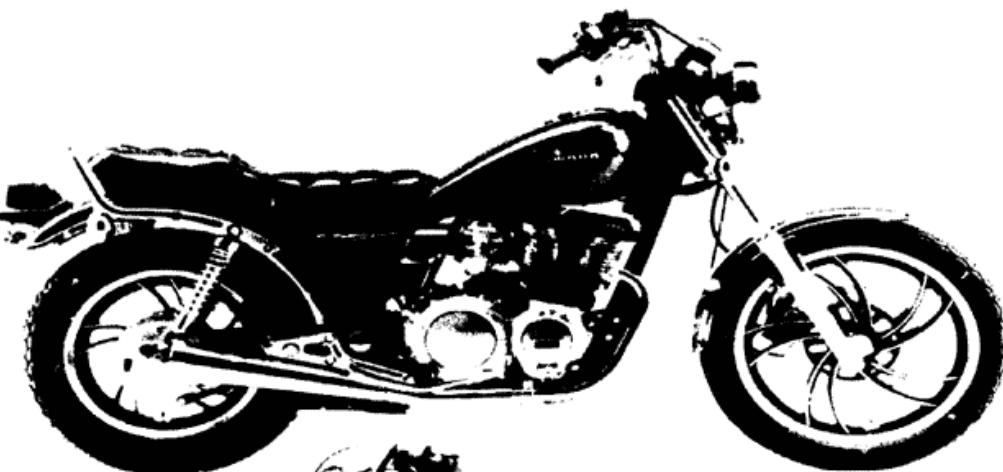
Initial Serial No

A Frame Serial No

5N8-050101 and following

B Engine Serial No

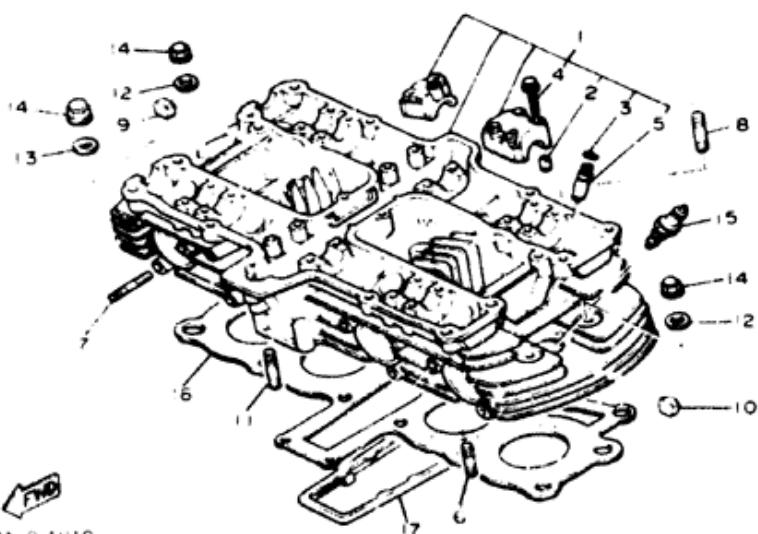
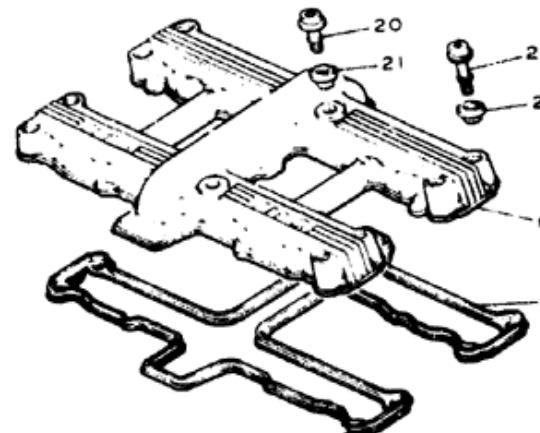
5N8-050101 and following



MODEL - MM L.D. NUMBER	XJ650K
Initial Engine Number / Frame Number	5N8-050101 / JYA5N800( )DA050101
Fuel Type/Total Fuel Tank Capacity/Reserve Cap.	Regular / 13 Lit. / 3.4 Lit.
DRIVE TYPE	4-Stroke, DOHC, Parallel Four
Bore/Stroke/Number Cylinders/Displacement	63mm / 52.4mm / 4 / 653cc
Compression Ratio/Compression Pressure Min~Max	9.2:1 / NA

PUBLICATION	PART NUMBER	REMARKS
Owner's Manual	LIT-11626-03-42	
Service Manual	LIT-11616-XJ-60	
Assembly Manual	LIT-11666-03-42	Same as XJ650J Supp. to XS / XJ / XV / XZ / RD Basic Assembly Manual (03-85)
Consumer Information	LIT-11656-03-42	

# CYLINDER HEAD XJ650J



5G21-0-1010

Ref. No.	Part Number	Description	Qty.	Remarks
1	5G2-11101-C0-00	CYLINDER HEAD ASS'Y .....	1	
2	91810-18016-00	PIN, dowel .....	12	
3	93440-12052-00	CIRCLIP.....	8	
4	90105-06153 00	BOLT, washer based .....	24	
5	4H7-11133-10-00	GUIDE, intake valve (1st O/S)	8	
6	95611-06625-00	BOLT, stud .....	2	
7	95611-06630-00	BOLT, stud .....	8	
8	95621-08330-00	BOLT, stud .....	2	
9	434-11161-00-00	ABSORBER 1.....	8	
10	4H7-11161-00-00	ABSORBER 1.....	14	
11	95611-06630-00	BOLT, stud .....	2	
12	90201-11597-00	WASHER, plate .....	10	
13	90201-10128-00	WASHER, plate .....	2	
14	90179-10277-00	NUT.....	12	
15	94701-00117-00	PLUG, spark (NGK BP-7ES) .....	1	
16	5N8-11181-00-00	GASKET, cylinder head 1.....	1	
17	5G2-11355-00-00	SEAL, cylinder 1 .....	1	
18	5G2-11191-10-00	COVER, cylinder head 1.....	1	
19	5G2-11193-00-00	GASKET, head cover 1.....	1	
20	90109-06604-00	BOLT .....	4	
21	4G0-1111G-00-00	RUBBER, mount 1 .....	4	
22	90109-06605-00	BOLT .....	8	
23	4U8-1112G-00-00	RUBBER, mount 2 .....	8	

Spark Plug Type

Spark Plug Gap Torque Cap  $\Omega$

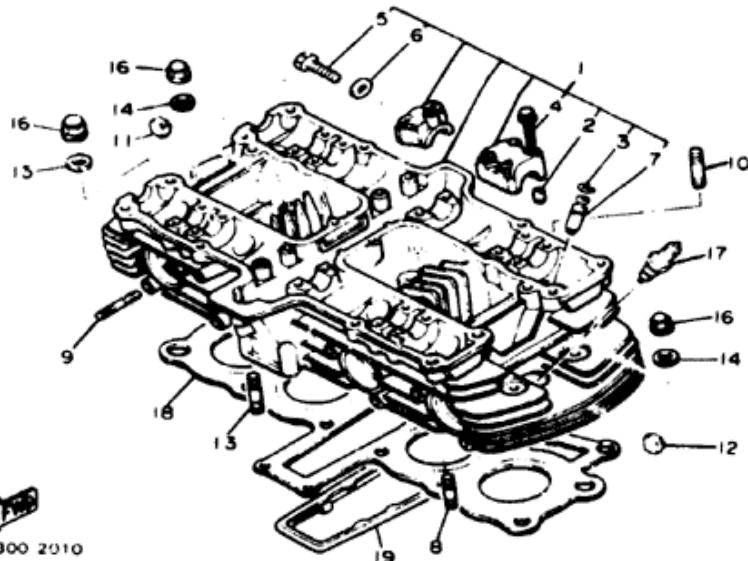
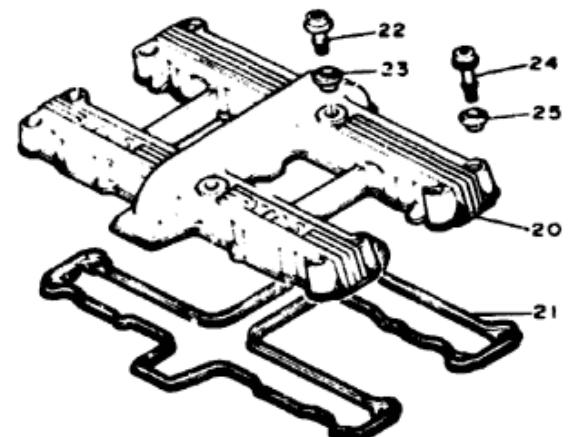
Cylinder Head

NGK BP7ES or Nippon Denso W22EP

0.7~0.8mm 2.0 m·kg Cyl. 1&4 5K  $\Omega$  Cyl. 2&3 10K  $\Omega$

10 x 1.25 3.2 m·kg Apply Oil

# CYLINDER HEAD XJ650K



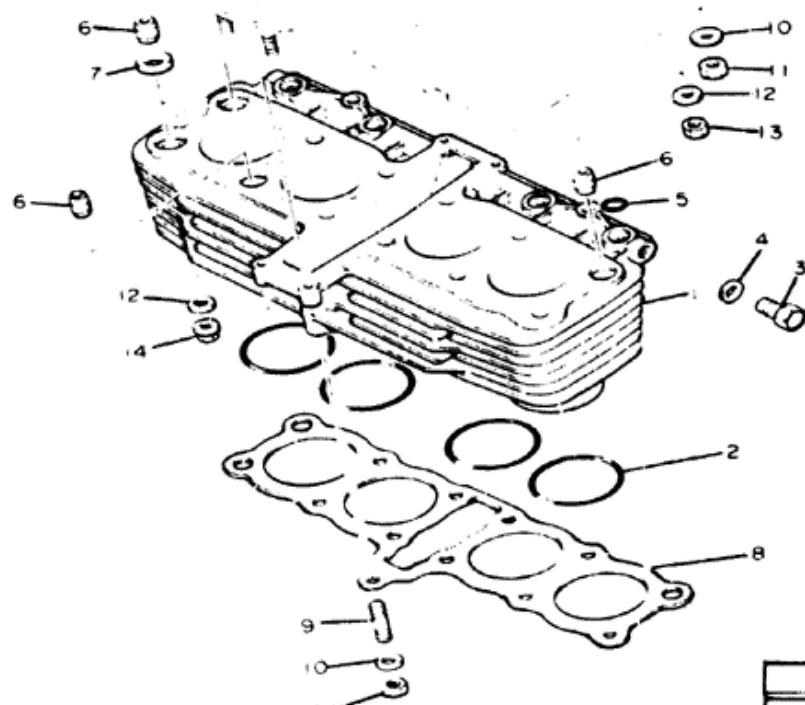
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Ref. No.	Part Number	Description	Qty.	Remarks
1	5G2-11101-00-00	CYLINDER HEAD ASS'Y .....	1	
2	91810-18016-00	PIN, dowel .....	12	
3	93440-12052-00	CIRCLIP.....	8	
4	90105-06153-00	BOLT, washer based .....	24	
5	90153-06029-00	SCREW, hexagon.....	1	
6	90430-06014-00	GASKET.....	1	
7	4H7-11133-10-00	GUIDE, intake valve (1st O/S)	8	
8	95611-06625-00	BOLT, stud .....	2	
9	95611-06630-00	BOLT, stud .....	8	
10	95621-08330-00	BOLT, stud .....	2	
11	434-11161-00-00	ABSORBER 1.....	8	
12	4H7-11161-00-00	ABSORBER 1.....	14	
13	95611-06630-00	BOLT, stud .....	2	
14	90201-11597-00	WASHER, plate .....	10	
15	90201-10128-00	WASHER, plate .....	2	
16	90179-10277-00	NUT.....	12	
*17	NGK-BP7ES-00-00	PLUG, spark (94701-00117) .....	4	U.R.
18	5N8-11181-00-00	GASKET, cylinder head 1 .....	1	
19	5G2-11355-00-00	SEAL, cylinder 1 .....	1	
20	5G2-11191-10-00	COVER, cylinder head 1 .....	1	
21	5G2-11193-00-00	GASKET, head cover 1 .....	1	
22	90109-06604-00	BOLT .....	4	
23	4G0-1111G-00-00	RUBBER, mount 1.....	4	
24	90109-06605-00	BOLT .....	8	
25	4U8-1112G-00-00	RUBBER, mount 2.....	8	

\* Indicates new part numbers activated from March, 1982.

Spark Plug Type	NGK BP7ES or ND W22EP-U
Spark Plug Gap / Torque / Cap Q	0.7 ~ 0.8mm / 2.0 m·kg / 1&4: SK9 2&3: 10KD
Cylinder Head Cover	M6: 1.0 m·kg
Cylinder Head:	M10: 3.2 m·kg

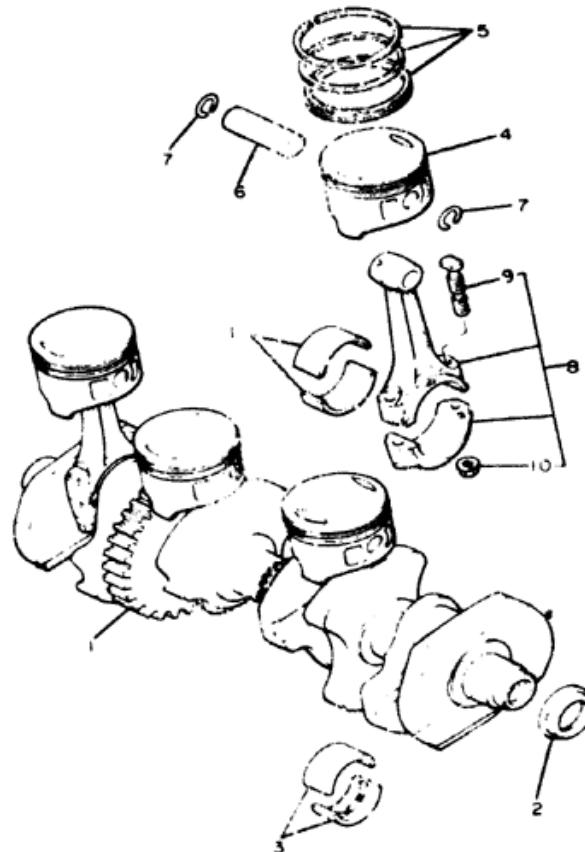
## CYLINDER



Ref. No.	Part Number	Description	Qty.	Remark
1	5N8-11310-10-00	CYLINDER .....	1	
2	93210-69434-00	O-RING .....	4	
3	9034U-12065-00	PLUG, straight screw .....	2	
4	90201-12790-00	WASHER, plate .....	2	
5	93210-09443-00	O-RING .....	4	
6	91830-24016-00	PIN, dowel .....	4	
7	90430-14131-00	GASKET .....	2	
8	4H7-11351-00-00	GASKET, cylinder .....	1	
9	95621-08330-00	BOLT, stud .....	1	
10	90201-08382-00	WASHER, plate .....	3	
11	95311-08600-00	NUT .....	3	
12	92901-06600-00	WASHER, plate .....	4	
13	95311-06600-00	MUT .....	2	
14	90179-06306-00	NUT .....	2	

Initial Engine Number	Frame Number	5N8-000101 5N8-000101
Bore Stroke Number Cylinders	Displacement (cc)	63mm 52.4mm 4 653cc
Compression Ratio	Compression Pressure Min~Max	9.2:1 11 kg/cm <sup>2</sup>

# CRANKSHAFT · PISTON



SV2110 2030

## CRANKSHAFT BEARING SELECTION

Housing No. — Shaft No. = Bearing No.

BEARING No.	PART No.	COLOUR
BEARING 1	4H7-11416-01	BLUE
BEARING 2	4H7-11416-11	BLACK
BEARING 3	4H7-11416-21	BROWN
BEARING 4	4H7-11416-31	GREEN
BEARING 5	4H7-11416-41	YELLOW

## CONNECTING ROD BEARING SELECTION

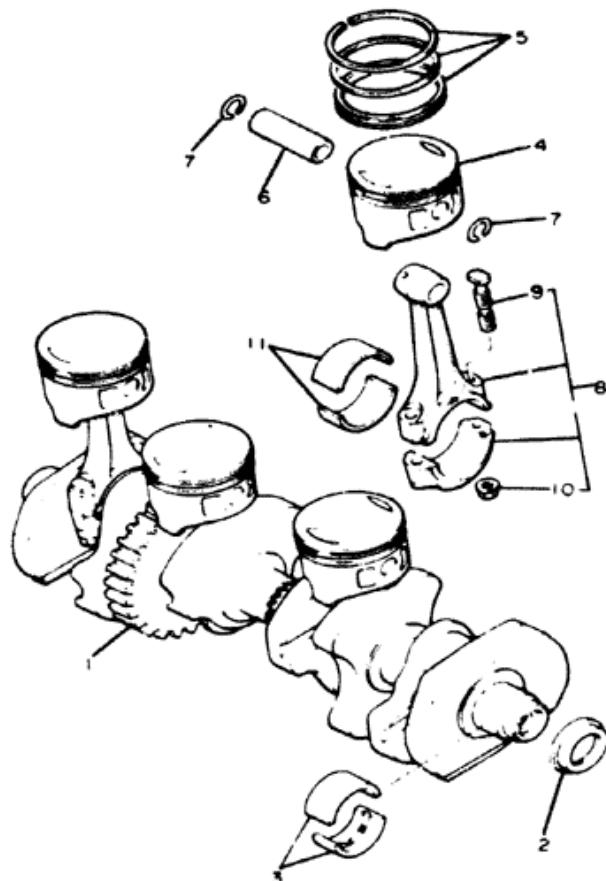
Housing No. — Shaft No. = Bearing No.

BEARING No.	PART No.	COLOUR
BEARING 1	4H7-11656-01	BLUE
BEARING 2	4H7-11656-11	BLACK
BEARING 3	4H7-11656-21	BROWN
BEARING 4	4H7-11656-31	GREEN

Ref. No.	Part Number	Description	Qty.	Remarks
1	4H7-11411-10-00	CRANKSHAFT .....	1	
2	93101-32088-00	GIL SEAL .....	1	
3	4H7-11416-01-00	PLANE BEARING, crankshaft 1	10	U.R. Blue
	4H7-11416-11-00	PLANE BEARING, crankshaft 1	10	U.R. Black
	4H7-11416-21-00	PLANE BEARING, crankshaft 1	10	U.R. Brown
	4H7-11416-31-00	PLANE BEARING, crankshaft 1	10	U.R. Green
	4H7-11416-41-00	PLANE BEARING, crankshaft 1	10	U.R. Yellow
4	4H7-11631-00-00	PISTON (STD) .....	4	
	4H7-11635-00-00	PISTON (1st O/S 0.25MM).....	4	Alternate Part
	4H7-11636-00-00	PISTON (2nd O/S 0.50MM) ...	4	Alternate Part
	4H7-11637-00-00	PISTON (3rd O/S 0.75MM)....	4	Alternate Part
	4H7-11638-00-00	PISTON (4th O/S 1.00MM)....	4	Alternate Part
5	4H7-11610-00-00	PISTON RING SET (STD) .....	4	
	4H7-11610-10-00	PISTON RING SET (1st O/S) ...	4	Alternate Part
	4H7-11610-20-00	PISTON RING SET (2nd O/S)...	4	Alternate Part
	4H7-11610-30-00	PISTON RING SET (3rd O/S) ...	4	Alternate Part
	4H7-11610-40-00	PISTON RING SET (4th O/S) ...	4	Alternate Part
6	4H7-11633-00-00	PIN, piston .....	4	
7	93450-17044-00	CIRCLIP .....	8	

Piston Skirt Clearance New	Max	0.030 ~ 0.050mm	0.1mm
Ring End Gap Top	2nd	0.15 ~ 0.35mm	0.15 ~ 0.35mm
	3rd		0.3 ~ 0.9mm

## CRANKSHAFT • PISTON



Ref. No.	Part Number	Description	Qty.	Remarks
8	4H7-Y1165-00-00	CONNECTING ROD ASS'Y.....	4	
9	4H7-11654-00-00	. BOLT, connecting rod .....	2	
10	90179-07307-00	. NUT .....	2	
11	4H7-11656-01-00	PLANE BEARING, connecting rod	8	U.R.
	4H7-11656-11-00	PLANE BEARING, connecting rod	8	U.R.
	4H7-11656-21-00	PLANE BEARING, connecting rod	8	U.R.
	4H7-11656-31-00	PLANE BEARING, connecting rod	8	U.R.

### CRANKSHAFT BEARING SELECTION

Housing No. - Shaft No. = Bearing No

BEARING No	PART No	COLOUR
BEARING 1	4H7-11416-01	BLUE
BEARING 2	4H7-11416-11	BLACK
BEARING 3	4H7-11416-21	BROWN
BEARING 4	4H7-11416-31	GREEN
BEARING 5	4H7-11416-41	YELLOW

### CONNECTING ROD BEARING SELECTION

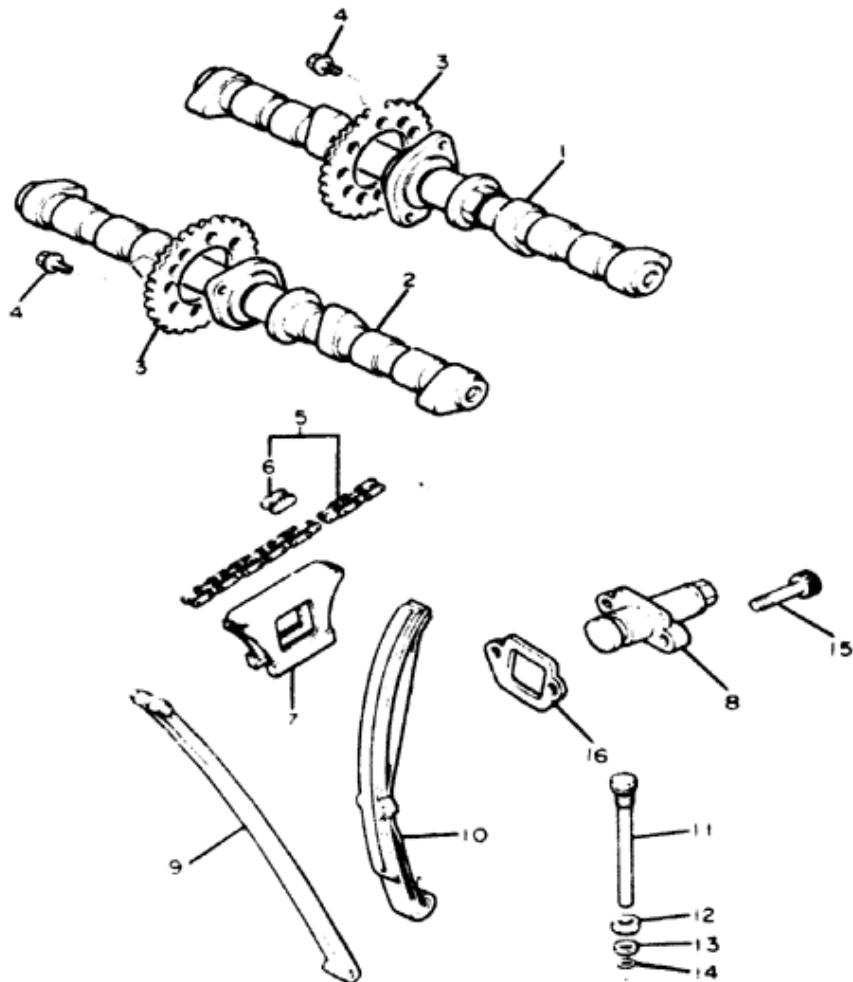
Housing No. - Shaft No. = Bearing No

BEARING No	PART No	COLOUR
BEARING 1	4H7-11656-01	BLUE
BEARING 2	4H7-11656-11	BLACK
BEARING 3	4H7-11656-21	BROWN
BEARING 4	4H7-11656-31	GREEN

Piston Skirt Clearance New Max  
Ring End Gap Top 2nd 3rd

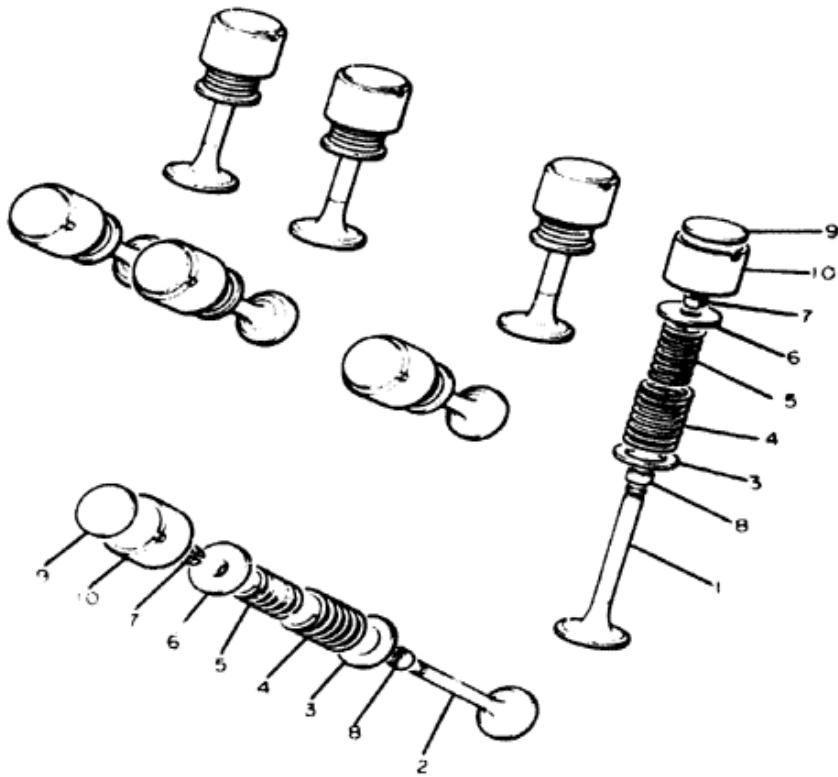
0.030 ~ 0.050mm 0.1mm  
0.15 ~ 0.35mm 0.15 ~ 0.35mm 0.3 ~ 0.9mm

## CAMSHAFT • CHAIN



Ref. No.	Part Number	Description	Qty.
1	4H7-12171-00-00	CAMSHAFT 1 .....	1
2	4H7-12181-00-00	CAMSHAFT 2 .....	1
3	4H7-12176-01-00	SPROCKET, cam chain (32T) ...	2
4	90105-07087-00	BOLT, washer based.....	4
5	94500-02120-00	CHAIN (BF05M-120L) .....	1
6	94600-02001-00	JOINT, chain.....	1
7	4H7-12241-00-00	GUIDE, stopper 2 .....	1
8	5G2-12210-10-00	TENSIONER ASS'Y, cam chain	1
9	4H7-12251-00-00	DAMPER, chain 1 .....	1
10	4H7-12252-00-00	DAMPER, chain 2 .....	1
11	90109-10570-00	BOLT .....	1
12	95301-10700-00	NUT.....	1
13	92901-08600-00	WASHER, plate.....	1
14	93210-08006-00	O-RING .....	1
15	91316-06025-00	BOLT .....	2
16	5G2-12213-00-00	GASKET, tensioner case .....	1

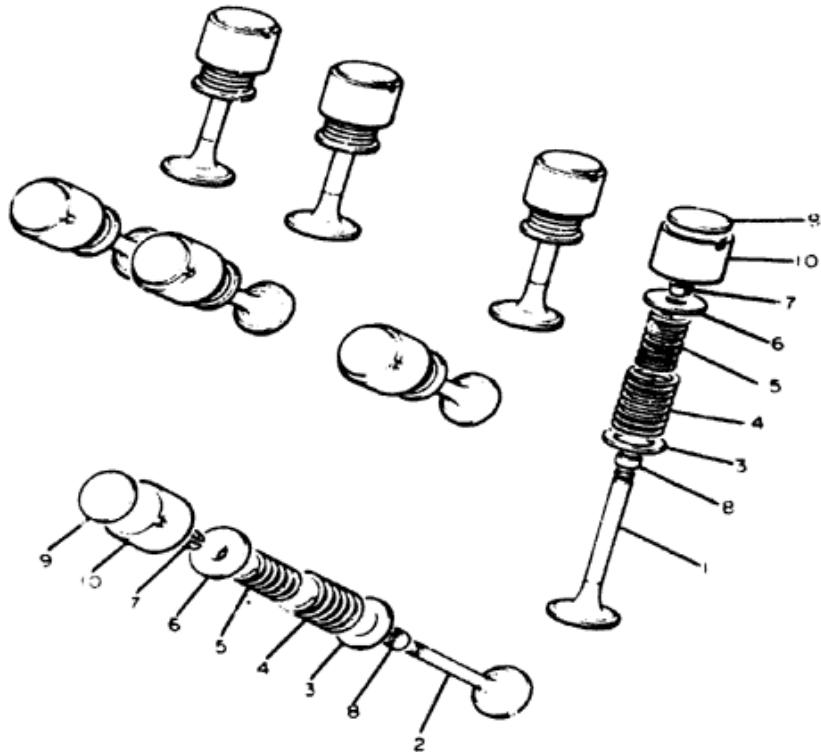
## VALVE



Ref. No.	Part Number	Description	Qty.	Remarks
1	4H7-12111-00-00	VALVE, intake .....	4	
2	4H7-12121-00-00	VALVE, exhaust.....	4	
3	4H7-12116-00-00	SEAT, valve spring .....	8	
4	4H7-12114-00-00	SPRING, valve outer.....	8	
5	4H7-12113-00-00	SPRING, valve inner.....	8	
6	2F3-12117-00-00	RETAINER, valve spring.....	8	
7	1J7-12118-00-00	COTTER, valve.....	16	
8	1J7-12119-01-00	SEAL, valve stem.....	8	
9	1J7-12169-01-00	PAD, adjusting (2.00) .....	8	U.R.
	1J7-12169-11-00	PAD, adjusting (2.05) .....	8	U.R.
	1J7-12169-21-00	PAD, adjusting (2.10) .....	8	U.R.
	1J7-12169-31-00	PAD, adjusting (2.15) .....	8	U.R.
	1J7-12169-41-00	PAD, adjusting (2.20) .....	8	U.R.
	1J7-12169-51-00	PAD, adjusting (2.25) .....	8	U.R.
	1J7-12169-61-00	PAD, adjusting (2.30) .....	8	U.R.
	1J7-12169-71-00	PAD, adjusting (2.35) .....	8	U.R.
	1J7-12169-81-00	PAD, adjusting (2.40) .....	8	U.R.
	1J7-12169-91-00	PAD, adjusting (2.45) .....	8	U.R.
	1J7-12169-A1-00	PAD, adjusting (2.50) .....	8	U.R.
	1J7-12169-E1-00	PAD, adjusting (2.55) .....	8	U.R.

Valve Clearance (Cold) Intake Exhaust      0.11mm ~ 0.15mm 0.16mm ~ 0.20mm

## VALVE



Ref. No.	Part Number	Description	Qty.	Remarks
9	1J7-12169-F1-00	PAD, adjusting (2.60) .....	8	U.R.
	1J7-12169-G1-00	PAD, adjusting (2.65) .....	8	U.R.
	1J7-12169-H1-00	PAD, adjusting (2.70) .....	8	U.R.
	1J7-12169-J1-00	PAD, adjusting (2.75) .....	8	U.R.
	1J7-12169-K1-00	PAD, adjusting (2.80) .....	8	U.R.
	1J7-12169-L1-00	PAD, adjusting (2.85) .....	8	U.R.
	1J7-12169-M1-00	PAD, adjusting (2.90) .....	8	U.R.
	1J7-12169-N1-00	PAD, adjusting (2.95) .....	8	U.R.
	1J7-12169-R1-00	PAD, adjusting (3.00) .....	8	U.R.
	1J7-12169-T1-00	PAD, adjusting (3.05) .....	8	U.R.
	1J7-12169-U1-00	PAD, adjusting (3.10) .....	8	U.R.
	1J7-12169-V1-00	PAD, adjusting (3.15) .....	8	U.R.
	1J7-12169-W1-00	PAD, adjusting (3.20) .....	8	U.R.
10	4H7-12153-01-00	LIFTER, valve .....	8	

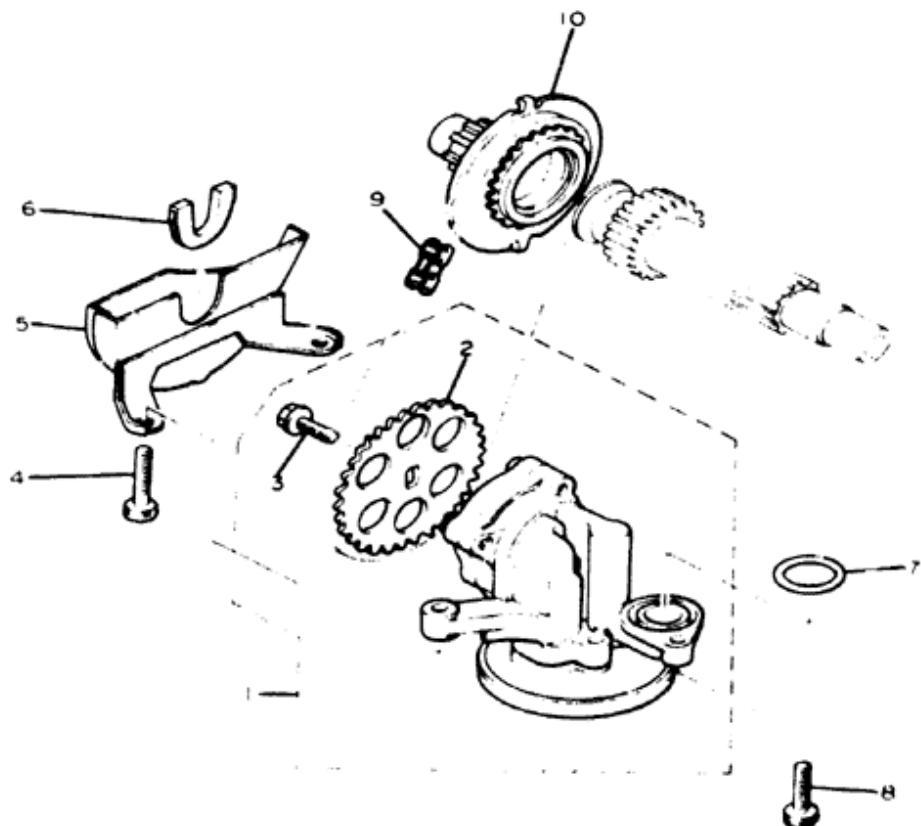
4H7-12153-005G

Valve Clearance (Cold) Intake Exhaust

0.11mm ~ 0.15mm 0.16mm ~ 0.20mm

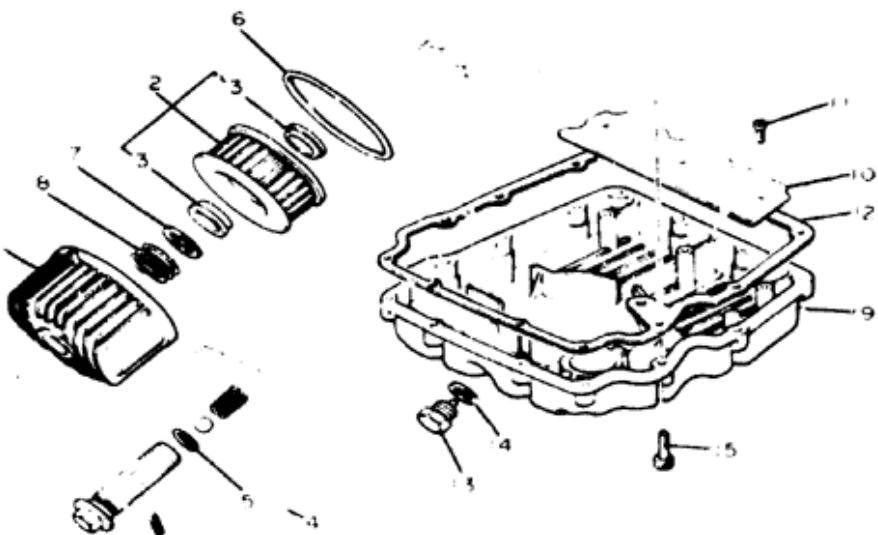
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## OIL PUMP



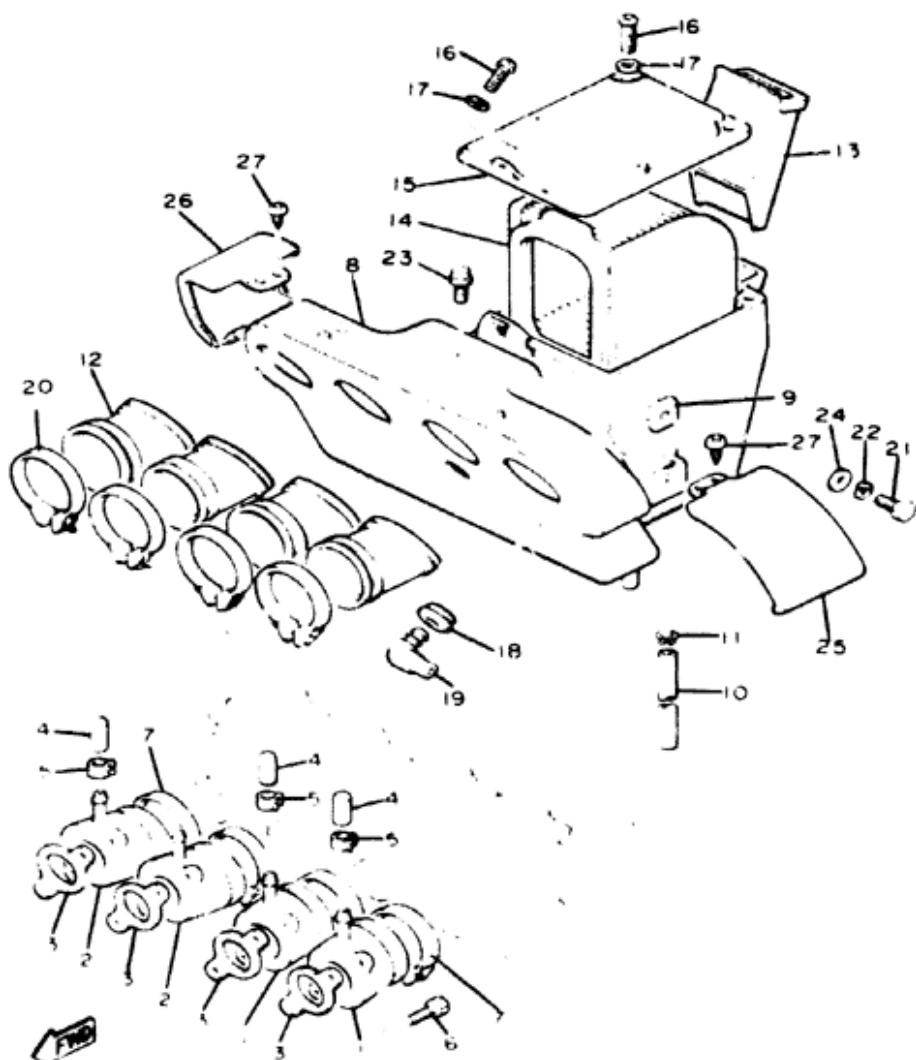
Ref. No.	Part Number	Description	Qty.
1	5G2-13300-00-00	OIL PUMP ASS'Y .....	1
2	5G2-13355-00-00	SPROCKET, driven.....	1
3	90105-06154-00	BOLT, washer based .....	1
4	90110-06035-00	BOLT, hexagon socket head .....	2
5	4H7-13327-00-00	COVER, pump gear.....	1
6	4H7-13328-00-00	GROMMET, gear cover .....	1
7	93210-18319-00	O-RING.....	1
8	91316-06025-00	BOLT .....	1
9	94580-25062-00	CHAIN (DID25 62L) .....	1
10	4H7-13354-00-00	SPROCKET, drive (25T) .....	1

## OIL CLEANER



Ref. No.	Part Number	Description	Qty.
1	4H7-13447-00-00	COVER, oil element .....	1
2	1L9-13440-91-00	ELEMENT, oil cleaner (1L9-13440-90) .....	1
3	90480-23193-00	GROMMET .....	2
4	1L9-13340-01-00	BY PASS VALVE ASS'Y.....	1
5	93210-16325-00	. O-RING .....	1
6	93210-88324-00	O-RING.....	1
7	90201-21608-00	WASHER, plate .....	1
8	90501-20422-00	SPRING, compression .....	1
9	4H7-13417-02-00	COVER, strainer .....	1
10	4H7-13337-00-00	PLATE, baffle lower .....	1
11	92503-06010-00	SCREW, pan head (92501-06010)	3
12	4H7-13414-01-00	GASKET, strainer cover (4H7-13414-00).....	1
13	90340-14C42-00	PLUG, straight screw .....	1
14	214-11198-01-00	GASKET .....	1
15	91316-06030-00	BOLT .....	13

# INTAKE

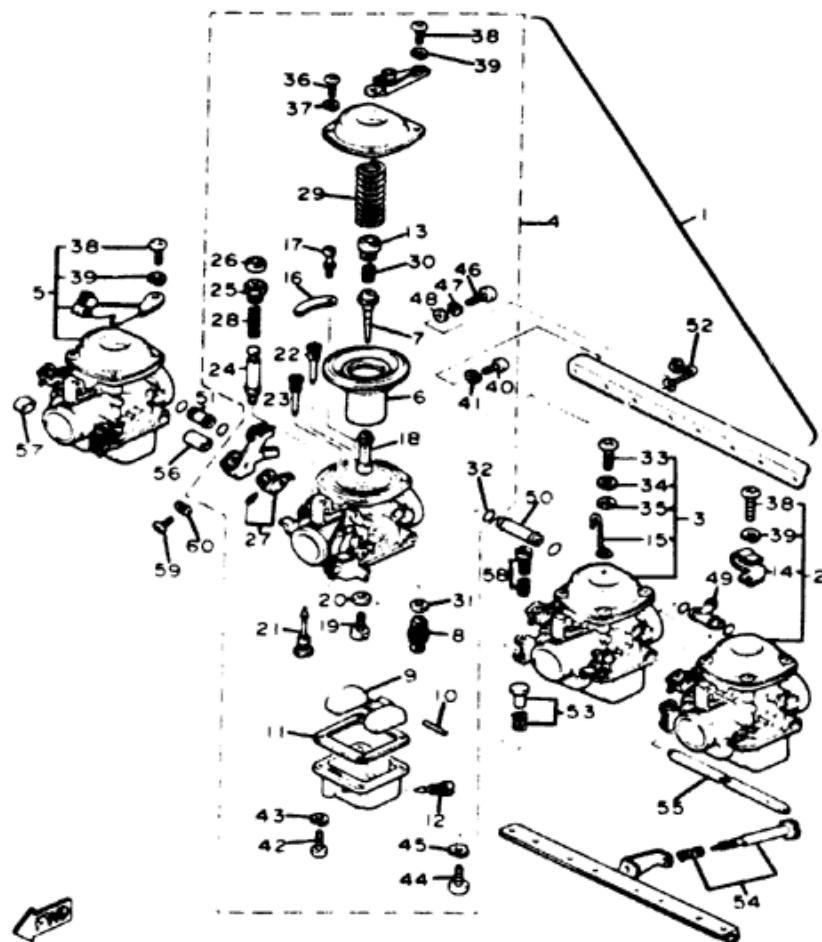


5N811-2 2080

Ref. No.	Part Number	Description	Qty.
1	5G2-13586-01-00	JOINT, carburetor 1 .....	2
* 2	5G2-13596-01-00	JOINT, carburetor 2 (5G2-13596-00).....	2
3	4H7-13556-01-00	GASKET, manifold.....	4
4	1J7-13569-00-00	PLUG, blind .....	3
5	90467-10039-00	CLIP.....	3
6	91316-06020-00	BOLT .....	8
7	90460-49160-00	CLAMP, hose.....	4
8	4H7-14401-00-00	AIR CLEANER CASE ASS'Y .....	1
9	4H7-14484-00-00	PLATE, cleaner case fitting .....	1
10	90445-11182-00	HOSE.....	1
11	90467-09006-00	CLIP.....	1
12	4H7-14453-00-00	JOINT, air cleaner 1 .....	4
13	4H7-14437-00-00	DUCT.....	1
14	4H7-14451-00-00	ELEMENT, air cleaner .....	1
15	4H7-14412-00-00	CAP, cleaner case 1 .....	1
16	92503-06012-00	SCREW, pan head (92501-06012)	3
17	92901-06600-00	WASHER (92902-06600).....	3
18	90480-16278-00	GROMMET.....	1
19	4H7-14419-00-00	PIPE.....	1
20	90460-56105-00	CLAMP, hose.....	4
21	97301-06018-00	BOLT .....	1
22	92903-06100-00	WASHER, spring (92901-06100)	1
23	90119-06029-00	BOLT, with washer .....	1
24	90201-06067-00	WASHER, plate .....	1
25	4H7-1441A-00-00	COVER, cleaner case 1 .....	1
26	4H7-1441E-00-00	COVER, cleaner case 2 .....	1
27	97701-50110-00	SCREW, panhead tapping .....	4

\*Indicates new part numbers activated from March, 1983.

## CARBURETOR

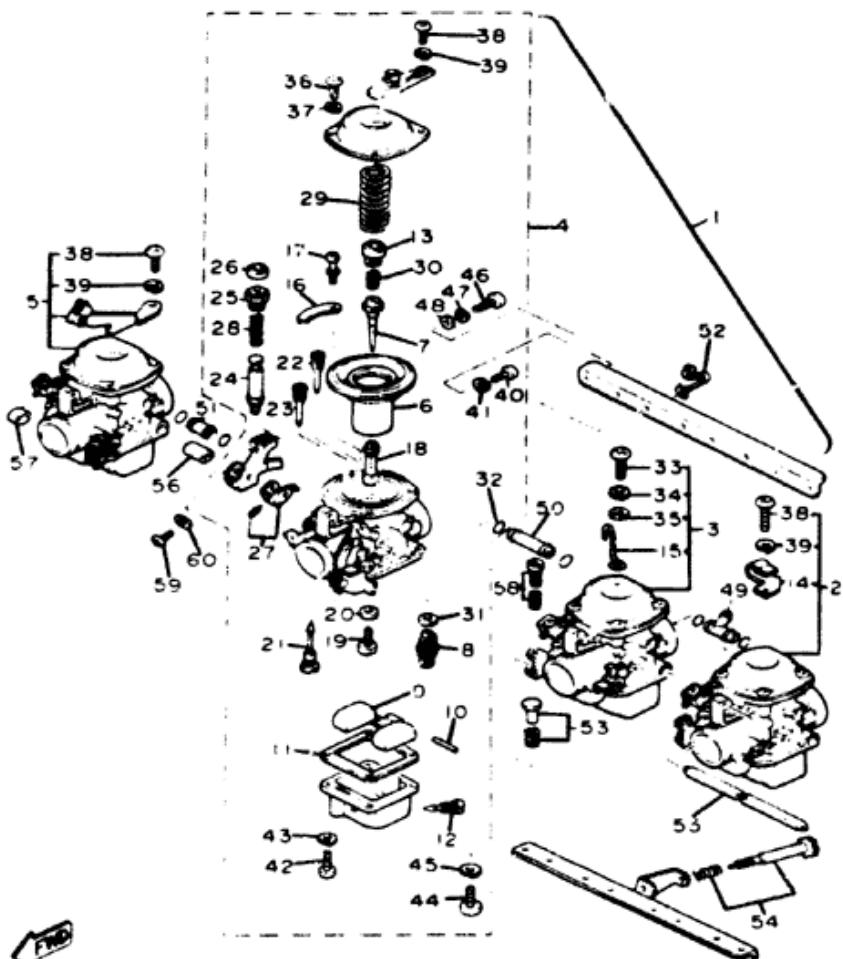


SNR 1990

Ref. No.	Part Number	Description	Qty.	Remarks
1	(5N8-14900-00-00)	CARBURETOR ASS'Y.....	1	N/A
* 2	5N8-14901-01-00	CARBURETOR ASS'Y 1 (5N8-14901-00) .....	1	
* 3	5N8-14902-01-00	CARBURETOR ASS'Y 2 (5N8-14902-00) .....	1	
4	5N8-14903-01-00	CARBURETOR ASS'Y 3 (5N8-14903-00) .....	1	
* 5	5N8-14904-01-00	CARBURETOR ASS'Y 4 (5N8-14904-00) .....	1	
6	4H7-14940-00-00	DIAPHRAGM ASS'Y.....	4	
7	4H7-14917-10-00	JET, needle .....	4	
8	4H7-14990-00-00	NEEDLE VALVE ASS'Y.....	4	
9	4H7-14985-00-00	FLOAT.....	4	
10	4H7-14186-00-00	PIN, float .....	4	
11	4H7-14984-00-00	GASKET, float chamber .....	4	
12	4H7-14191-01-00	PLUG, drain (4H7-14191-00)	4	
13	4H7-14936-00-00	SEAT, spring .....	4	
14	4H7-14159-00-00	CLIP .....	1	
15	4H7-14139-00-00	CLIP, pipe.....	1	
16	4H7-14527-00-00	PLATE.....	4	
17	4H7-14325-00-00	SCREW, pan head.....	4	
18	4H7-14921-32-00	NOZZLE, main .....	4	
19	4H7-14925-10-00	JET, main (# 110) .....	4	
20	4H7-14945-00-00	WASHER, main jet .....	4	

CARBURATOR • Mfr. / Type / I.D. Number	Hitachi HSC32 5N8-00
Main Jet / Pilot Jet	110 / 40
Needle Jet / Jet Needle-Clip Position	3.2 Y-1C Fixed
Slide Cutaway or Throttle Valve	130
Fuel Level / Fuel Level	NA ~ 2 ~ 4mm
Idle rpm	1050 rpm
Max CO* / Max HC* / Set CO	5.0% 800 ppm 3.0% (All Settings @ Idle)

## CARBURETOR

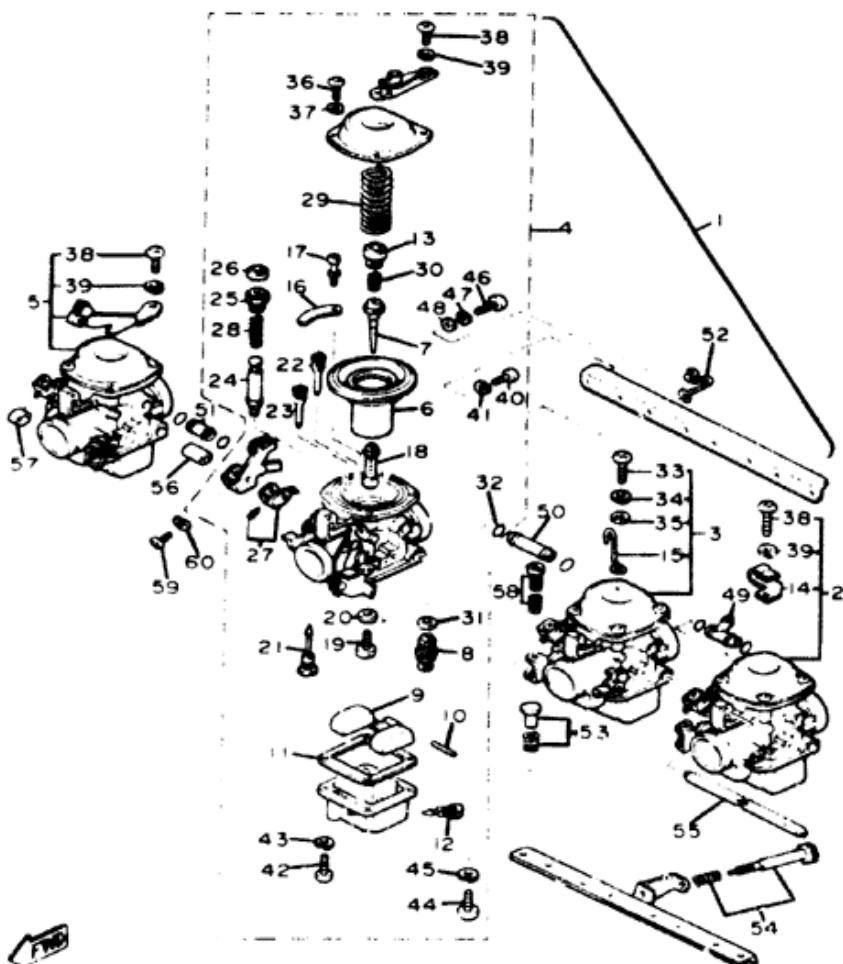


Ref. No.	Part Number	Description	Qty.	Remarks
21	4H7-14948-40-00	JET, pilot (#40).....	4	
22	4H7-14928-10-00	JET, main air (#50).....	4	
23	4H7-14949-41-00	JET, pilot air .....	4	
24	4H7-14171-00-00	PLUNGER, starter.....	4	
25	4H7-14174-00-00	CAP, plunger .....	4	
26	4H7-14173-00-00	COVER, plunger cap.....	4	
27	5G2-W1495-00-00	STARTER LEVER SET .....	4	
28	4H7-14135-00-00	SPRING, plunger.....	4	
29	4H7-14933-00-00	SPRING, diaphragm .....	4	
30	4H7-14589-00-00	SPRING .....	4	
31	4H7-14952-00-00	WASHER .....	4	
32	3J3-14147-00-00	O-RING.....	6	
33	98503-04010-00	SCREW, pan head .....	1	
34	92901-04100-00	WASHER, spring.....	1	
35	92901-04600-00	WASHER, plate.....	1	
36	98501-04008-00	SCREW, pan head .....	10	
37	92901-04100-00	WASHER, spring.....	10	
38	98503-04010-00	SCREW, pan head .....	5	
39	92901-04100-00	WASHER, spring.....	5	
40	96501-05010-00	SCREW, pan head .....	7	

### CARBURETOR - Mfr. / Type / I.D. Number

Main Jet / Pilot Jet	Hitachi HSC32 SN8-00
Needle Jet / Jet Needle-Clip Position	110 40
Slide Cutaway at Throttle Valve	3.2 Y-1O Fixed
Fuel Level	130
Idle rpm	NA 2 ~ 4mm
Max CO% / Max HC% Set CO	1050 rpm
	5.0% 800 ppm 3.0% (All Settings @ Idle)

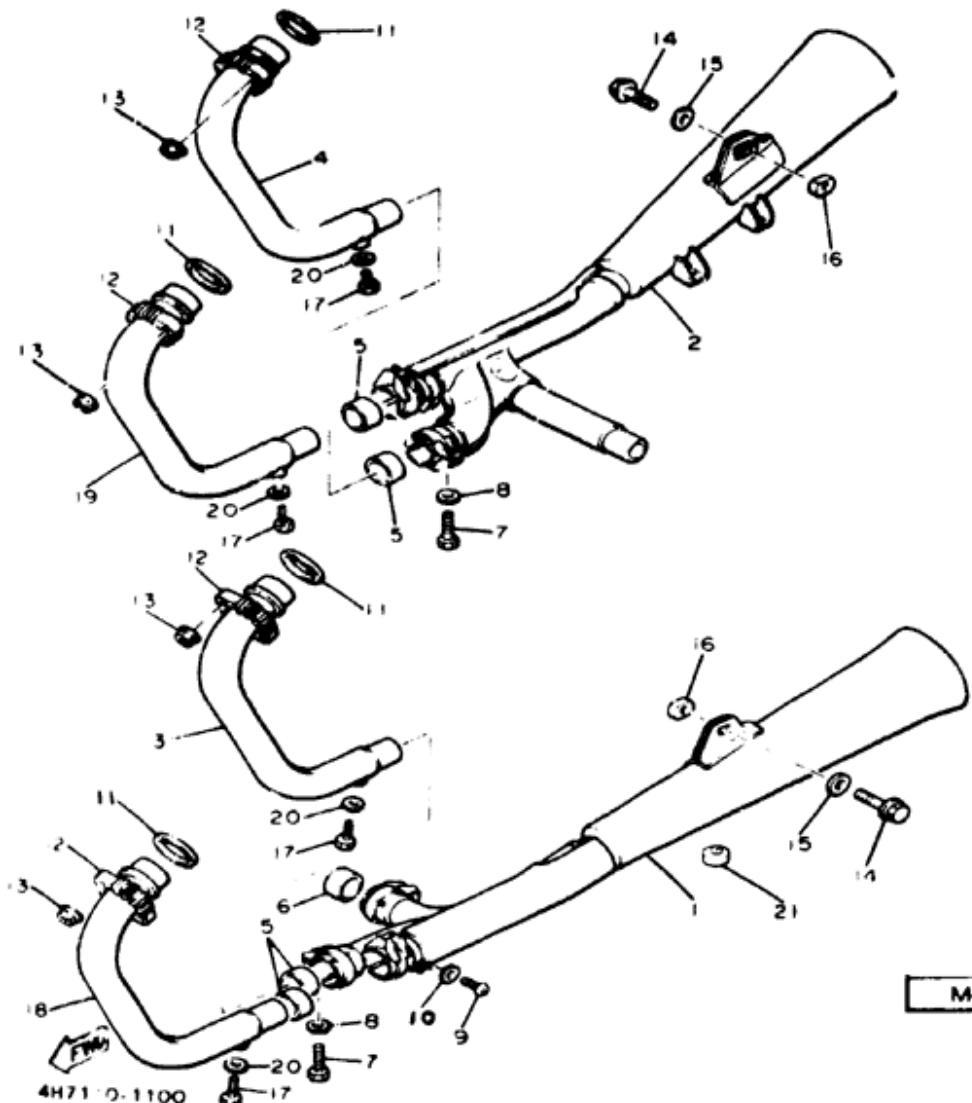
# CARBURETOR



Ref. No.	Part Number	Description	Qty.	Remarks
41	92903-05100-00	WASHER, spring (92901-05100)	7	
42	98501-05016-00	SCREW, pan head	16	
43	92903-05100-00	WASHER, spring (92901-05100)	16	
44	92503-06012-00	SCREW, pan head (92501-06012)	8	
45	92903-06100-00	WASHER, spring (92901-06100)	8	
	98503-05012-00	SCREW, pan head (98501-05012)	1	
47	92903-05100-00	WASHER, spring (92901-05100)	1	
48	92901-05600-00	WASHER, plate	1	
49	4H7-14988-00-00	PIPE, starter connecting	1	
50	4H7-14188-00-00	CONNECTOR	1	
51	4H7-14189-00-00	CONNECTOR	1	
52	4H7-14919-00-00	CLIP	1	
53	5G2-W1492-00-00	THROTTLE ADJUST SCREW SET 2	3	
54	5G2-W1493-00-00	THROTTLE ADJUST SCREW SET 3	1	
55	5G2-14978-00-00	SHAFT, starter lever	1	
56	4H7-14998-00-00	BUSH	1	
57	4H7-14973-00-00	WASHER	1	
58	5G2-W1491-00-00	THROTTLE ADJUST SCREW SET 1	3	
59	98502-03016-00	SCREW, pan head	1	
60	92903-03100-00	WASHER, spring (92901-03100)	1	

CARBURETOR - Mr. / Type / I.D. Number	Hitachi HSC32 5N8-00
Main Jet / Pilot Jet	110 40
Needle Jet / Jet Needle-Clip Position	3.2 Y-1O Fixed
Slide Cutaway or Throttle Valve	130
Float Level / Fuel Level	NA 2 ~ 4mm
Idle rpm	1050 rpm
Max CO% / Max HC% / Set CO	5.0% 800 ppm 3.0% (All Settings @ Idle)

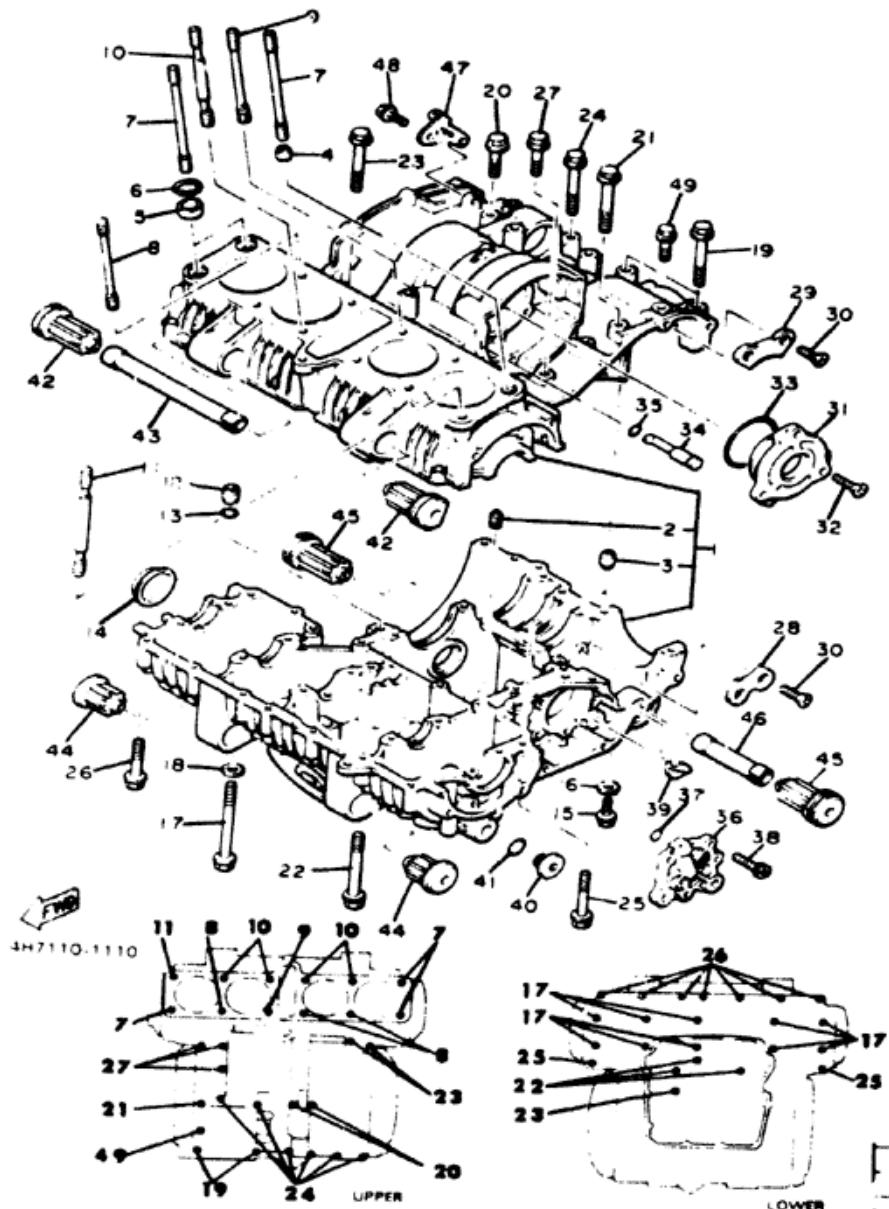
## EXHAUST



Ref. No.	Part Number	Description	Qty.
1	4H7-14710-01-00	MUFFLER ASS'Y 1 . . . . .	1
2	4H7-14720-01-00	MUFFLER ASS'Y 2 . . . . .	1
3	4H7-14621-02-00	PIPE, exhaust 2 . . . . .	1
4	4H7-14631-02-00	PIPE, exhaust 3 . . . . .	1
5	4H7-14755-00-00	GASKET, silencer . . . . .	4
6	4H7-14714-00-00	GASKET, muffler . . . . .	1
7	97311-08025-00	BOLT . . . . .	5
8	92901-08600-00	WASHER, plate . . . . .	5
9	92501-06025-00	SCREW, pan head . . . . .	2
10	92901-06600-00	WASHER, plate . . . . .	2
11	4H7-14613-00-00	GASKET, exhaust pipe . . . . .	4
12	4H7-14612-00-00	NUT, ring . . . . .	4
13	90179-06306-00	NUT . . . . .	8
14	95801-10040-00	BOLT, flange . . . . .	2
15	90201-10669-00	WASHER, plate . . . . .	2
16	90179-10276-00	NUT . . . . .	2
17	97313-06012-00	BOLT . . . . .	4
18	4H7-14611-02-00	PIPE, exhaust 1 . . . . .	1
19	4H7-14641-02-00	PIPE, exhaust 4 . . . . .	1
20	92903-06600-00	WASHER, plate . . . . .	4
21	1A0-27114-00-00	STOPPER, main stand . . . . .	1

Max CO\* / Max HC\* / Set CO (Using YICS Tool)

5% / 800 ppm / 3% (All Settings @ Idle)



## **CRANKCASE**

Ref. No.	Part Number	Description	Qty.	Remarks
1	4H7-15100-03-00	CRANKCASE ASS'Y (4H7-15100-02)	1	
2	4H7-15138-00-00	. NOZZLE 1 .....	3	
3	91830-22016-00	. PIN, dowel .....	3	
4	91830-24016-00	PIN, dowel .....	1	
5	90387-16547-00	COLLAR .....	2	
6	93210-18322-00	O-RING .....	2	
7	90116-10330-00	BOLT, stud .....	3	
8	90116-10329-00	BOLT, stud .....	3	
9	90116-10328-00	BOLT, stud .....	1	
10	4H7-11363-00-00	BOLT, cylinder holding 3 .....	4	
11	4H7-11364-00-00	BOLT, cylinder holding 4 .....	1	
12	91830-22016-00	PIN, dowel .....	1	
13	93210-11124-00	O-RING .....	1	
14	4H7-15167-10-00	PLUG (90338-48105) .....	1	
15	90105-08003-00	BOLT, washer based .....	1	
16	90201-08087-00	WASHER, plate .....	1	
17	95811-08105-00	BOLT, flange .....	10	
18	90201-08366-00	WASHER, plate .....	8	
19	95811-08065-00	BOLT, flange .....	2	
20	95811-06135-00	BOLT, flange .....	2	
21	95811-06120-00	BOLT, flange .....	1	
22	95811-06080-00	BOLT, flange .....	3	
23	95811-06070-00	BOLT, flange .....	3	
24	95811-06060-00	BOLT, flange .....	6	
25	95811-06055-00	BOLT, flange .....	2	

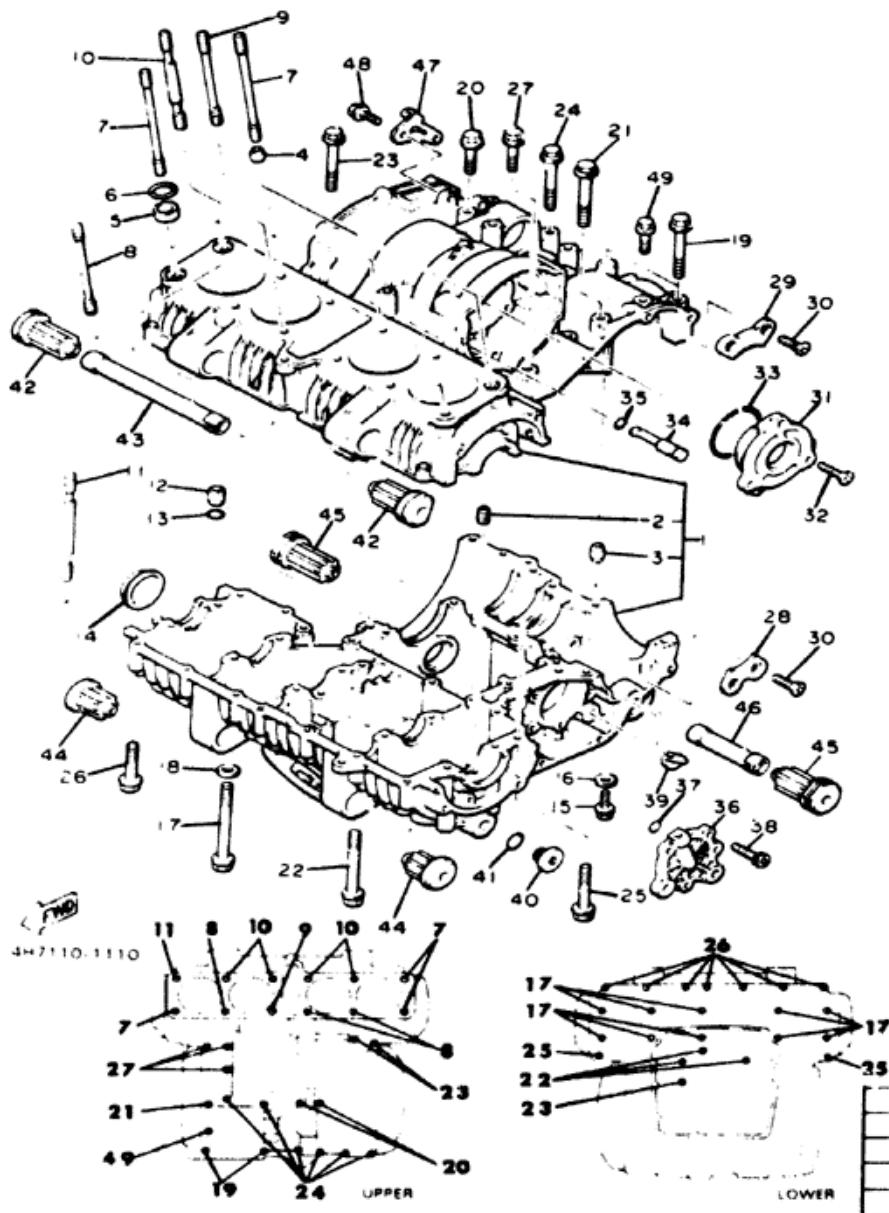
**Jiling System**  
**Capacity: Dry**  
**Oil and Filter Change**  
**Oil Change**  
**Lubricant Temp. Above 5°C (40°F)**  
**Temp. Below 15°C (60°F)**  
**Drain Plug**

**Wet Sump**  
3500cc  
2650cc  
2350cc  
**Yamalube 4° or SAE 20W40 SE**  
**SAE 10W30 SE**

### **Drain Plug**

14 x 15: 4.3 m · kg

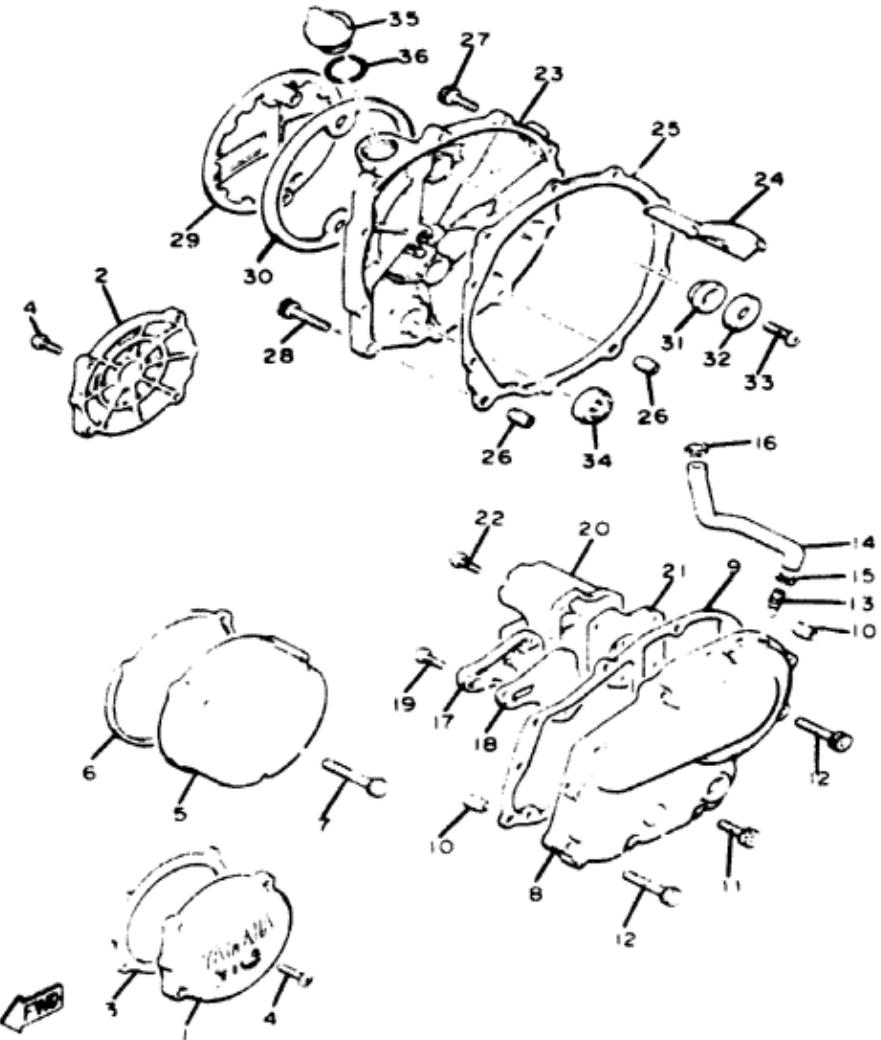
## CRANKCASE



Ref. No.	Part Number	Description	Qty.	Remarks
26	95811-08045-00	BOLT, flange.....	7	
27	95811-06035-00	BOLT, flange.....	3	
28	4H7-15381-00-00	PLATE, bearing cover.....	1	
29	4H7-15383-00-00	PLATE, bearing cover.....	1	
30	90149-08152-00	SCREW.....	4	
31	4H7-15163-01-00	HOUSING, bearing 1 .....	1	
32	90151-06014-00	SCREW, countersunk.....	3	
33	93210-62439-00	O-RING.....	1	
34	4H7-13454-00-00	NOZZLE.....	1	
35	93210-07435-00	O-RING.....	1	
36	5G2-15164-00-00	HOUSING, bearing 2 .....	1	
37	93210-07438-00	O-RING.....	1	
38	91311-06020-00	BOLT .....	3	
39	4H7-15365-00-00	GROMMET.....	1	
40	4H7-15189-00-00	PLUG.....	2	
41	93210-21276-00	O-RING.....	2	
42	4H7-15326-00-00	DAMPER, engine mount 2.....	2	
43	4H7-15317-00-00	SPACER, engine mount .....	1	
44	4H7-15316-00-00	DAMPER, engine mount 1 .....	2	
45	2H7-15326-01-00	DAMPER, engine mount 2.....	2	
46	4H7-15327-00-00	SPACER, engine mount .....	1	
47	4H7-15441-01-00	HOLDER, clutch cable .....	1	
48	91311-06012-00	BOLT .....	2	
49	95801-06060-00	BOLT, flange.....	1	

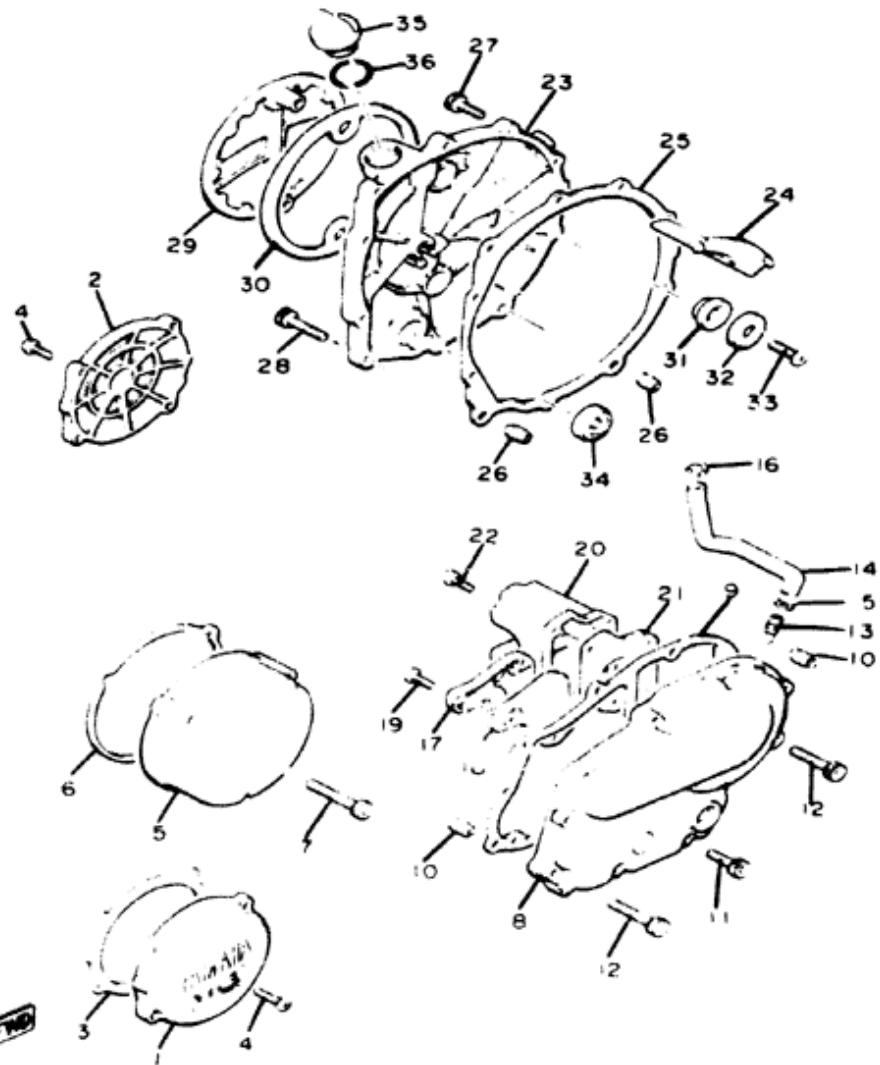
Oiling System		Wet Sump
Capacity: Dry		3500cc
Oil and Filter Change		2650cc
Oil Change		2350cc
Lubricant: Temp. Above 5°C (40°F)		Yamalube 4° or SAE 20W40 SE
Temp. Below 15°C (60°F)		SAE 10W30 SE
Drain Plug		14 x 15· 4.3 m·kg

## CRANKCASE COVER



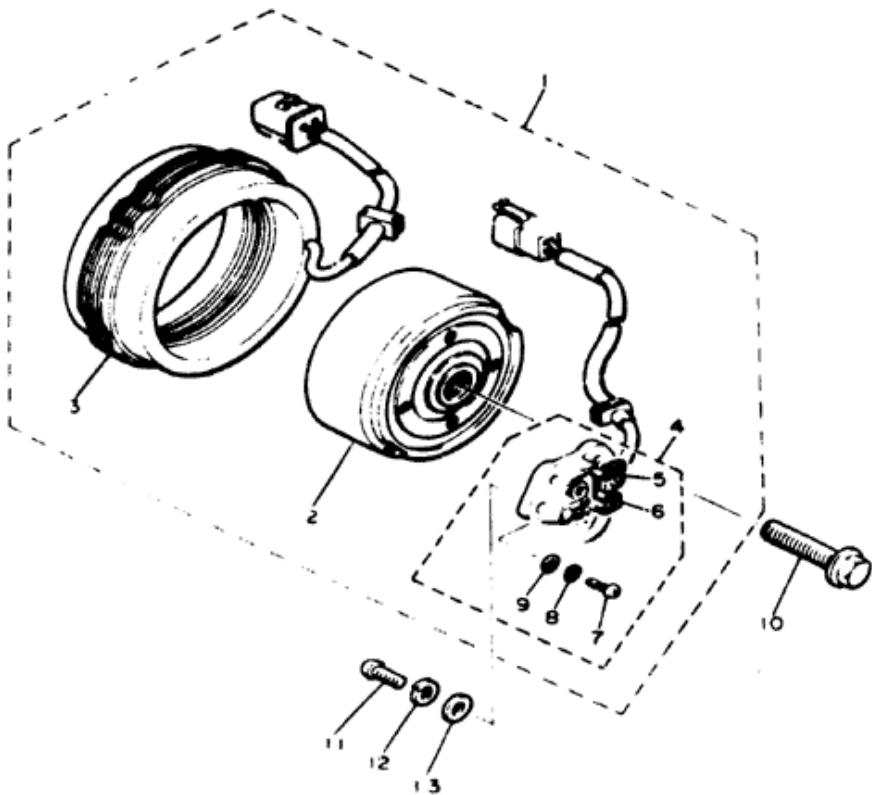
Ref. No.	Part Number	Description	Qty.
1	4U8-15416-01-00	COVER, oil pump .....	1
2	4U8-15426-01-00	COVER, oil pump 2.....	1
3	4H7-15456-00-00	GASKET, oil pump cover 1 .....	1
4	98901-06020-00	SCREW, bind.....	8
5	4H7-15415-00-00	COVER, generator.....	1
6	4H7-15455-00-00	GASKET 1.....	1
7	91311-06070-00	BOLT.....	3
8	5N8-15411-00-00	COVER, crankcase 1 .....	1
9	4H7-15451-00-00	GASKET, crankcase cover.....	1
10	91830-21014-00	PIN, dowel .....	2
11	91311-06025-00	BOLT .....	8
12	91311-06040-00	BOLT .....	2
13	371-11167-01-00	COVER, breather 2 .....	1
14	4H7-11166-01-00	PIPE, breather 1 .....	1
15	90467-14015-00	CLIP.....	1
16	90468-08104-00	CLIP.....	1
17	4H7-15346-00-00	BREATHER 1.....	1
18	4H7-15457-00-00	GASKET .....	1
19	92503-06015-00	SCREW, pan head (92501-06015)	3
20	4H7-15347-00-00	BREATHER.....	1

## CRANKCASE COVER



Ref. No.	Part Number	Description	Qty.
21	4H7-15467-00-00	GASKET .....	1
22	92503-06015-00	SCREW, pan head (92501-06015)	4
23	4H7-15421-02-00	COVER, crankcase 2 .....	1
24	4H7-15412-01-00	SCRAPER, oil .....	1
25	4H7-15461-01-00	GASKET, crankcase cover 2 .....	1
26	91830-21014-00	PIN, dowel .....	2
27	91311-06025-00	BOLT .....	8
28	91311-06040-00	BOLT .....	2
29	5G2-15417-03-00	COVER, cap .....	1
30	4H7-15449-00-00	RING, rubber .....	1
31	4H7-15486-00-00	GROMMET .....	2
32	90209-06096-00	WASHER .....	2
33	92503-06015-00	SCREW, pan head (92501-06015)	2
34	2H7-15361-00-00	GAUGE, level .....	1
35	2H7-15363-00-00	PLUG, oil .....	1
36	93210-27370-00	O-RING .....	1

## A. C. GENERATOR

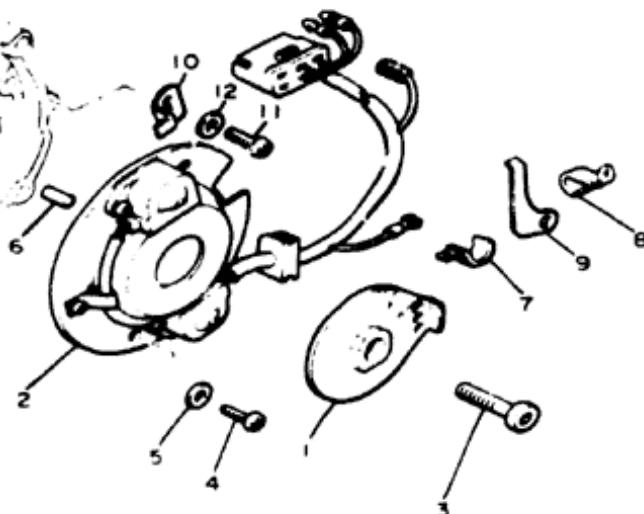


Ref. No.	Part Number	Description	Qty.	Rema
1	4H7-81600-10-00	A.C. GENERATOR ASS'Y.....	1	
2	4H7-81650-10-00	ROTOR ASS'Y.....	1	
3	4H7-81610-10-00	STATOR ASS'Y.....	1	
4	4H7-81619-10-00	BRUSH HOLDER ASS'Y.....	1	
5	4H7-81611-10-00	BRUSH 1.....	1	
6	4H7-81612-10-00	BRUSH 2.....	1	
7	98501-04012-00	SCREW, pan head.....	2	
8	92901-04100-00	WASHER, spring.....	2	
9	92901-04600-00	WASHER, plate.....	2	
10	90105-10152-00	BOLT, washer based.....	1	
11	92503-06015-00	SCREW, pan head (92502-06016)	2	
12	92903-06100-00	WASHER, spring.....	2	
13	92901-06600-00	WASHER (92902-06600).....	2	

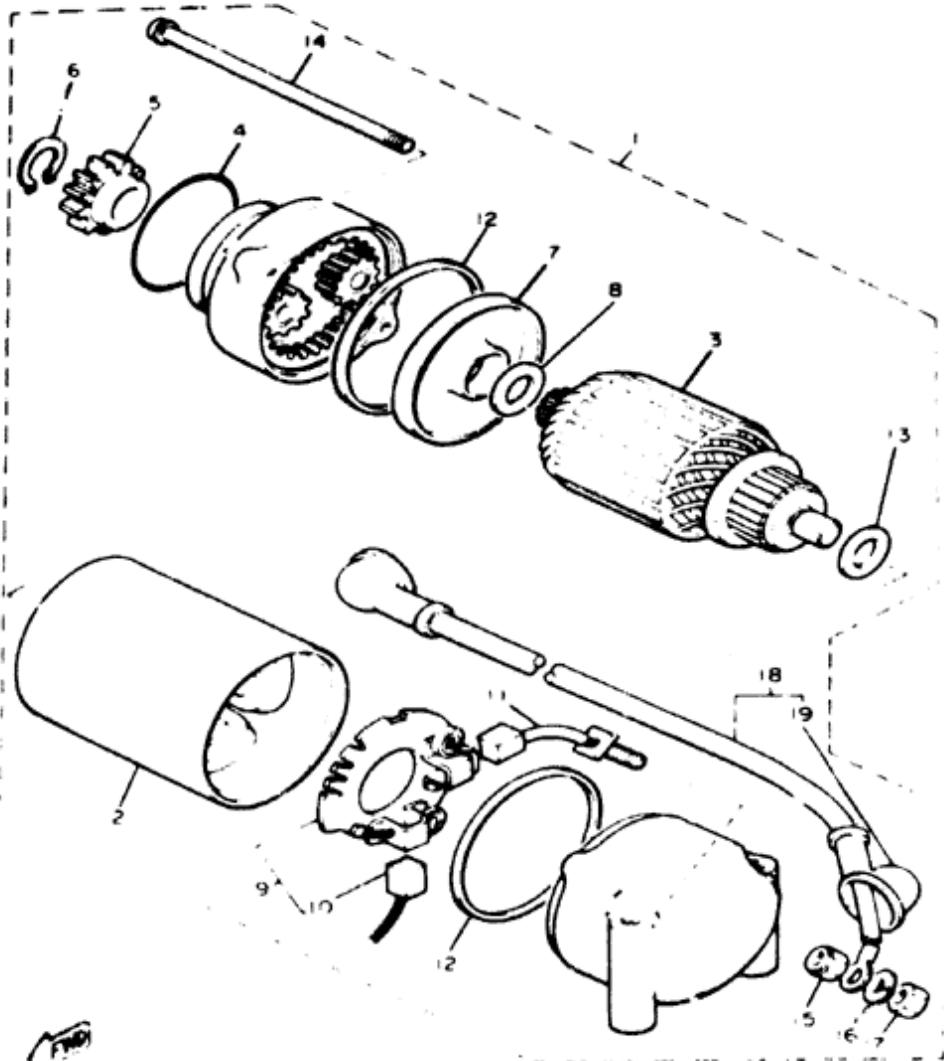
CHARGING SYSTEM	AC Generator / 3-Phase / Full Wave
Battery: Model / Specific Gravity / Charge Rate	12N12A-4A-1 (12V12AH) / 1.28 / 1.2A
Maximum Output	14V19A @ 5000 rpm
Field Coil Color Code / Q	Grn ~ Brn / 4.00 ± 10%
Stator Coil Color Code / Q	Wht ~ Wht / 0.460 ± 10%

## PICKUP COIL - GOVERNOR

Ref. No.	Part Number	Description	Qty.	F
1	5G2-81673-10-00	ROTOR .....	1	
2	5G2-81671-10-00	BASE, pickup.....	1	
3	91316-08030-00	BOLT.....	1	
4	92503-06012-00	SCREW, pan head.....	2	
5	92901-06600-00	WASHER (92902-06600).....	2	
6	93604-08071-00	PIN, dowel .....	1	
7	90465-08122-00	CLAMP .....	1	
8	90465-08156-00	CLAMP .....	1	
9	90465-12160-00	CLAMP .....	1	
10	4H7-81632-00-00	PLATE, timing .....	1	
11	92503-06012-00	SCREW, pan head.....	1	
12	92903-06200-00	WASHER, plain .....	1	

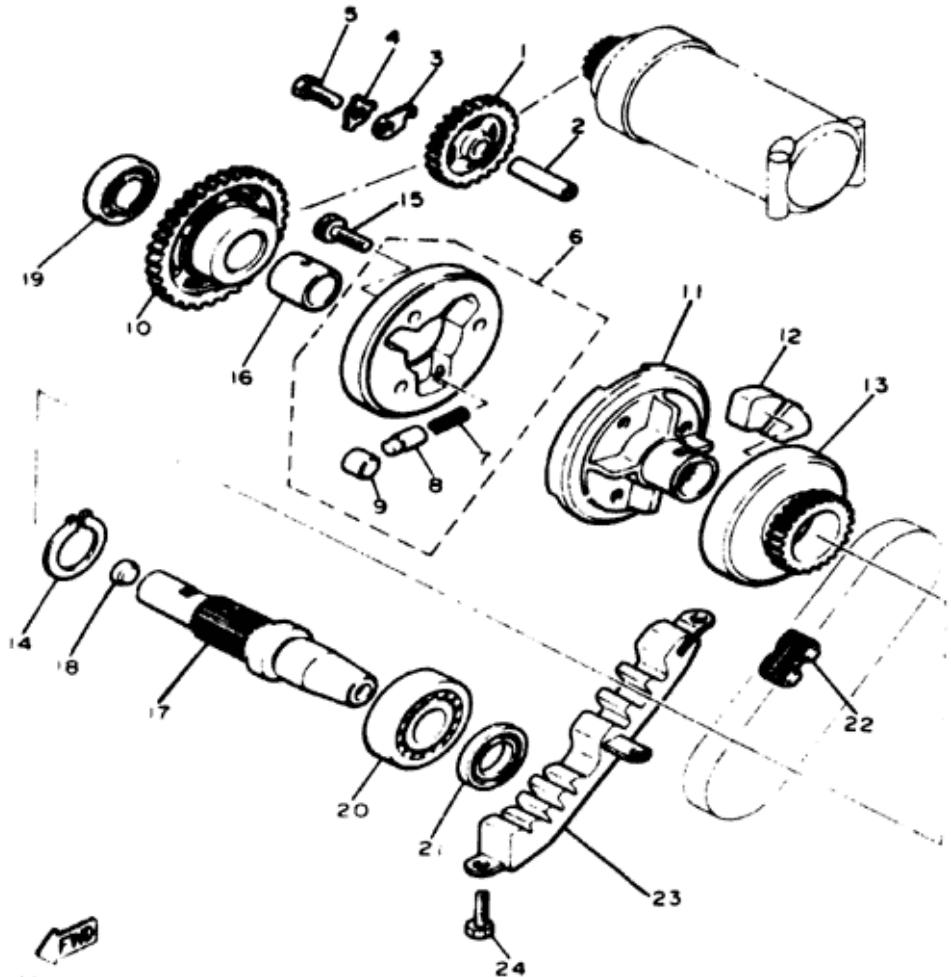


## STARTING MOTOR



Ref. No.	Part Number	Description	Qty.
1	4H7-81800-50-00	STARTING MOTOR ASS'Y .....	1
2	4H7-81810-01-00	. STATOR ASS'Y.....	1
3	4H7-81850-00-00	. ARMATURE ASS'Y .....	1
4	4H7-81847-01-00	. O-RING .....	1
5	4H7-15511-00-00	. GEAR, starting motor (13T)....	1
6	4H7-81819-00-00	. CIRCLIP.....	1
7	4H7-81845-00-00	. PLATE .....	1
8	4H7-81843-00-00	. WASHER 1 .....	1
9	4H7-81840-01-00	. BRUSH HOLDER ASS'Y .....	1
10	4H7-81811-00-00	. BRUSH 1 .....	1
11	4H7-81812-01-00	. BRUSH 2.....	1
12	4H7-81844-00-00	. GASKET.....	2
13	4H7-81824-00-00	. WASHER 2 .....	1
14	4H7-81826-01-00	. BOLT .....	2
15	4H7-81872-00-00	. NUT, special .....	1
16	92903-06100-00	. WASHER, spring .....	1
17	95302-06600-00	. NUT .....	1
18	4H7-81815-00-00	. WIRE, starter .....	1
19	4H7-81871-00-00	. CAP.....	1

## STARTER CLUTCH

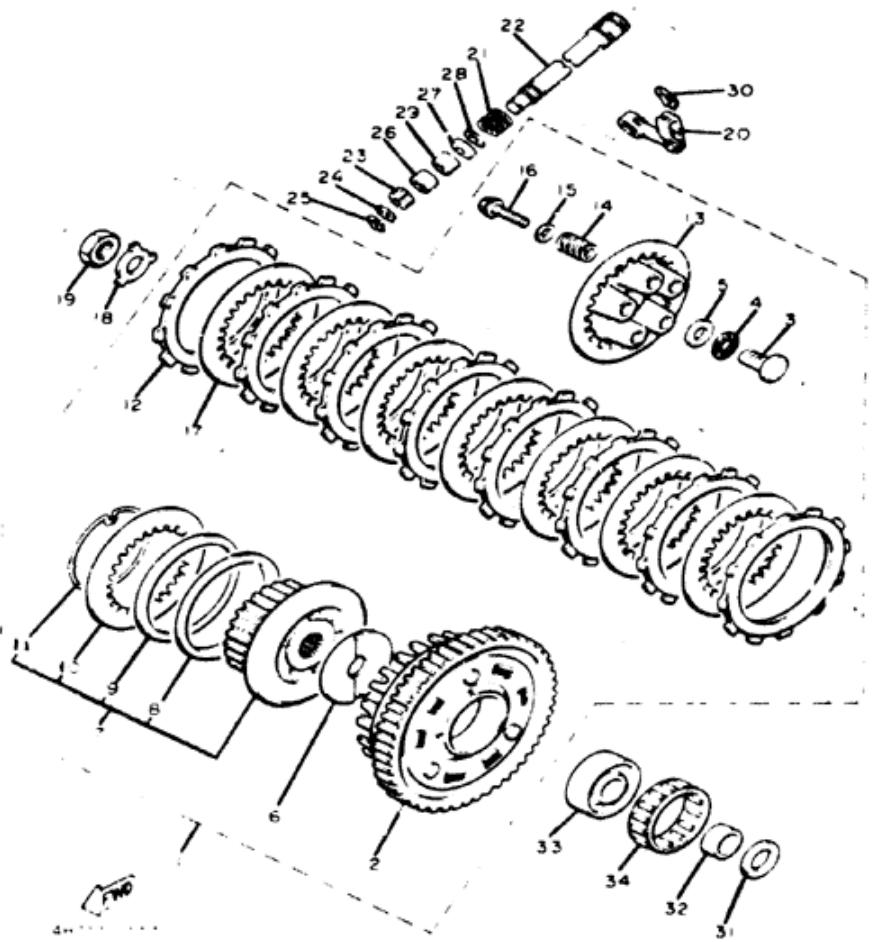


17Y700 2200

Ref. No.	Part Number	Description	Qty.
1	4H7-15512-00-00	GEAR, idler 1 (27T).....	1
2	4H7-15521-00-00	SHAFT 1.....	1
3	2H7-15531-00-00	PLATE, stopper .....	1
4	90215-06040-00	WASHER, lock.....	1
5	97301-06016-00	BOLT.....	1
6	4H7-15580-10-00	STARTER CLUTCH OUTER ASS'Y	1
7	90501-04596-00	. SPRING, compression.....	3
8	341-15583-05-00	. CAP, starter clutch spring .....	3
9	93615-12088-00	. PIN, dowel .....	3
10	4H7-15517-00-00	GEAR, idler 2 (43T).....	1
11	4H7-15524-00-00	WHEEL, starter .....	1
*12	4H7-16155-01-00	ABSORBER 1.....	4
13	4H7-15519-00-00	SPROCKET, starter (21T).....	1
14	93410-32052-00	CIRCLIP .....	1
15	91316-08014-00	BOLT.....	3
16	90387-202A7-00	COLLAR .....	1
17	4H7-15522-00-00	SHAFT 2.....	1
18	90331-12028-00	PLUG.....	1
19	93306-00401-00	BEARING (B6004).....	1
20	93306-20541-00	BEARING (B6205).....	1
21	93102-25218-00	OIL SEAL .....	1
22	4H7-11456-00-00	CHAIN, primary .....	1
23	4H7-11474-00-00	GUIDE, upper.....	1
24	97301-06014-00	BOLT .....	3

\*Indicates new part numbers activated from March, 1982.

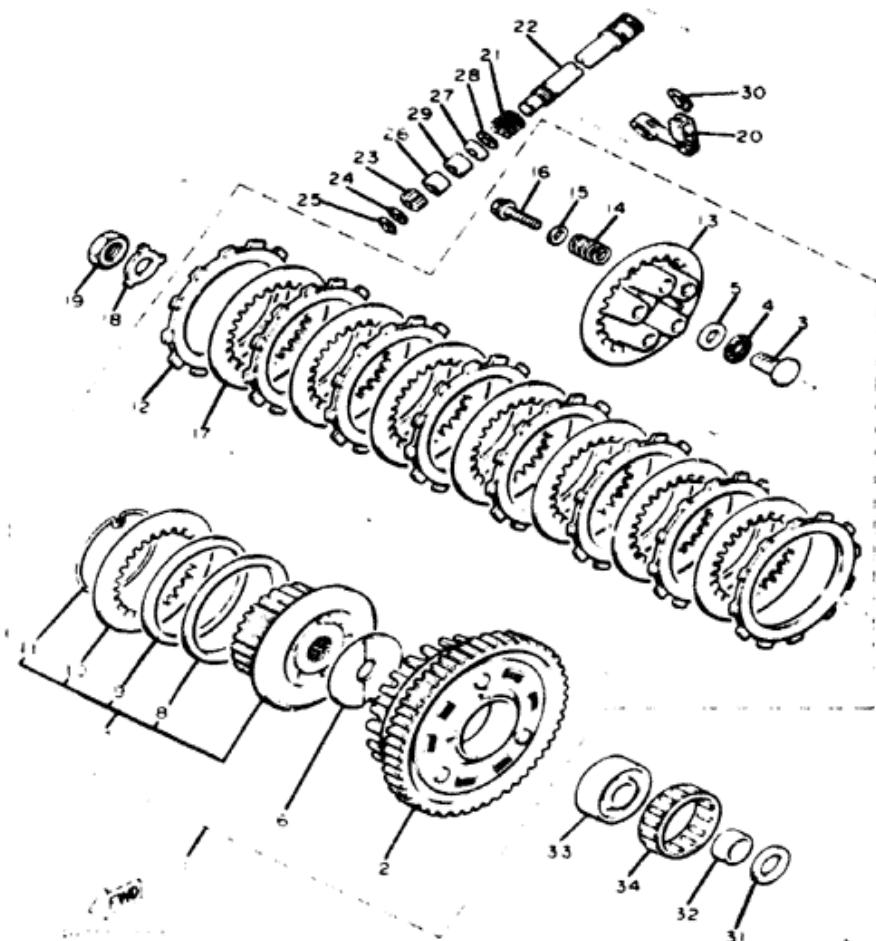
## CLUTCH



Ref. No.	Part Number	Description	Qty.	Remarks
1	4H7-16300-10-00	CLUTCH ASS'Y.....	1	
2	4H7-16150-10-00	PRIMARY DRIVEN GEAR COMP. (97T).....	1	
3	4H7-16356-00-00	ROD, push 1.....	1	
4	93340-21505-00	BEARING.....	1	
5	90201-151A7-00	WASHER, plate .....	1	
6	4H7-16154-00-00	PLATE, thrust 1 .....	1	
7	4H7-16370-00-00	CLUTCH BOSS ASS'Y.....	1	
8	1J7-16384-00-00	PLATE, seat.....	1	
9	1J7-16383-01-00	SPRING, clutch boss .....	1	
10	168-16324-00-00	PLATE, clutch 1.....	1	
11	1J7-16385-00-00	RING, clutch boss.....	1	
12	4H7-16321-00-00	PLATE, friction .....	8	
13	4H7-16351-00-00	PLATE, pressure 1 .....	1	
14	90501-23598-00	SPRING, compression.....	5	
15	90201-061A5-00	WASHER, plate .....	5	
16	95821-06025-00	BOLT, flange .....	5	
17	4H7-16325-00-00	PLATE, clutch 2 .....	7	
18	90215-20170-00	WASHER, lock.....	1	
19	90170-20257-00	NUT.....	1	
20	4H7-16340-00-00	PUSH LEVER ASS'Y.....	1	

Clutch Nut	20 x 10 72 m-kg
Clutch Friction Plate Thickness Std ~ Min	3.0 ~ 2.8mm
Clutch Spring Length Std ~ Min	40.1 ~ 39.1mm

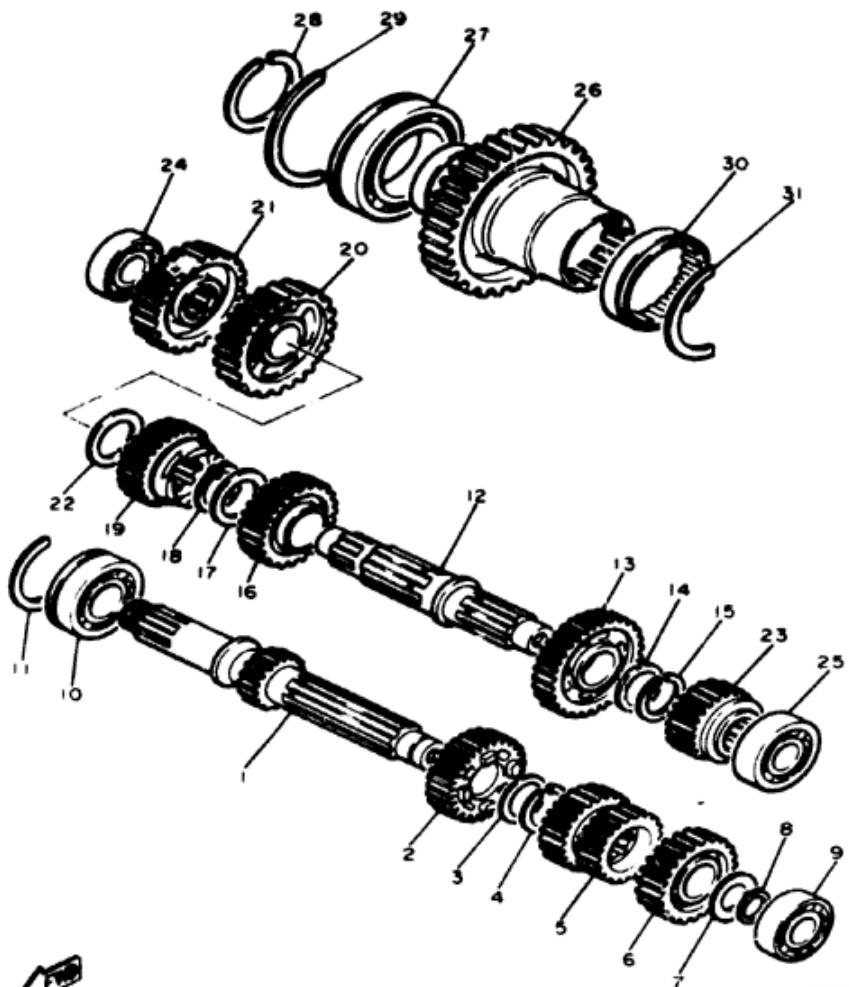
## CLUTCH



Ref. No.	Part Number	Description	Qty.	Remarks
21	90508-16459-00	SPRING, torsion .....	1	
22	4H7-16382-01-00	AXLE, push lever.....	1	
23	4H7-16398-00-00	PINION, release (16T) .....	1	
24	92901-08600-00	WASHER, plate .....	1	
25	93430-07012-00	CIRCLIP .....	1	
26	93317-11020-00	BEARING, cylindrical .....	1	
27	93102-12224-00	OIL SEAL .....	1	
28	102-18137-00-10	WASHER 1.....	1	
29	93315-11206-00	BEARING, cylindrical .....	1	
30	93430-09035-00	CIRCLIP .....	1	
31	2K7-16154-00-00	PLATE, thrust 1.....	1	
32	90387-252A8-00	COLLAR .....	1	
33	4H7-16181-00-00	SPACER 1 .....	1	
34	93310-365H3-00	BEARING, cylindrical .. .	1	

Clutch Nut	20 x 1.0 72 m-kg
Clutch Friction Plate Thickness Std ~ Min	3.0 ~ 2.8mm
Clutch Spring Length Std ~ Min	40.1 ~ 39.1mm

# TRANSMISSION

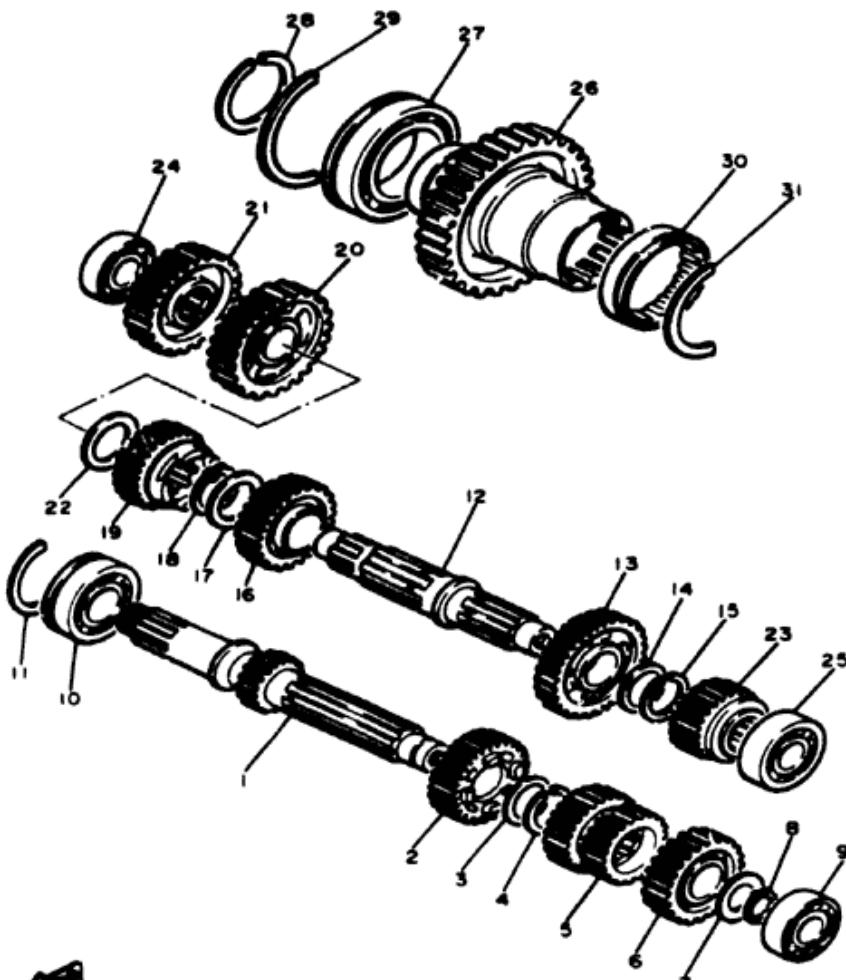


Ref. No.	Part Number	Description	Qty.	Remarks
1	4H7-17401-00-00	MAIN AXLE ASS'Y (16T) .....	1	
2	4H7-17141-00-00	GEAR, 4th pinion (30T).....	1	
3	90209-22191-00	WASHER .....	1	
4	93440-25019-00	CIRCLIP .....	1	
5	4H7-17121-00-00	GEAR, 2nd/3rd pinion (20/26T)	1	
6	4H7-17151-00-00	GEAR, 5th pinion (32T).....	1	
7	90201-20276-00	WASHER, plate .....	1	
8	93410-20009-00	CIRCLIP .....	1	
9	93309-20434-00	BEARING (B6204).....	1	
10	93306-30528-00	BEARING (B6305Z).....	1	
11	278-17424-01-00	CIRCLIP 1 .....	1	
12	4H7-17402-01-00	DRIVE AXLE ASS'Y.....	1	
13	4H7-17221-01-00	GEAR, 2nd wheel (30T) .....	1	
14	90209-22191-00	WASHER .....	1	
15	93440-25019-00	CIRCLIP .....	1	
16	4H7-17231-01-00	GEAR, 3rd wheel (30T) .....	1	
17	90209-25196-00	WASHER .....	1	
18	93440-28062-00	CIRCLIP .....	1	

TRANSMISSION - OH Type / Oil Change / Oil Dry		See ENGINE Above
Secondary Drive Type / Teeth / Chain		Shaft / 49-36 x 19-18 x 32-11 / Ø
Oiling System		Wet Sump
Capacity: Dry		3500cc
Oil and Filter Change		2650cc
Oil Change Only		2350cc
Lubricant: Temp. Above 5°C (40°F)		Yamalube 4° or SAE 20W40 SE or SF
Temp. Below 15°C (60°F)		SAE 10W30 SE or SF

SNB110 2180

# TRANSMISSION

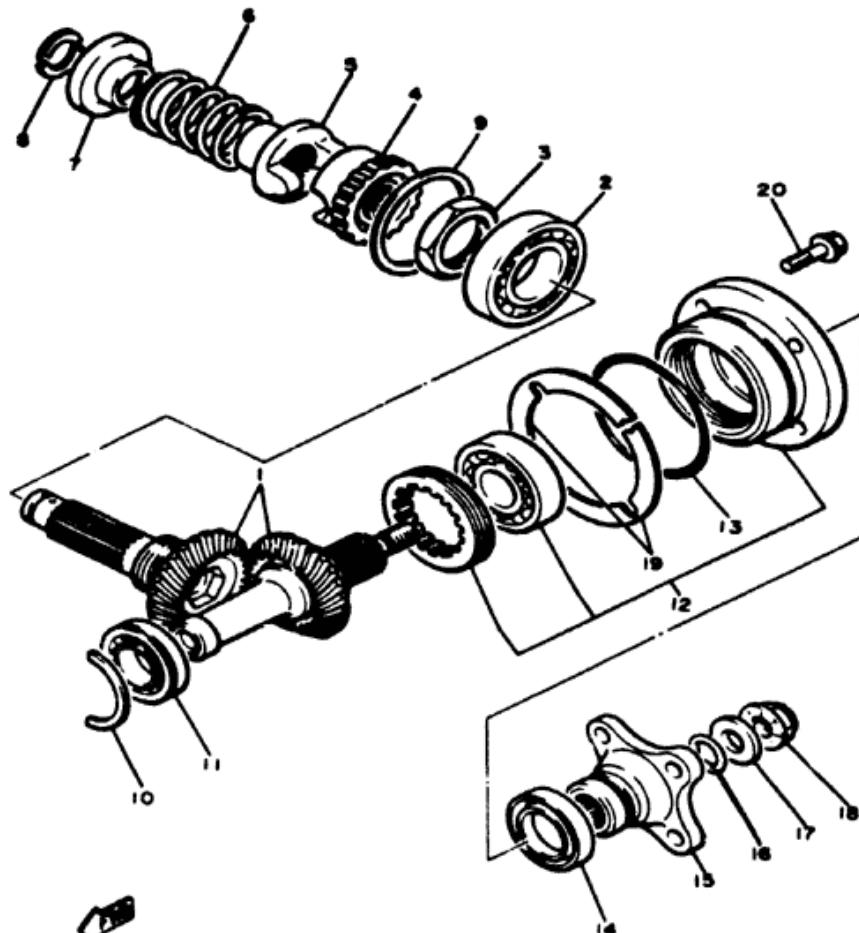


Ref. No.	Part Number	Description	Qty.	Remarks
19	4H7-17241-00-00	GEAR, 4th wheel (28T).....	1	
20	4H7-17211-01-00	GEAR, 1st wheel (35T).....	1	
21	4H7-17582-00-00	GEAR, middle drive (36T).....	1	
22	90201-243A2-00	WASHER, plate .....	1	
23	4H7-17251-01-00	GEAR, 5th wheel (26T).....	1	
24	93306-30301-00	BEARING (B6303).....	1	
25	93306-30425-00	BEARING (83A581A) .....	1	
26	4H7-17583-00-00	GEAR, middle driven (49T).....	1	
27	93306-91101-00	BEARING (B6911).....	1	
28	93410-55057-00	CIRCLIP .....	1	
29	93440-80082-00	CIRCLIP .....	1	
30	93311-36042-00	BEARING, cylindrical .....	1	
31	93440-72049-00	CIRCLIP .....	1	

TRANSMISSION - Oil Type / Oil Change / Oil Dry	See ENGINE Above
Secondary Drive Type / Teeth / Chain	Shaft / 49-36 x 19-18 x 32-11 / Ø
Oiling System	Wet Sump
Capacity: Dry	3500cc
Oil and Filter: Change	2650cc
Oil Change Only	2350cc
Lubricant: Temp. Above 5°C (40°F)	Yamalube 4° or SAE 20W40 SE or SF
Temp. Below 15°C (60°F)	SAE 10W30 SE or SF

SN8110-2180

## MIDDLE DRIVE GEAR



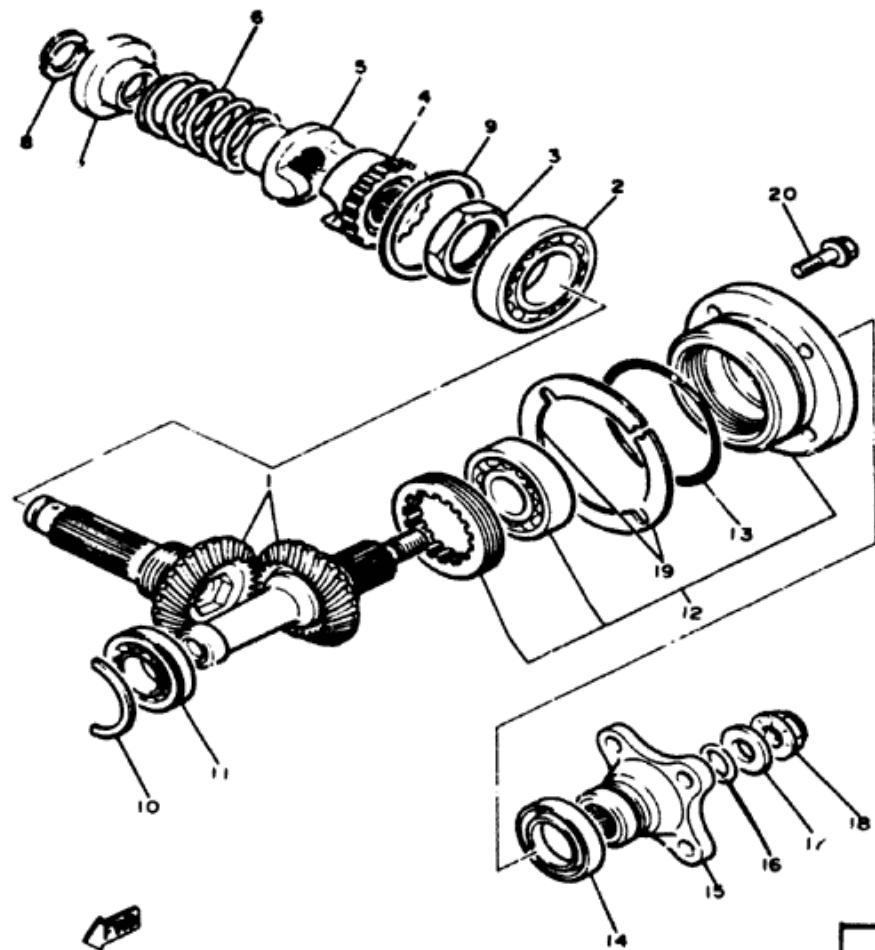
4H7110-1180

Ref. No.	Part Number	Description	Qty.	Remarks
1	4H7-W1751-00-00	MIDDLE GEAR SET .....	1	
2	93306-20709-00	BEARING (B6207).....	1	
3	90179-34304-00	NUT.....	1	
4	4H7-17526-02-00	CAM, drive .....	1	
5	4H7-17527-00-00	CAM, driven.....	1	
6	90501-65575-00	SPRING, compression .....	1	
7	4H7-17524-00-00	HOLDER .....	1	
8	3H5-17529-00-00	WASHER, thrust .....	2	
9	4H7-17537-00-15	SHIM, thrust (0.15T).....	1	U.R.
	4H7-17537-00-20	SHIM, thrust (0.20T).....	1	U.R.
	4H7-17537-00-30	SHIM, thrust (0.30T).....	1	U.R.
	4H7-17537-00-40	SHIM, thrust (0.40T).....	1	U.R.
	4H7-17537-00-50	SHIM, thrust (0.50T).....	1	U.R.
10	93440-47081-00	CIRCLIP .....	1	
11	93306-00508-00	BEARING (B6005).....	1	
12	4H7-W1752-00-00	HOUSING COMP.....	1	
13	93210-71360-00	O-RING.....	1	
14	93101-35097-00	OIL SEAL .....	1	

Secondary Drive Type : Teeth / Chain

Shaft / 49-36 x 19-18 x 32-11 / Ø

## MIDDLE DRIVE GEAR



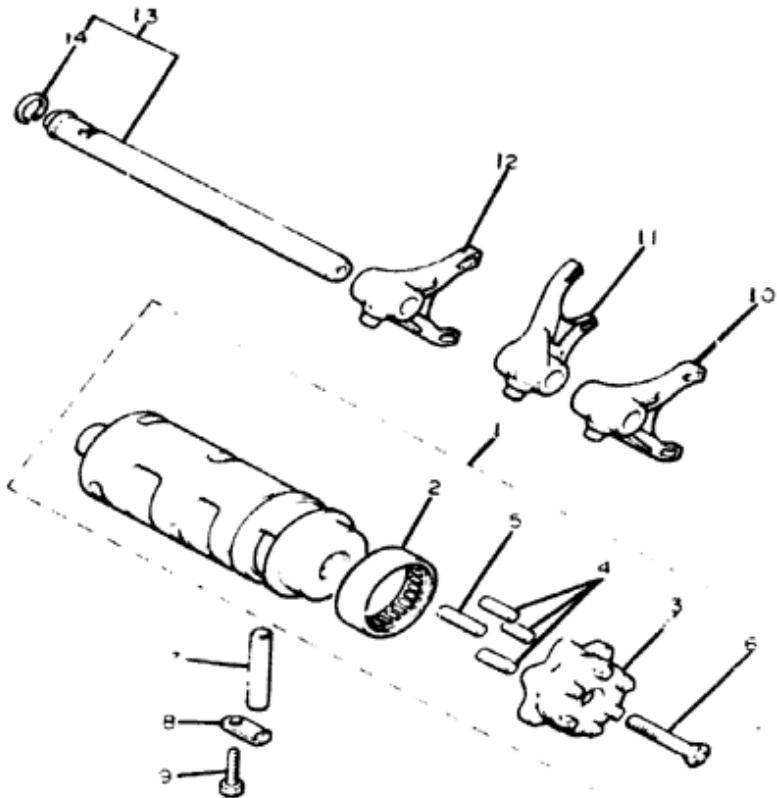
Ref. No.	Part Number	Description	Qty.	Remarks
15	4H7-17555-00-00	FLANGE, middle gear .....	1	
16	93210-14359-00	O-RING.....	1	
17	90201-14633-00	WASHER, plate .....	1	
18	90179-14317-00	NUT.....	1	
19	4H7-17531-00-10	SHIM, pinion (0.10T) .....	2	U.R.
	4H7-17531-00-15	SHIM, pinion (0.15T) .....	2	U.R.
	4H7-17531-00-20	SHIM, pinion (0.20T) .....	2	U.R.
	4H7-17531-00-30	SHIM, pinion (0.30T) .....	2	U.R.
	4H7-17531-00-40	SHIM, pinion (0.40T) .....	2	U.R.
	4H7-17531-00-50	SHIM, pinion (0.50T) .....	2	U.R.
20	95821-08030-00	BOLT, flange.....	4	

Secondary Drive Type : Teeth : Chain

Shaft : 49-36 x 19-18 x 32-11 / Ø

4H7110-1190

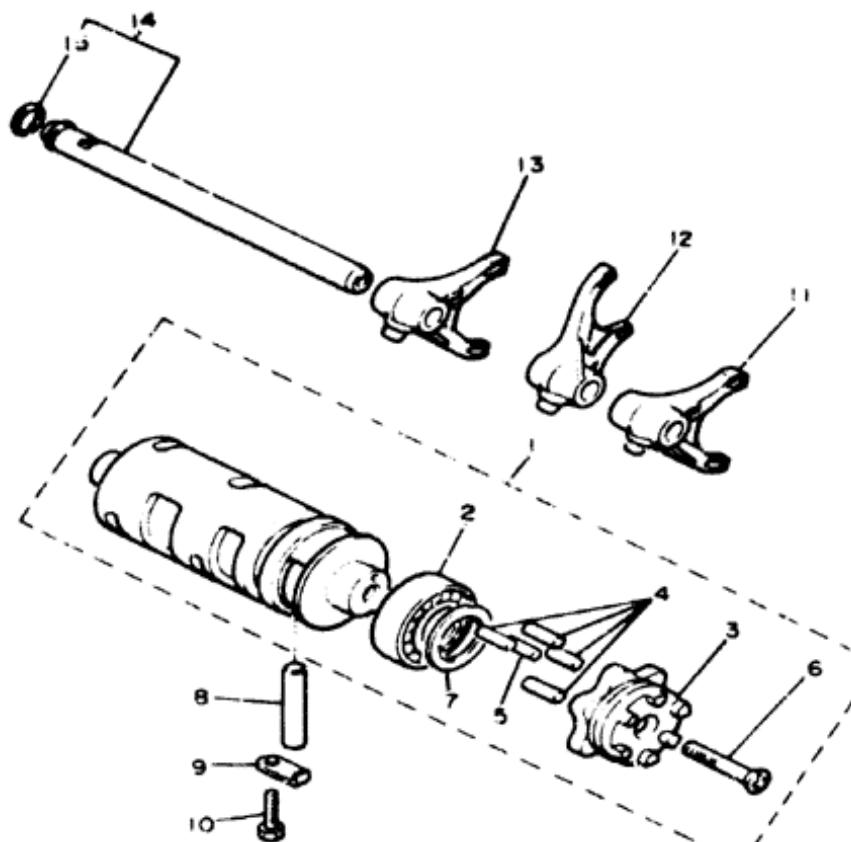
## SHIFT CAM · FORK



Ref. No.	Part Number	Description	Qty.
1	4H7-18540-00-00	SHIFT CAM ASS'Y.....	1
2	93315-23612-00	. BEARING, cylindrical.....	1
3	4H7-18185-00-00	. SEGMENT.....	1
4	93604-16092-00	. PIN, dowel .....	3
5	93604-20156-00	. PIN, dowel .....	1
6	98701-05035-00	. SCREW, flat head .....	1
7	93608-43157-00	PIN, dowel .....	1
8	2H7-15531-00-00	PLATE, stopper .....	1
9	97301-06016-00	BOLT (97301-06015) .....	1
10	4H7-18511-01-00	FORK, shift 1.....	1
11	4H7-18512-01-00	FORK, shift 2.....	1
12	4H7-18513-01-00	FORK, shift 3.....	1
13	4H7-18531-00-00	BAR, shift fork guide 1.....	1
14	93440-11029-00	CIRCLIP .....	1

44-111-100-000  
F.M.D.

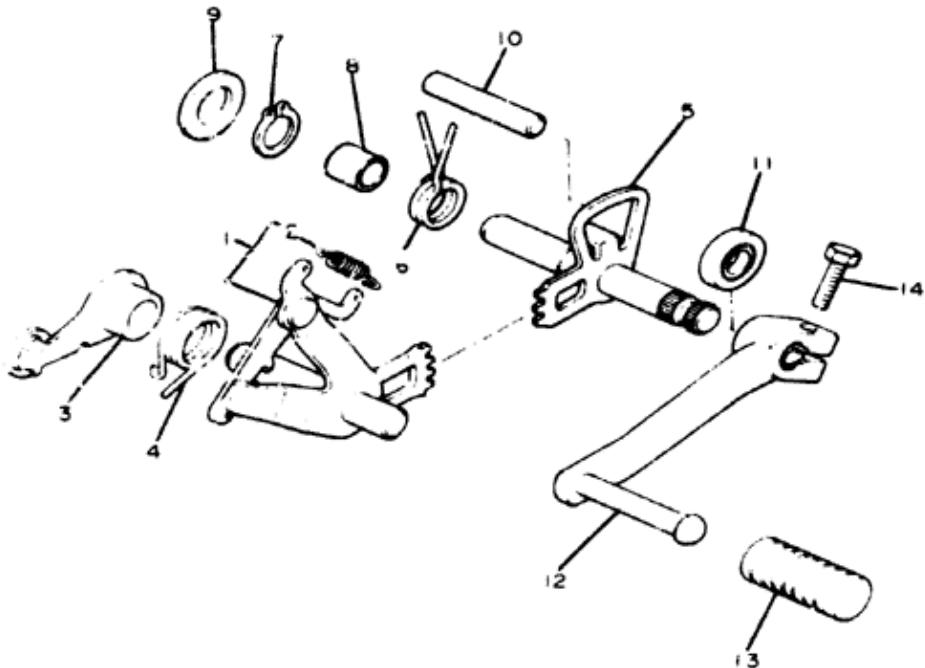
## SHIFT CAM FORK



Ref. No.	Part Number	Description	Qty.
* 1	16G-18540-00-00	SHIFT CAM ASS'Y .....	1
2	93306-90501-00	. BEARING.....	1
* 3	16G-18185-00-00	. SEGMENT.....	1
4	93604-16092-00	. PIN, dowel .....	4
5	93604-10011-00	. PIN, dowel .....	1
6	98701-05035-00	. SCREW, flat head.....	1
7	117-15644-00-00	. SHIM.....	1
8	93609-43157-00	PIN, dowel .....	1
9	2H7-15531-00-00	PLATE, stopper .....	1
10	97301-06016-00	BOLT .....	1
11	4H7-18511-01-00	FORK, shift 1 .....	1
12	4H7-18512-01-00	FORK, shift 2 .....	1
13	4H7-18513-01-00	FORK, shift 3 .....	1
14	4H7-18531-00-00	BAR, shift fork guide 1 .....	1
15	93440-11029-00	. CIRCLIP.....	1

\*Indicates new part numbers activated from March, 1982.

## SHIFT SHAFT • PEDAL

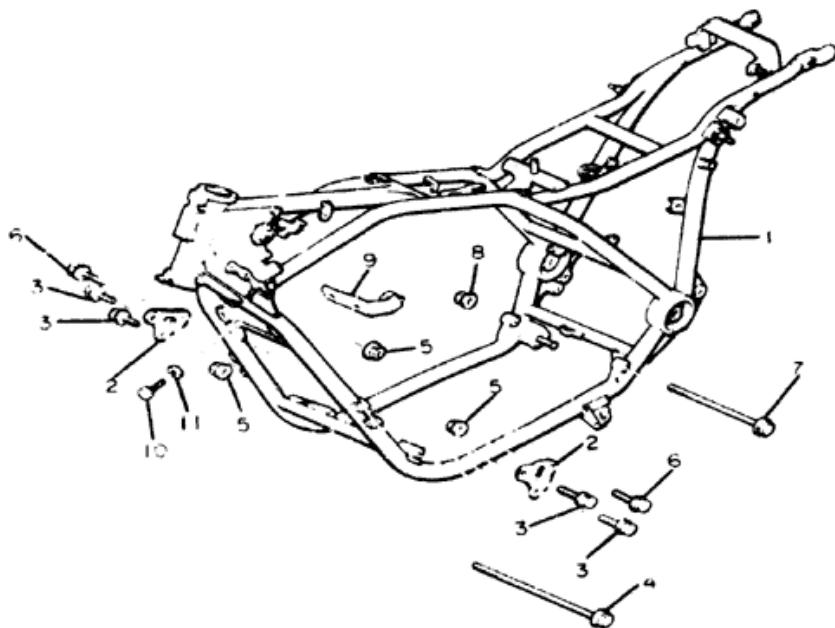


Ref. No.	Part Number	Description	Qty.
1	4H7-18101-00-00	SHIFT SHAFT ASS'Y .....	1
2	90508-08227-00	. SPRING, tension .....	1
3	4H7-18140-00-00	STOPPER LEVER ASS'Y .....	1
4	90508-29530-C0	SPRING, torsion .....	1
5	4H7-18120-01-00	SHIFT LEVER ASS'Y .....	1
6	90508-32535-00	SPRING, torsion .....	1
7	93430-10016-00	CIRCLIP .....	1
8	90387-124F4-00	COLLAR .....	1
9	90201-12528-00	WASHER, plate .....	1
10	93608-50158-00	PIN, dowel .....	1
11	93102-12106-00	OIL SEAL .....	1
12	4H7-18111-00-00	PEDAL, shift .....	1
13	132-18113-01-00	COVER, shift pedal .....	1
14	97321-06020-00	BOLT .....	1



SN8110-2210

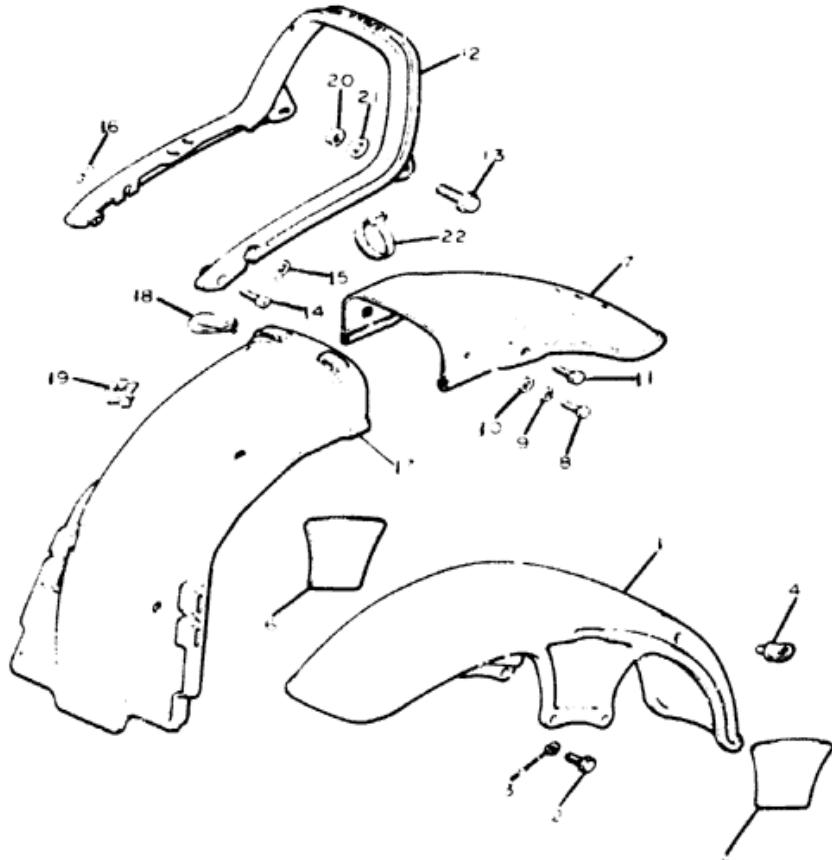
## FRAME



Ref. No.	Part Number	Description	Qty.	Remarks
1	5N8-21110-00-33	FRAME COMP.....	1	Yamaha Black
2	4H7-21315-00-00	STAY, engine 2 .....	2	
3	90105-08155-00	BOLT, washer based.....	4	
4	90105-10156-00	BOLT, washer based.....	1	
5	90179-10247-00	NUT.....	3	
6	90105-10038-00	BOLT, washer based.....	2	
7	90105-12157-00	BOLT, washer based.....	1	
8	90179-12248-00	NUT.....	1	
9	4H7-2134Y-00-00	STAY, horn.....	1	
10	97306-08016-00	BOLT.....	2	
11	92906-08100-00	WASHER, spring.....	2	

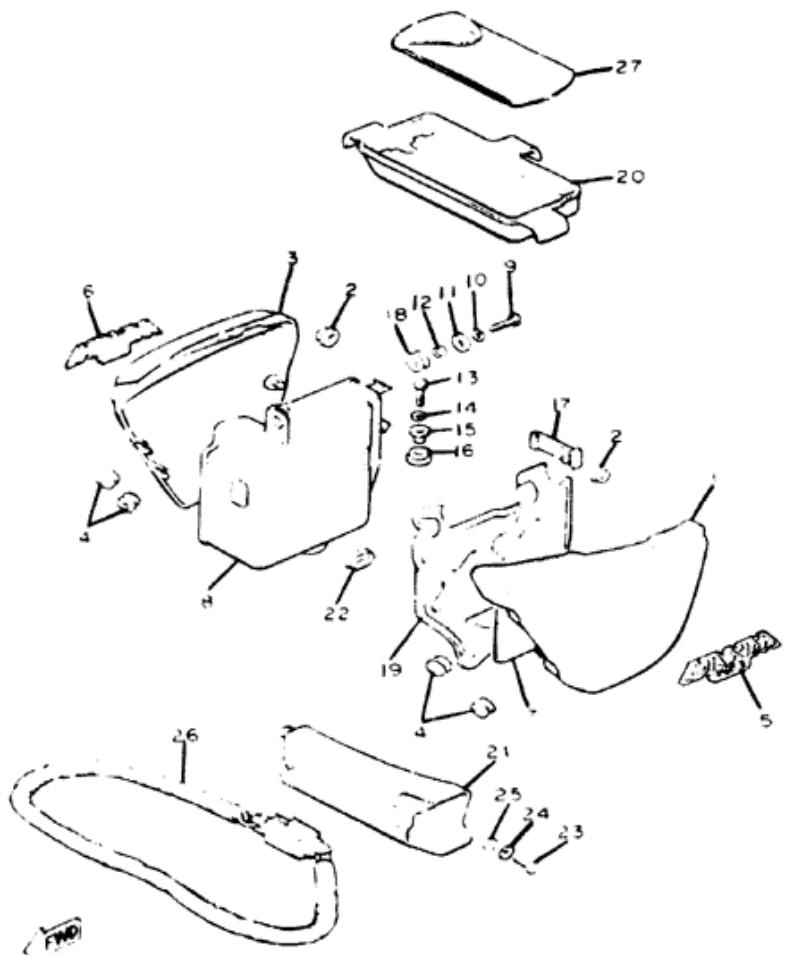
Initial Engine Number	Frame Number	5N8-000101	5N8-000101
Engine Mounting Bolts			
Front Upper		10 x 1 25	42 m-kg
Front Lower		10 x 1 25	42 m-kg
Rear		12 x 1 25	70 m-kg

## FRONT FENDER • REAR FENDER



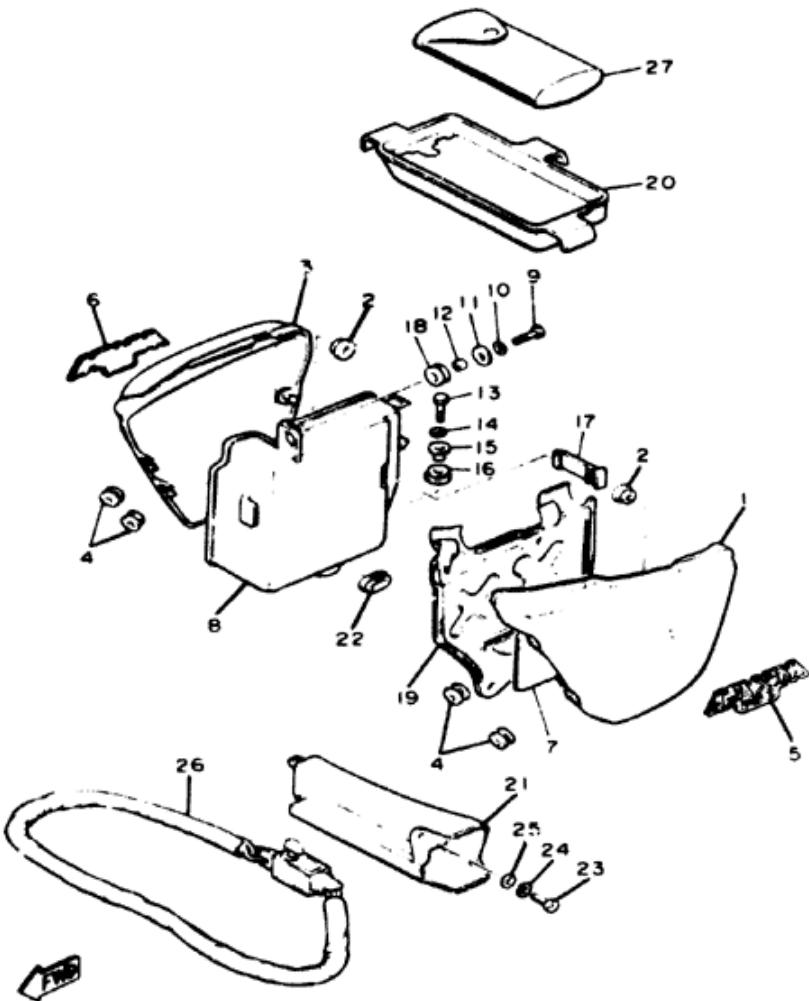
Ref. No.	Part Number	Description	Qty.	Remarks
1	4H7-21510-01-93	FRONT FENDER COMP.....	1	Chrcme-Plated
2	97301-08020-00	BOLT .....	4	
3	92903-08100-00	WASHER, spring (92901-08100)	4	
4	1A0-21518-00-00	HOLDER, cable .....	1	
5	4H7-21575-00-00	SEAL 1 .....	1	
6	4H7-21576-00-00	SEAL 2 .....	1	
7	4H7-21610-00-93	REAR FENDER COMP.....	1	Chrome-Plated
8	97321-06012-00	BOLT .....	2	
9	92903-06100-00	WASHER, spring (92901-06100)	2	
10	92901-06600-00	WASHER, plate.....	2	
11	97321-10035-00	BOLT .....	2	
12	4H7-21645-00-00	STAY, rear .....	1	
13	95821-10025-00	BOLT, flange.....	2	
14	91311-08030-00	BOLT .....	2	
15	4H7-22243-00-00	WASHER 1.....	1	
16	4H7-22244-00-00	WASHER 2.....	1	
17	4H7-21629-00-00	GUARD, mud .....	1	
18	90464-12027-00	CLAMP .....	1	
19	90464-16021-00	CLAMP .....	1	
20	95311-10600-00	NUT .....	2	
21	92903-10200-00	WASHER, plain (92901-10240)	2	
22	3L8-83936-00-00	BAND, switch cord .....	1	

## SIDE COVER · TOOL



Ref. No.	Part Number	Description	Qty.	Remarks
1	4H7-21711-01-H8	COVER, side 1.....	1	U.R. Star Red
	4H7-21711-01-4J	COVER, side 1.....	1	U.R. Black Blue
2	90480-01141-00	GROMMET.....	2	
3	4H7-21721-02-H8	COVER, side 2.....	1	U.R. Star Red
	4H7-21721-02-4J	COVER, side 2.....	1	U.R. Black Blue
4	90480-12053-00	GROMMET.....	4	
5	5N8-21781-00-00	EMBLEM 1.....	1	
6	5N8-21782-00-00	EMBLEM 2.....	1	
7	5N8-21683-01-00	PLATE, specification.....	1	
8	4H7-21240-01-00	BOX COMP.....	1	
9	97321-06025-00	BOLT.....	1	
10	92903-06100-00	WASHER, spring (92902-06100)	1	
11	90201-06407-00	WASHER, plate.....	1	
12	90387-060A7-00	COLLAR .....	1	
13	97321-08025-00	BOLT (97322-08025) .....	1	
14	92903-08100-00	WASHER, spring (92902-08100)	1	
15	90387-09617-00	COLLAR .....	1	
16	4H7-21746-00-00	DAMPER.....	1	
17	4H7-2175R-00-00	HOOK, bank.....	1	
18	90480-16233-00	GROMMET.....	1	
19	4H7-21243-01-00	PLATE, bridge .....	1	
20	4H7-21170-00-00	BOX COMP.....	1	
21	4H7-21258-00-00	BOX.....	1	
22	90480-22084-00	GROMMET.....	1	
23	92503-06020-00	SCREW, pan head (92501-06020)	1	
24	92903-06100-00	WASHER, spring (92902-06100)	1	
25	90201-06557-00	WASHER, plate.....	1	
26	4H7-W2171-01-00	WHEEL LOCK ASS'Y .....	1	
27	4H7-28100-00-00	TOOL KIT .....	1	

## SIDE COVER - TOOL

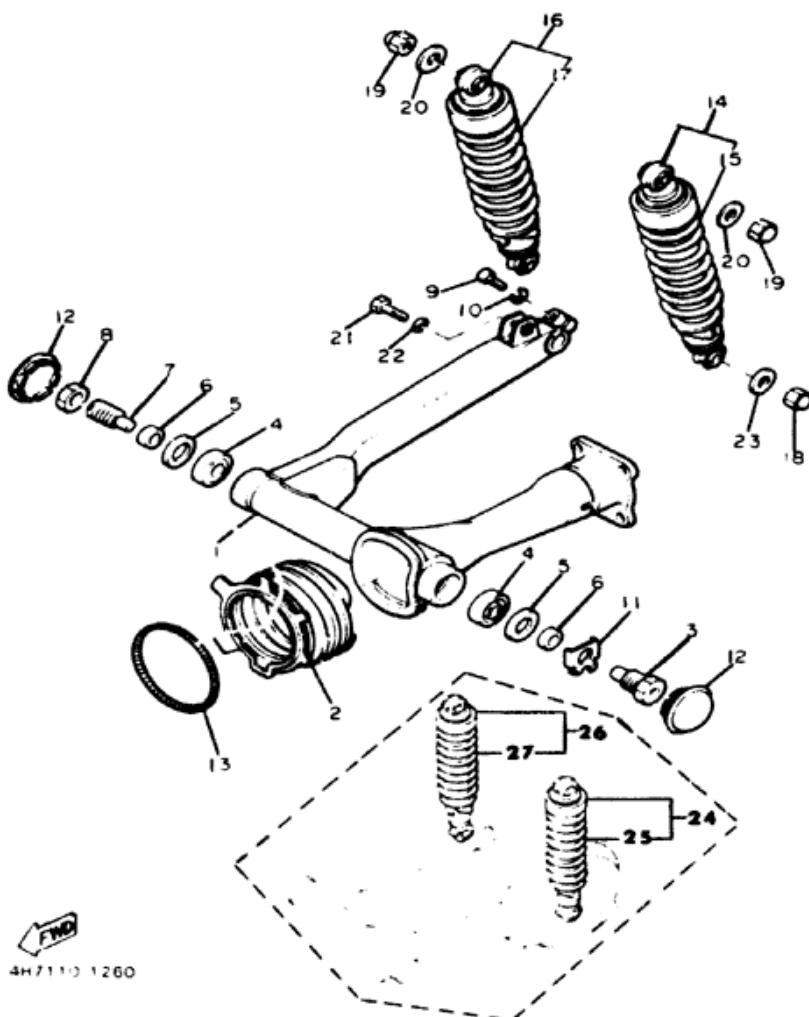


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Ref. No.	Part Number	Description	Qty.	Remarks
* 1	4H7-21711-01-2U	COVER, side 1 . . . . .	1	U.R. Super Red
	4H7-21711-01-4J	COVER, side 1 . . . . .	1	U.R. Blk Blue
2	90480-01141-00	GROMMET . . . . .	2	
3	4H7-21721-02-2U	COVER, side 2 . . . . .	1	U.R. Super Red
	4H7-21721-02-4J	COVER, side 2 . . . . .	1	U.R. Blk blue
4	90480-12053-00	GROMMET . . . . .	4	
5	5N8-21781-00-00	EMBLEM 1 . . . . .	1	
6	5N8-21782-00-00	EMBLEM 2 . . . . .	1	
* 7	5N8-21683-10-00	PLATE, specification . . . . .	1	
8	4H7-21240-01-00	BOX COMP . . . . .	1	
* 9	97322-06025-00	BOLT . . . . .	1	
10	92903-06100-00	WASHER, spring . . . . .	1	
11	90201-06407-00	WASHER, plate . . . . .	1	
12	90387-080A7-00	COLLAR . . . . .	1	
13	97321-08025-00	BOLT (97322-08025) . . . . .	1	
14	92902-08100-00	WASHER, spring . . . . .	1	
15	90387-09617-00	COLLAR . . . . .	1	
16	4H7-21746-00-00	DAMPER . . . . .	1	
17	4H7-2175R-00-00	HOOK, bank . . . . .	1	
18	90480-16233-00	GROMMET . . . . .	1	
19	4H7-21243-01-00	PLATE, bridge . . . . .	1	
20	4H7-21170-00-00	BOX COMP . . . . .	1	
21	4H7-21258-u0-00	BOX . . . . .	1	
22	90480-22084-00	GROMMET . . . . .	1	
23	92503-06020-00	SCREW, pan head . . . . .	1	
24	92903-06100-00	WASHER, spring . . . . .	1	
25	90201-06557-00	WASHER, plate . . . . .	1	
26	4H7-W2171-01-00	WHEEL LOCK ASS'Y . . . . .	1	
27	4H7-28100-10-00	TOOL KIT . . . . .	1	

\*Indicates new part numbers activated from March, 1982.

## REAR ARM · SUSPENSION



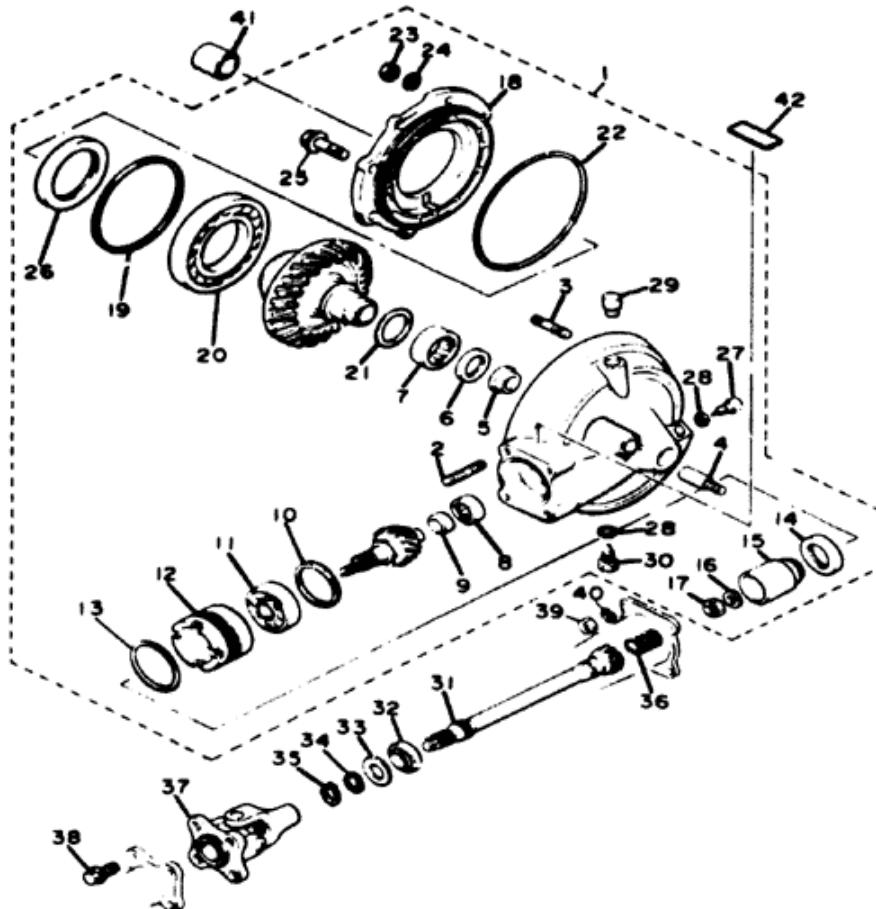
Ref. No.	Part Number	Description	Qty.	Remarks
* 1	4H7-22110-00-98	REAR ARM COMP. (4H7-22110-00-33)	1	Yamaha Black
2	4H7-22189-00-00	BOOT, rubber	1	
3	4H7-22141-00-00	SHAFT, pivot	1	
4	93332-00010-00	BEARING	2	
5	93102-25017-00	OIL SEAL	2	
6	90387-17543-00	COLLAR	2	
7	1J7-22141-00-00	SHAFT, pivot	1	
8	1J7-22143-00-00	NUT	1	
9	97306-08035-00	BOLT	1	
10	92906-08100-00	WASHER, spring	1	
11	90215-22171-00	WASHER, lock	1	
12	2H7-2219X-00-00	COVER	2	
13	90506-07136-00	SPRING, tension	1	
14	5N8-22210-00-00	SHOCK ABSORBER ASS'Y, rear	1	
15	4H7-22212-00-00	SPRING	1	
16	5N8-22210-10-00	SHOCK ABSORBER ASS'Y, rear	1	
17	4H7-22212-00-00	SPRING	1	
18	90176-10013-00	NUT, crown	1	
19	90176-10013-00	NUT, crown	2	
20	90201-10142-00	WASHER, plate	2	
21	90106-10030-00	BOLT	1	
22	92903-10100-00	WASHER, spring	1	
23	90201-10140-00	WASHER, plate	1	

### ALTERNATE PARTS

24	4H7-22210-A0-00	SHOCK ABSORBER ASS'Y, rear	1	Heavy Duty
25	4H7-22212-A0-00	SPRING	1	Heavy Duty
26	4H7-22210-E0-00	SHOCK ABSORBER ASS'Y, rear	1	Heavy Duty
27	4H7-22212-A0-00	SPRING	1	Heavy Duty

\* Indicates new part numbers activated from March, 1983.

## DRIVE SHAFT



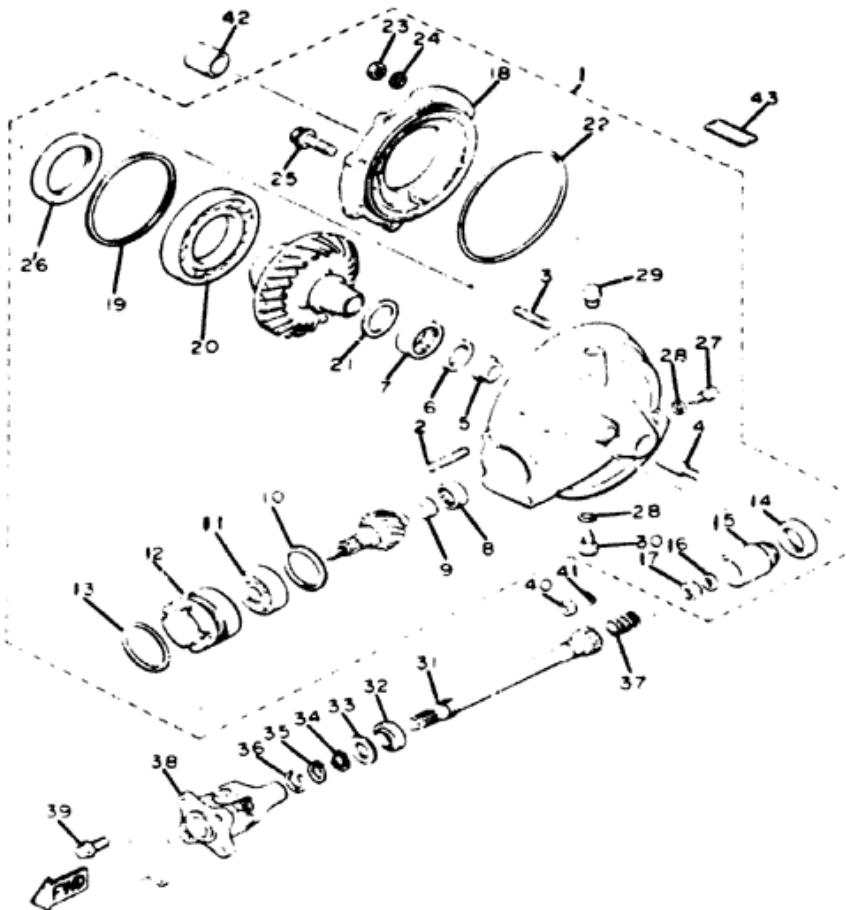
Ref. No.	Part Number	Description	Qty.	Remarks
1	5G2-46101-00-00	REAR AXLE GEAR CASE ASS'Y	1	
2	90116-10362-00	. BOLT, stud .....	4	
3	90116-08360-00	. BOLT, stud .....	6	
4	90116-10249-00	. BOLT, stud .....	1	
5	4H7-46153-00-00	. COLLAR, guide .....	1	
6	93101-30084-00	. OIL SEAL .....	1	
7	93311-43729-00	. BEARING, cylindrical .....	1	
8	93317-41510-00	. BEARING, cylindrical .....	1	
9	2H7-46122-00-00	. RACE, inner .....	1	
10	1J7-17537-Y0-15	. SHIM, thrust (0.15T) .....	1	U.R.
	1J7-17537-Y0-30	. SHIM, thrust (0.30T) .....	1	U.R.
	1J7-17537-Y0-40	. SHIM, thrust (0.40T) .....	1	U.R.
	1J7-17537-Y0-50	. SHIM, thrust (0.50T) .....	1	U.R.
	1J7-17537-Y0-60	. SHIM, thrust (0.60T) .....	1	U.R.
11	93306-30533-00	. BEARING (B6305RB1 Special)	1	
12	4H7-46125-00-00	. RETAINER, bearing .....	1	
13	93210-60426-00	. O-RING .....	1	
14	93101-38098-00	. OIL SEAL .....	1	
15	4H7-46123-00-00	. COUPLING, gear .....	1	
16	90201-14632-00	. WASHER, plate .....	1	



15U171-2270

Final Gear Case Capacity	200cc
Gear Case Lubricant	SAE 80W90 Hypoid Gear Oil GL-4

## DRIVE SHAFT

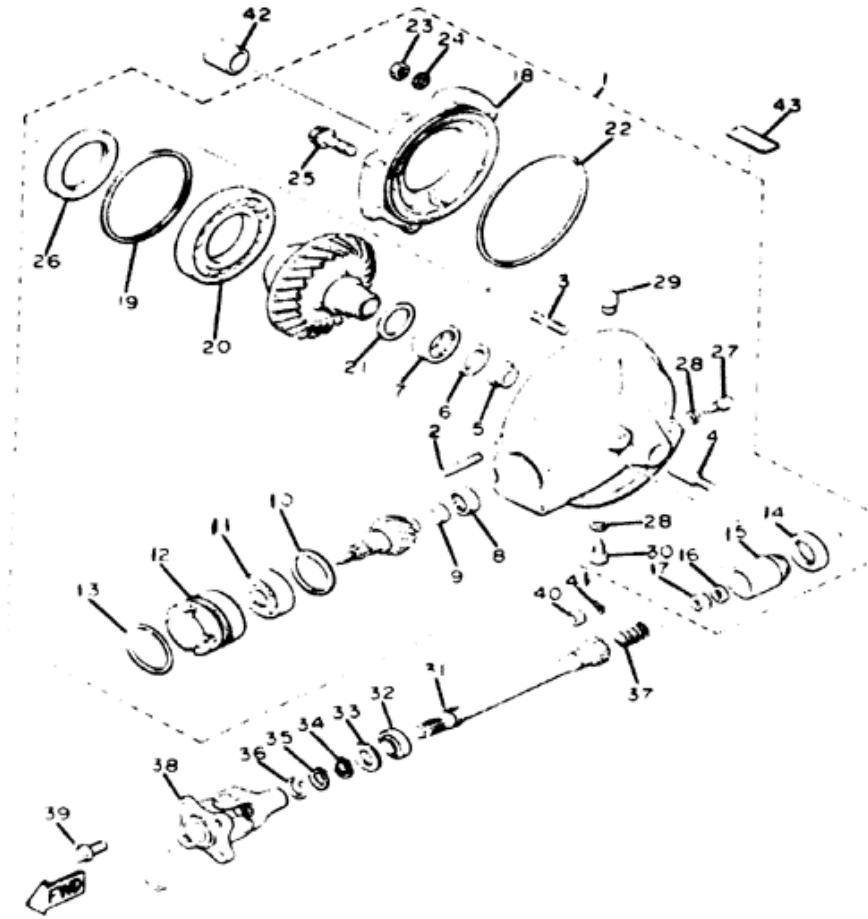


Ref. No.	Part Number	Description	Qty.	Remarks
17	90185-14070-00	. NUT, self-locking .....	1	
18	4H7-46152-00-00	. HOUSING, BEARING .....	1	
19	1J7-46117-Y0-25	. SHIM, ring gear (0.25T) .....	1	U.R.
	1J7-46117-Y0-30	. SHIM, ring gear (0.30T) .....	1	U.R.
	1J7-46117-Y0-35	. SHIM, ring gear (0.35T) .....	1	U.R.
	1J7-46117-Y0-40	. SHIM, ring gear (0.40T) .....	1	U.R.
	1J7-46117-Y0-45	. SHIM, ring gear (0.45T) .....	1	U.R.
	1J7-46117-Y0-50	. SHIM, ring gear (0.50T) .....	1	U.R.
20	93318-01403-00	. BEARING cylindrical .....	1	
21	1J7-46118-Y0-18	. WASHER, thrust (1.8T).....	1	U.R.
	1J7-46118-Y0-19	. WASHER, thrust (1.9T).....	1	U.R.
	1J7-46118-Y0-20	. WASHER, thrust (2.0T).....	1	U.R.
	1J7-46118-Y0-21	. WASHER, thrust (2.1T).....	1	U.R.
	4H7-46118-00-14	. WASHER, thrust (1.4T).....	1	U.R.
	4H7-46118-00-15	. WASHER, thrust (1.5T).....	1	U.R.
	4H7-46118-00-16	. WASHER, thrust (1.6T).....	1	U.R.
	4H7-46118-00-17	. WASHER, thrust (1.7T).....	1	U.R.
	4H7-46118-00-22	. WASHER, thrust (2.2T).....	1	U.R.
	4H7-46118-00-23	. WASHER, thrust (2.3T).....	1	U.R.
22	93211-44348-00	. O-RING .....	1	

5G2117-1260

Final Gear Case Capacity	200cc
Gear Case Lubricant; Temp. Above 5°C (40°F).	SAE 80 API Hypoid Gear Oil GL-4
Temp. Below 15°C (60°F)	SAE 80 API Hypoid Gear Oil GL-4
All Weather Conditions	SAE 80 API Hypoid Gear Oil GL-4

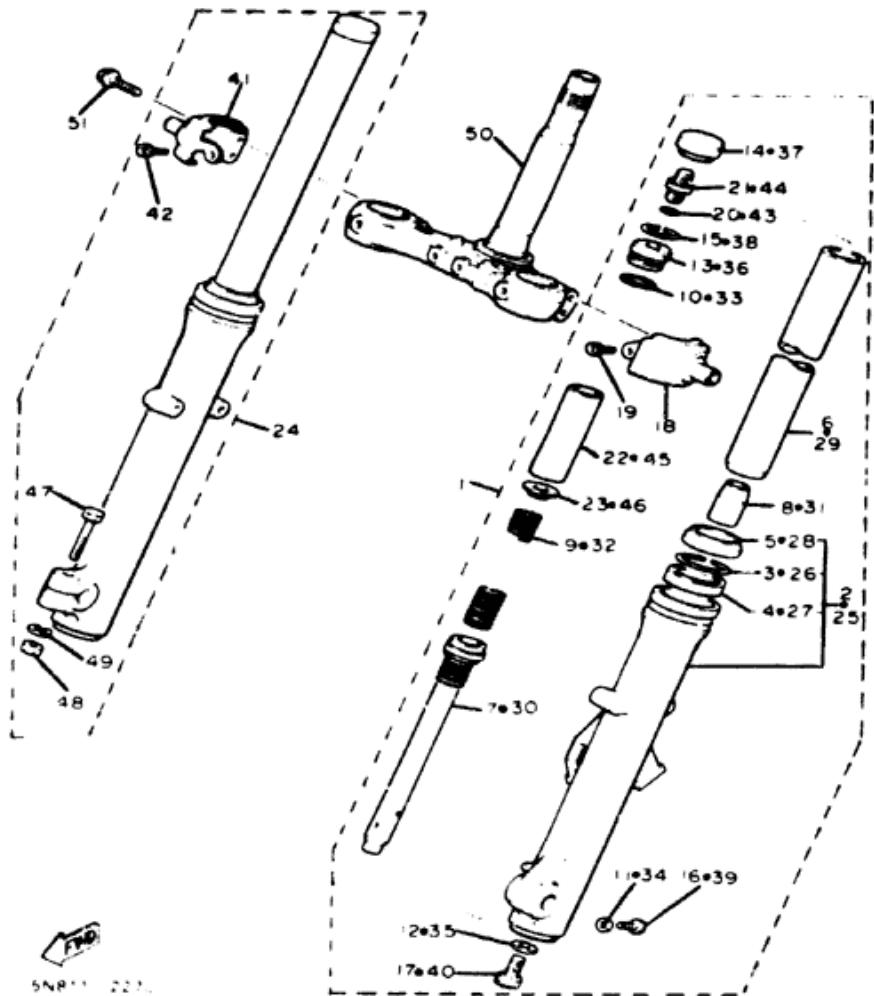
## DRIVE SHAFT



Ref No	Number	Description	Qty.	Remarks
23	95311-08600-00	NUT .....	6	
24	92901-08700-00	WASHER, wave .....	6	
26	95821-10025-00	BOLT, flange .....	2	
28	93102-70167-00	OIL SEAL .....	1	
27	11H-13455-00-00	PLUG, straight screw .....	1	
	90340-14089-00	PLUG, straight screw (90340-14009) .....	2	
28	214-11198-01-00	GASKET .....	2	
29	2H7-17590-00-00	BREATHER COMP .....	1	
30	90340-14042-00	PLUG, straight screw .....	1	
31	5G2-46172-00-00	SHAFT, drive .....	1	
32	93108-23007-00	OIL SEAL .....	1	
33	90201 231A2-00	WASHER, plate .....	1	
34	93410-23056-00	CIRCLIP .....	1	
35	93410-22039-00	CIRCLIP .....	1	
36	90468-14067-00	CLIP .....	1	
37	905C1-16491-00	SPRING, compression .....	1	
38	4H7-46180-00-00	CROSS JOINT COMP .....	1	
39	901C5-08066-00	BOLT, washer based .....	4	
40	95316-10600-00	NUT .....	4	
41	92906-10100-00	WASHER, spring .....	4	
42	90387-172A5-00	COLLAR .....	1	
43	4H7-46181-10-00	LABEL, oil caution .....	1	

Final Gear Case Capacity	200cc
Gear Case Lubricant Temp. Above 5°C (40°F)	SAE 80 API Hypoid Gear Oil GL-4
Temp. Below 15°C (60°F)	SAE 80 API Hypoid Gear Oil GL-4
All Weather Conditions	SAE 80 API Hypoid Gear Oil GL-4

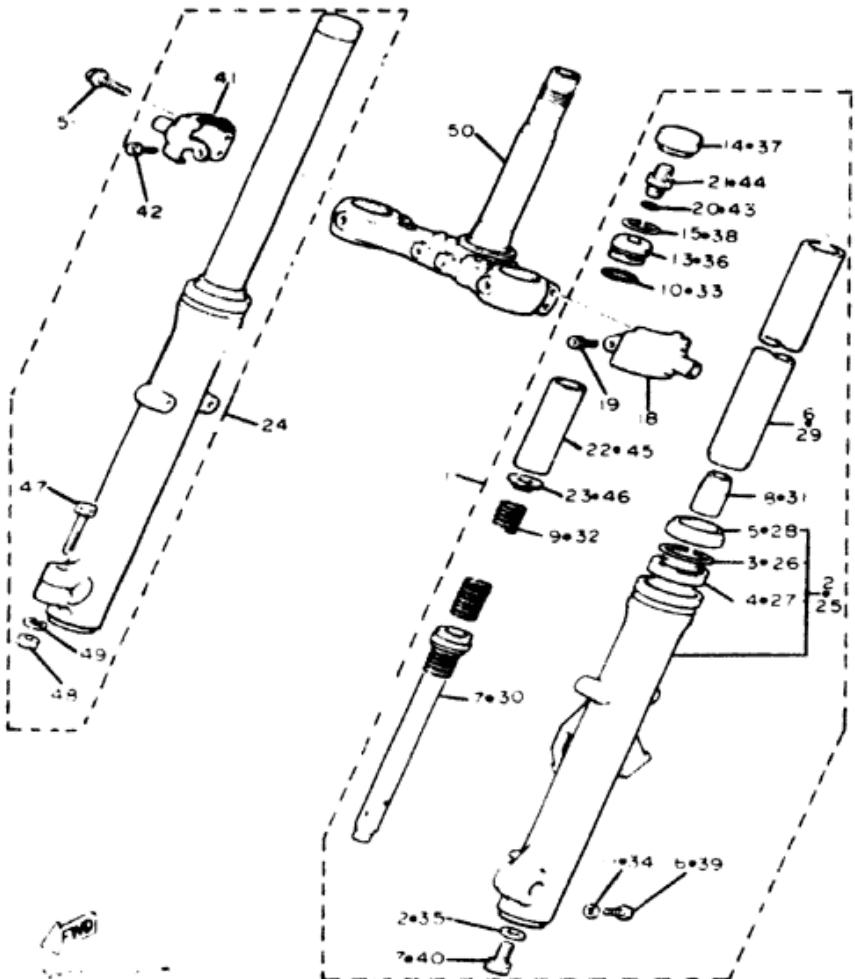
## FRONT FORK



Ref. No.	Part Number	Description	Qty.	Remarks
1	5N8-23102-00-00	FRONT FORK ASS'Y (L.H.).....	1	
2	4H7-23126-00-00	. TUBE, outer 1.....	1	
3	4A1-23156-00-00	. CLIP, oil seal.....	1	
4	15R-23145-00-00	. OIL SEAL (3J2-23145-00)....	1	
5	15R-23144-00-00	. SEAL, dust (4H7-23144-00)	1	
6	4H7-23110-00-00	. INNER TUBE COMP. 1.....	1	
7	4G0-23170-00-00	. CYLINDER COMP., front fork	1	
8	1W1-23173-L0-00	. SPINDLE, taper .....	1	
9	5N8-23141-00-00	. SPRING, front fork .....	1	
10	3J2-23114-00-00	. O-RING .....	1	
11	122-23129-00-00	. GASKET, drain plug.....	1	
12	509-23158-L0-00	. GASKET.....	1	
13	3J2-23111-00-00	. BOLT, cap .....	1	
14	4X7-23168-00-00	. CAP, front fork .....	1	
15	3J2-23183-00-00	. CIRCLIP.....	1	
16	4H7-23119-00-00	. PLUG, drain.....	1	
17	278-23181-50-00	. BOLT, hexagon socket head...	1	
18	4H7-23122-00-00	. COVER, outer 1 .....	1	
19	4H7-23181-00-00	. BOLT, hexagon socket head...	1	
20	3J2-23147-00-00	. C-RING .....	1	
21	3J2-23190-00-00	. AIR VALVE COMP.....	1	
22	5N8-23118-00-00	. SPACER.....	1	
23	583-23142-00-00	. SEAT, spring upper .....	1	
24	5N8-23103-00-00	FRONT FORK ASS'Y (R.H) .....	1	
25	4H7-23136-00-00	. TUBE, outer 2.....	1	
26	4A1-23156-00-00	. CLIP, oil seal.....	1	

Front Forks: Oil Type / Level / Qty	10 Wt. Fork Oil* / ø 262cc
Gas Pressure	Ø
Spring Length Std	606mm

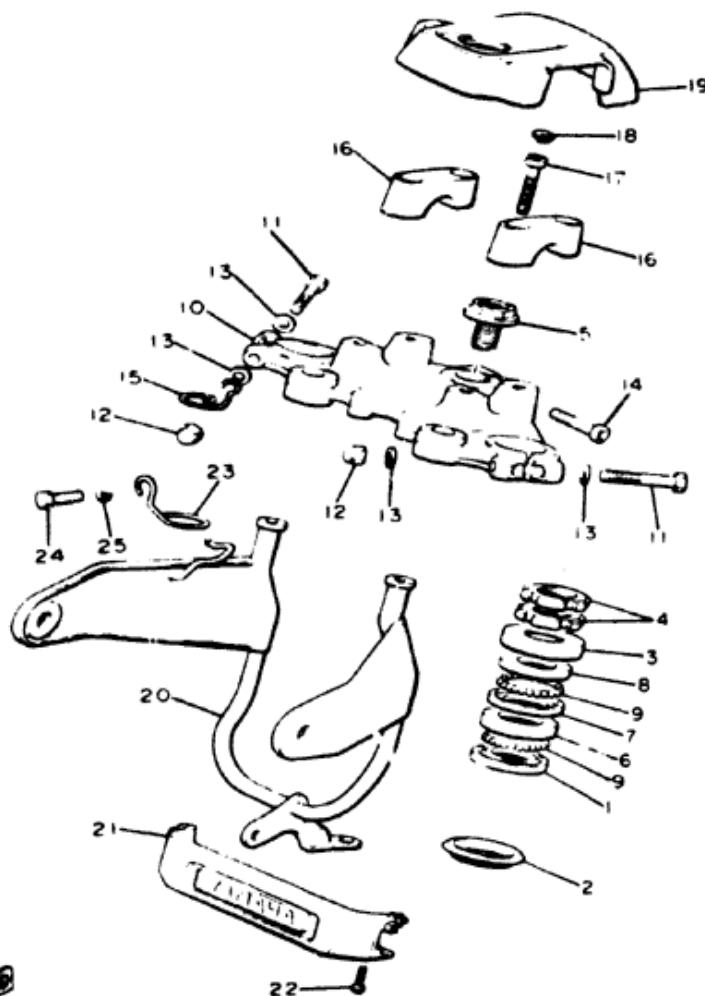
## FRONT FORK



Ref. No.	Part Number	Description	Qty.	Remarks
27	15R-23145-00-00	OIL SEAL (3J2-23145-00) . . .	1	
28	15R-23144-00-00	SEAL, dust (4H7-23144-00)	1	
29	4H7-23110-00-00	INNER TUBE COMP. 1.....	1	
30	4G0-23170-00-00	CYLINDER COMP., front fork	1	
31	1W1-23173-L0-00	SPINDLE, taper .....	1	
32	5N8-23141-00-00	SPRING, front fork .....	1	
33	3J2-23114-00-00	O-RING .....	1	
34	122-23129-00-00	GASKET, drain plug.....	1	
35	509-23158-L0-00	GASKET.....	1	
36	3J2-23111-00-00	BOLT, cap .....	1	
37	4X7-23168-00-00	CAP, front fork .....	1	
38	3J2-23183-00-00	CIRCLIP.....	1	
39	4H7-23119-00-00	PLUG, drain.....	1	
40	278-23181-50-00	BOLT, hexagon socket head...	1	
41	4H7-23132-00-00	COVER, outer 2 .....	1	
42	4H7-23181-00-00	BOLT, hexagon socket head...	1	
43	3J2-23147-00-00	O-RING .....	1	
44	3J2-23190-00-00	AIR VALVE COMP.....	1	
45	5N8-23118-00-00	SPACER.....	1	
46	583-23142-00-00	SEAT, spring upper .....	1	
47	97321-08045-00	BOLT .....	1	
48	95311-08600-00	NUT .....	1	
49	92903-08100-00	WASHER, spring (92901-08100)	1	
50	5N8-23340-00-33	UNDER BRACKET COMP. ....	1	Yamaha Black
51	90119-08012-00	BOLT, with washer .....	4	

Front Forks: Oil Type: Level: Qty:	10 Wt. Fork Oil* Ø: 262cc
Gas Pressure	Ø
Spring Length Std	606mm

## STEERING

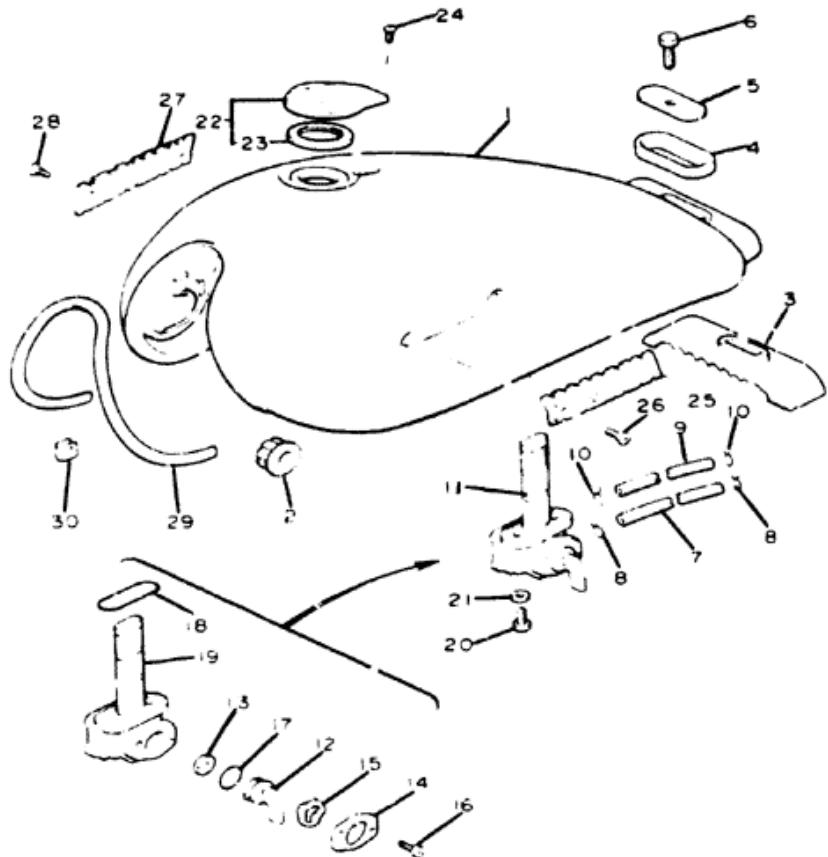


Ref. No.	Part Number	Description	Qty.	Remarks
1	256-23411-00-00	RACE, ball 1.....	1	
2	164-23462-00-00	SEAL, steering.....	1	
3	4K0-23415-00-00	COVER, ball race 1.....	1	
4	4H3-23454-00-00	NUT, fitting 2.....	2	
5	90105-14102-00	BOLT, washer based.....	1	
6	256-23412-00-00	RACE, ball 2.....	1	
7	256-23413-00-00	RACE, ball 3.....	1	
8	256-23414-00-00	RACE, ball 4.....	1	
9	93501-04011-00	BALL .....	38	
10	4H7-23435-00-98	CROWN, handle .....	1	Low Gloss Blk
11	97326-08055-00	BOLT .....	2	
12	95306-08800-00	NUT .....	2	
13	92906-08600-00	WASHER, plate .....	4	
14	91316-08040-00	BOLT .....	1	
15	4H7-23317-00-00	HOLDER, cable .....	1	
16	4H7-23441-00-98	HOLDER, handle upper .....	2	Low Gloss Blk
17	91316-08030-00	BOLT .....	4	
18	341-23469-00-00	CAP, bolt .....	4	
19	4H7-26213-00-00	COVER, upper .....	1	
20	4H7-23174-00-00	STAY, headlight .....	1	
21	4H7-23395-00-00	EMBLEM .....	1	
22	98603-05012-00	SCREW, oval head .....	2	
23	2G2-23318-00-00	HOLDER, cable 1.....	1	
24	97301-06012-00	BOLT .....	1	
25	92903-06100-00	WASHER, spring .....	1	



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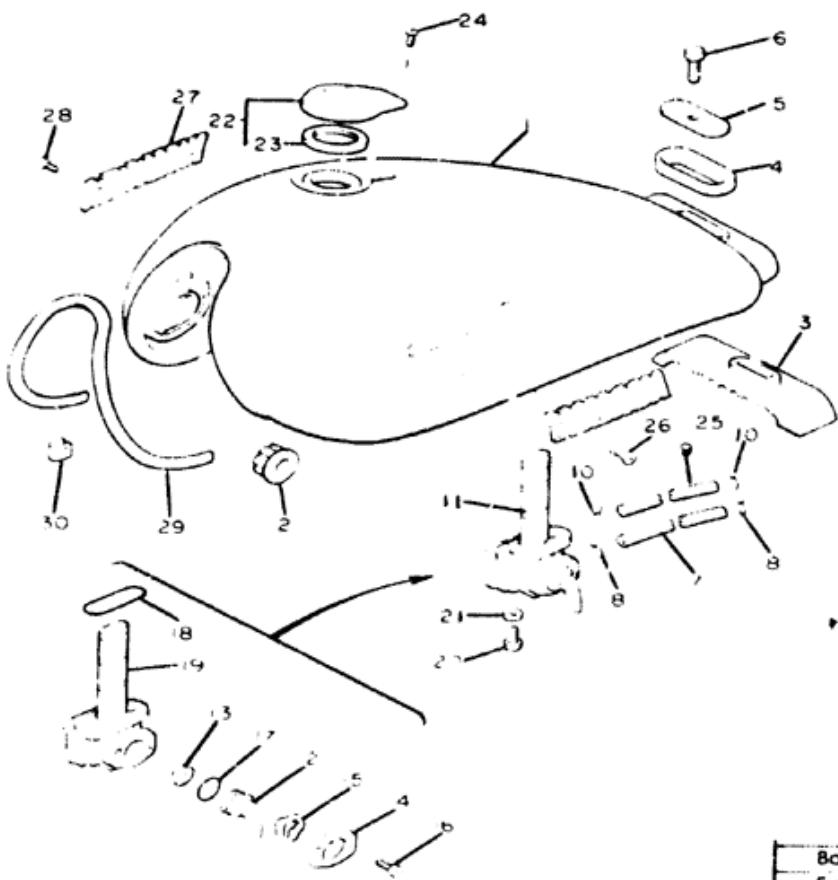
## FUEL TANK



Ref. No.	Part Number	Description	Qty.	Remarks
1	4H7-24110-00-H8	FUEL TANK COMP.....	1	U.R. Star Red
	4H7-24110-00-4J	FUEL TANK COMP.....	1	U.R. Black Blue
2	4H7-24181-00-00	DAMPER, locating 1.....	2	
3	4H7-24182-01-00	DAMPER, locating 2.....	1	
4	4H7-24183-00-00	DAMPER, locating 3.....	1	
5	4H7-24186-00-00	WASHER, special .....	1	
6	97302-08012-00	BOLT .....	1	
7	90445-11501-00	HOSE.....	1	
8	90467-10008-00	CLIP.....	2	
9	90445-095C0-00	HOSE.....	1	
10	90467-08003-00	CLIP.....	2	
11	4H7-24500-01-00	FUEL COCK ASS'Y 1 .....	1	
12	4H7-24524-00-00	LEVER, cock .....	1	
13	3H3-24523-00-00	VALVE .....	1	
14	4H7-24525-00-00	PLATE, lever fitting .....	1	
15	3H3-24518-00-00	WASHER, wave .....	1	
16	98501-03008-00	SCREW, pan head .....	2	
17	3H3-24534-00-00	O-RING .....	1	
18	2W6-24512-00-00	O-RING .....	1	
19	3Y1-24514-20-00	NET, filter 1 .....	1	

Basic Color(s)	Black Blue (B)	Star Red (R)
Fuel Type	Fuel Tank Capacity	Reserve Capacity
	Regular	13 Lit. 3.4 Lit.

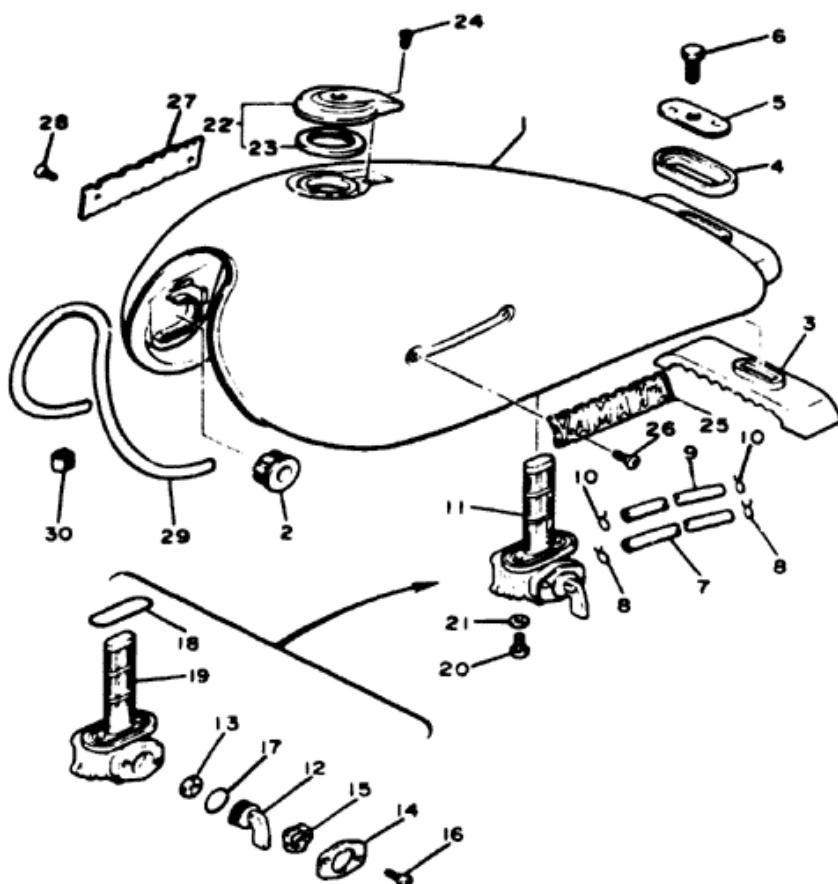
## FUEL TANK



Ref. No.	Part Number	Description	Qty.	Remarks
20	90149-0601100	SCREW.....	2	
21	90202-06010-00	WASHER, plate.....	2	
22	4X7-24602-00-00	CAP ASS'Y.....	1	
23	4X7-24612-00-00	GASKET, cap .....	1	
24	98506-05010-00	SCREW, pan head.....	1	
25	4H7-24161-00-00	EMBLEM 1.....	1	
26	90152-04006-00	SCREW, countersunk .....	2	
27	4H7-24162-00-00	EMBLEM 2.....	1	
28	90152-04006-00	SCREW, countersunk .....	2	
29	4H7-24189-00-00	PLATE, mold.....	1	
30	90468-03063-00	CLIP.....	5	

Basic Color(s)	Black Blue (B)	Star Red (R)
Fuel Type	Fuel Tank Capacity	Reserve Capacity
	Regular 13 Lit.	3.4 Lit

## FUEL TANK



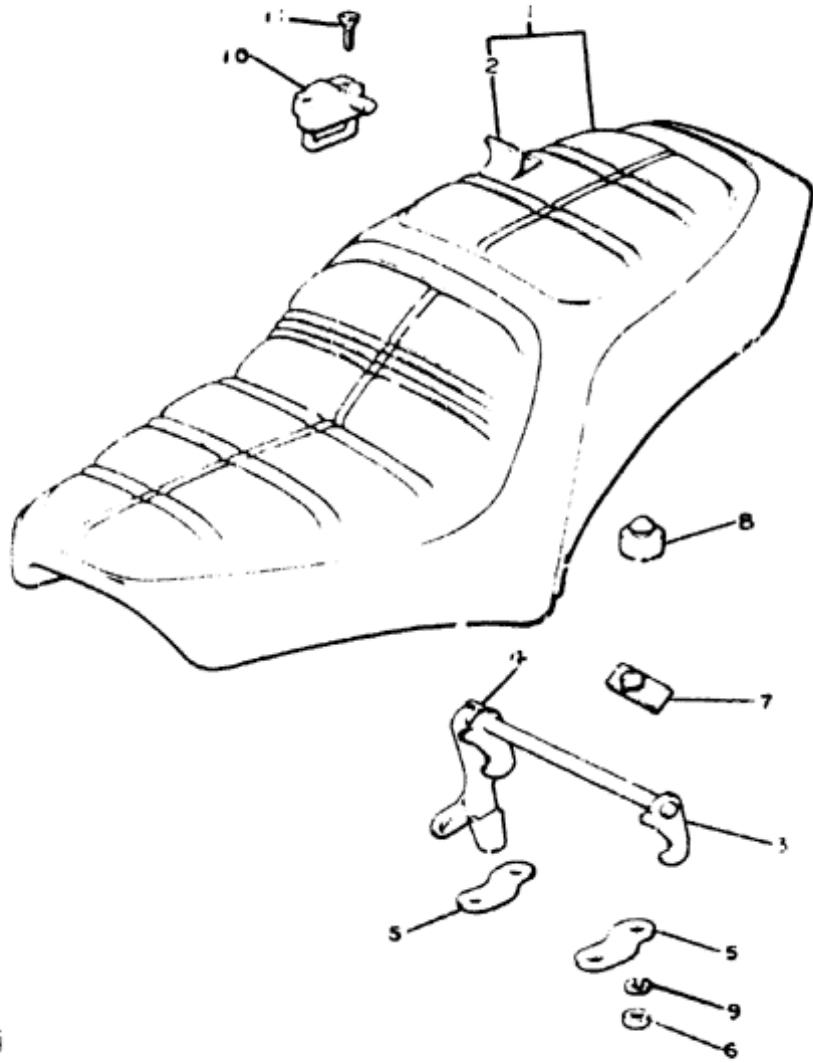
Ref. No.	Part Number	Description	Qty.	Remarks
1	4H7-24110-00-2U	FUEL TANK COMP. ....	1	U.R. Super Red
	4H7-24110-00-4J	FUEL TANK COMP. ....	1	U.R. Blk Blue
2	4H7-24181-00-00	DAMPER, locating 1.....	2	
3	4H7-24182-01-00	DAMPER, locating 2.....	1	
4	4H7-24183-00-00	DAMPER, locating 3.....	1	
5	4H7-24186-00-00	WASHER, special .....	1	
6	97302-08012-00	BOLT .....	1	
7	90445-11501-00	HOSE .....	1	
8	90467-10008-00	CLIP .....	2	
9	90445-09500-00	HOSE .....	1	
10	90467-08075-00	CLIP .....	2	
11	4H7-24500-01-00	FUEL COCK ASS'Y 1 .....	1	
12	4H7-24524-00-00	LEVER, cock .....	1	
13	3H3-24523-00-00	VALVE .....	1	
14	4H7-24525-00-00	PLATE, lever fitting .....	1	
15	3H3-24518-00-00	WASHER, wave .....	1	
16	98501-03008-00	SCREW, pan head .....	2	
17	3H3-24534-00-00	O-RING .....	1	
18	2W6-24512-00-00	O-RING .....	1	
19	3Y1-24514-20-00	NET, filter 1 .....	1	
20	90149-06011-00	SCREW .....	2	
21	90202-06010-00	WASHER, plate .....	2	



5N8110-2290

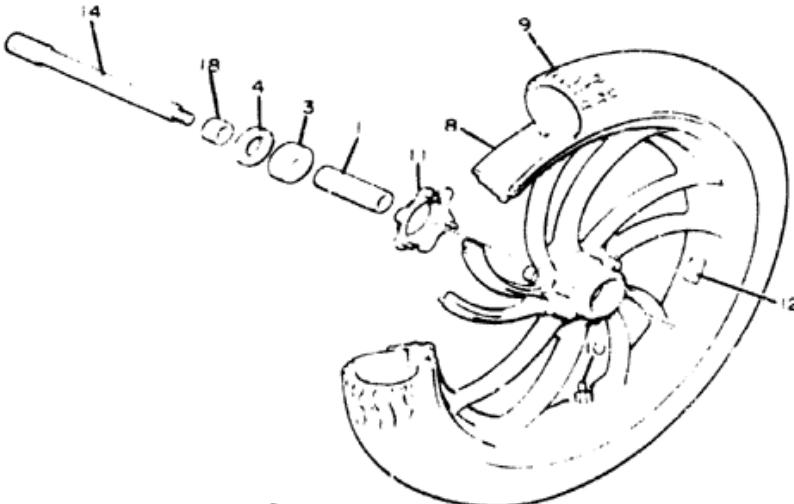
Fuel Type / Total Fuel Tank Capacity / Reserve Cap.	Regular / 13 Lit. / 3.4 Lit.
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## S E A T



Ref. No.	Part Number	Description	Qty.
1	4H7-W2472-10-00	DOUBLE SEAT ASS'Y .....	1
2	4H7-24731-00-00	. COVER, double seat .....	1
3	4H7-24776-00-00	LEVER, seat .....	1
4	90508-20412-00	SPRING, torsion .....	1
5	4H7-24775-00-00	BRACKET, seat lever .....	2
6	95302-06600-00	NUT.....	4
7	4H7-24723-00-00	DAMPER, seat.....	2
8	278-27114-00-00	STOPPER, main stand .....	2
9	92903-06100-00	WASHER, spring (92902-06100)	4
10	4H7-24705-00-00	SEAT LOCK ASS'Y .....	1
11	98701-05016-00	SCREW, flat head .....	2

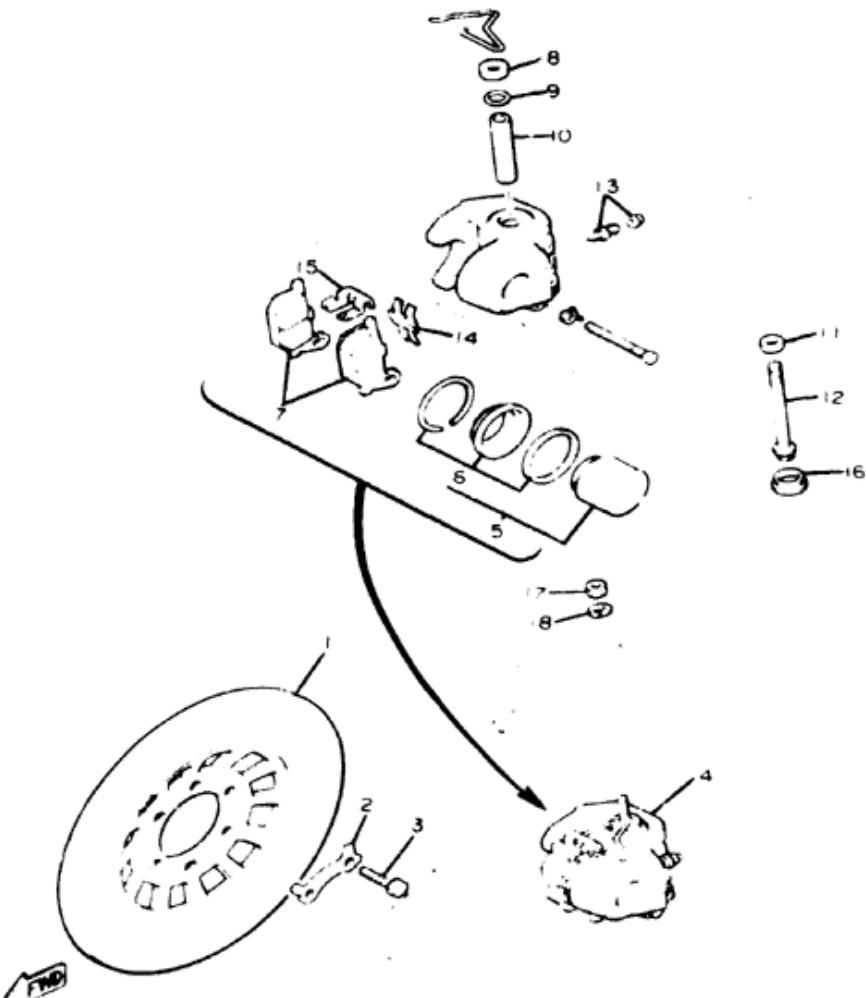
## FRONT WHEEL



Ref. No.	Part Number	Description	Qty.	Remarks
1	90560-15116-00	SPACER .....	1	
2	146-25115-00-00	FLANGE, spacer 1 .....	1	
3	93306-30203-00	BEARING (B6302Z) .....	2	
4	93102-22014-00	OIL SEAL .....	1	
5	341-25149-00-00	CLUTCH, meter .....	1	
6	341-25846-00-00	RETAINER, clutch .....	1	
7	93105-45017-00	OIL SEAL .....	1	
8	4H7-25168-20-98	CAST WHEEL, front (1.85-19) ...	1	Low Gloss Black
9	94132-193M3-00	TIRE (3.25-19) .....	1	Bridgestone
	94132-19469-00	TIRE (3.25-19) (94132-19457)	1	
10	93900-00001-00	VALVE, rim (16024 101) .....	1	Bridgestone
11	1U4-25847-00-00	COVER, housing .....	1	
12	1A1-25398-01-00	BALANCER, wheel (20G) .....	1	U.N.
	1A1-25399-00-00	BALANCER, wheel (10G) .....	1	U.N.
	2M0-25399-00-00	BALANCER, wheel (30G) .....	1	U.N.
13	4H7-25190-00-00	GEAR UNIT ASS'Y .....	1	
14	4H7-25181-01-00	AXLE, wheel (4H7-25181-01) ...	1	
15	92901-14200-00	WASHER, plain .....	1	
16	90171-14020-00	NUT, castle .....	1	
17	91401-30030-00	PIN, cotter .....	1	
18	90387-15734-00	COLLAR .....	1	

Front Axle Nut	14 x 1.5: 10.7 m-kg
Front Axle Holder Nut	8 x 1.25: 2.0 m-kg
Minimum Brake Lining Thickness	Front: 1.2mm      Rear: 2.0mm
Tire Size (Nominal Pressure)	F 3.25H19 (1.8 kg/cm <sup>2</sup> )      R 130/90-15 67H (2.0 kg/cm <sup>2</sup> )

## FRONT BRAKE CALIPER



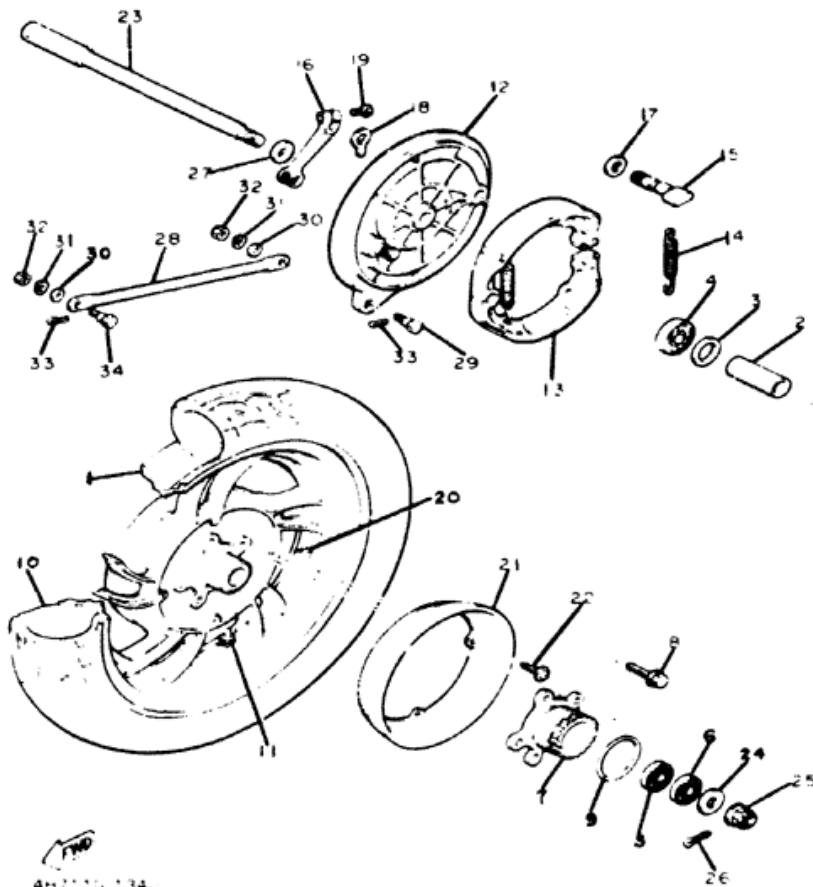
Ref. No.	Part Number	Description	Qty.	Remarks
1	1J3-25831-00-00	DISC, brake .....	1	
2	1J3-25834-01-00	WASHER, lock.....	3	
3	90101-08312-00	BOLT.....	6	
4	4H7-25810-11-00	CALIPER ASS'Y (LEFT) .....	1	
5	2G2-W0057-00-00	. PISTON ASS'Y, caliper.....	1	
6	2G2-W0047-00-00	. . CALIPER SEAL KIT .....	1	
7	4H7-W0045-10-00	. BRAKE PAD KIT, front .....	1	
8	90201-08689-00	. WASHER, plate .....	1	
9	2G2-W0044-00-00	. O-RING KIT, caliper.....	1	
10	2G2-25838-00-00	SLEEVE, caliper.....	1	
11	90201-09690-00	. WASHER, plate .....	1	
12	2G2-25821-00-00	. BOLT 1.....	1	
13	1J3-W0048-00-00	. BREED SCREW KIT .....	1	
14	2G2-25919-00-00	. PAD SPRING, caliper .....	1	
15	2G2-25849-01-00	. RETAINER, caliper.....	1	
16	2G2-25916-00-00	. CAP, pivot bolt.....	1	
17	95331-08600-00	NUT.....	1	
18	92903-08100-00	WASHER, spring (92901-08100)	1	

Minimum Brake Lining Thickness

Front: 1.2mm

Rear: 2.0mm

## REAR WHEEL

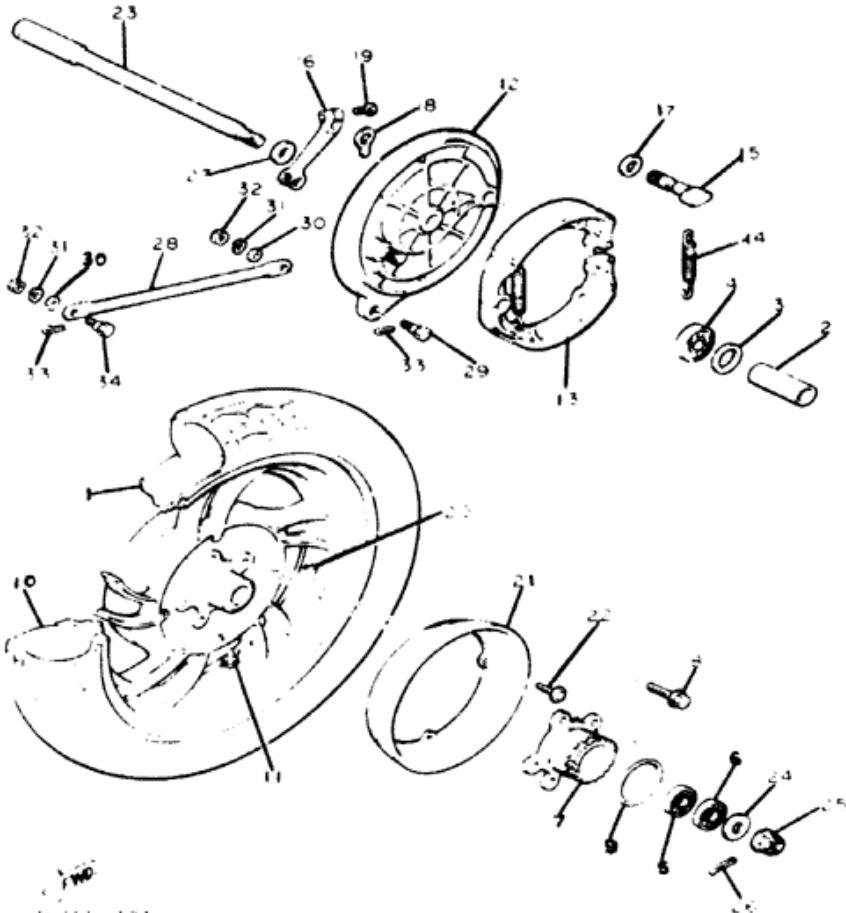


4H7111-134

Ref. No.	Part Number	Description	Qty.	Remarks
1	4H7-25338-20-98	CAST WHEEL, rear (3.00-16) ...	1	Low Gloss Black
2	90560-17125-00	SPACER .....	1	
3	148-25315-00-00	FLANGE, spacer .....	1	
4	93306-30306-00	BEARING (B6303).....	1	
5	93306-20316-00	BEARING (B6203).....	1	
6	93306-20310-00	BEARING (B6203RS).....	1	
7	4H7-25366-01-00	CLUTCH, hub.....	1	
8	90105-10200-00	BOLT, washer based.....	5	
9	93210-57428-00	O-RING.....	1	
10	94113-16436-00	TIRE (130/90-16 67H).....	1	Bridgestone
11	93900-00001-00	VALVE, rim (16024 101) .....	1	Bridgestone
12	4H7-25321-00-00	PLATE, brake shoe .....	1	
13	4H7-25330-01-00	BRAKE SHOE COMP. ....	2	
14	90507-20002-00	SPRING, tension .....	2	
15	4H7-25351-00-00	CAMSHAFT .....	1	
16	371-25355-02-00	LEVER, camshaft.....	1	
17	90201-14577-00	WASHER, plate .....	1	
18	4H7-2533A-02-00	PLATE, indicator .....	1	
19	90101-06291-00	BOLT .....	1	
20	1A1-25398-01-00	BALANCER, wheel (20G).....	1	U.N.
	1A1-25399-00-00	BALANCER, wheel (10G).....	1	U.N.
	2M0-25399-00-00	BALANCER, wheel (30G).....	1	U.N.

Minimum Brake Lining Thickness Tire Size (Nominal Pressure)	Front: 1.2mm F 3 25H19 (1.8 kg/cm <sup>2</sup> )	Rear: 2.0mm R 130 90-16 67H (2.0 kg/cm <sup>2</sup> )
Rear Axle Nut	14 x 1.5 10.7 m·kg	
Rear Axle Pinch Bolt	8 x 1.25 0.6 m·kg	

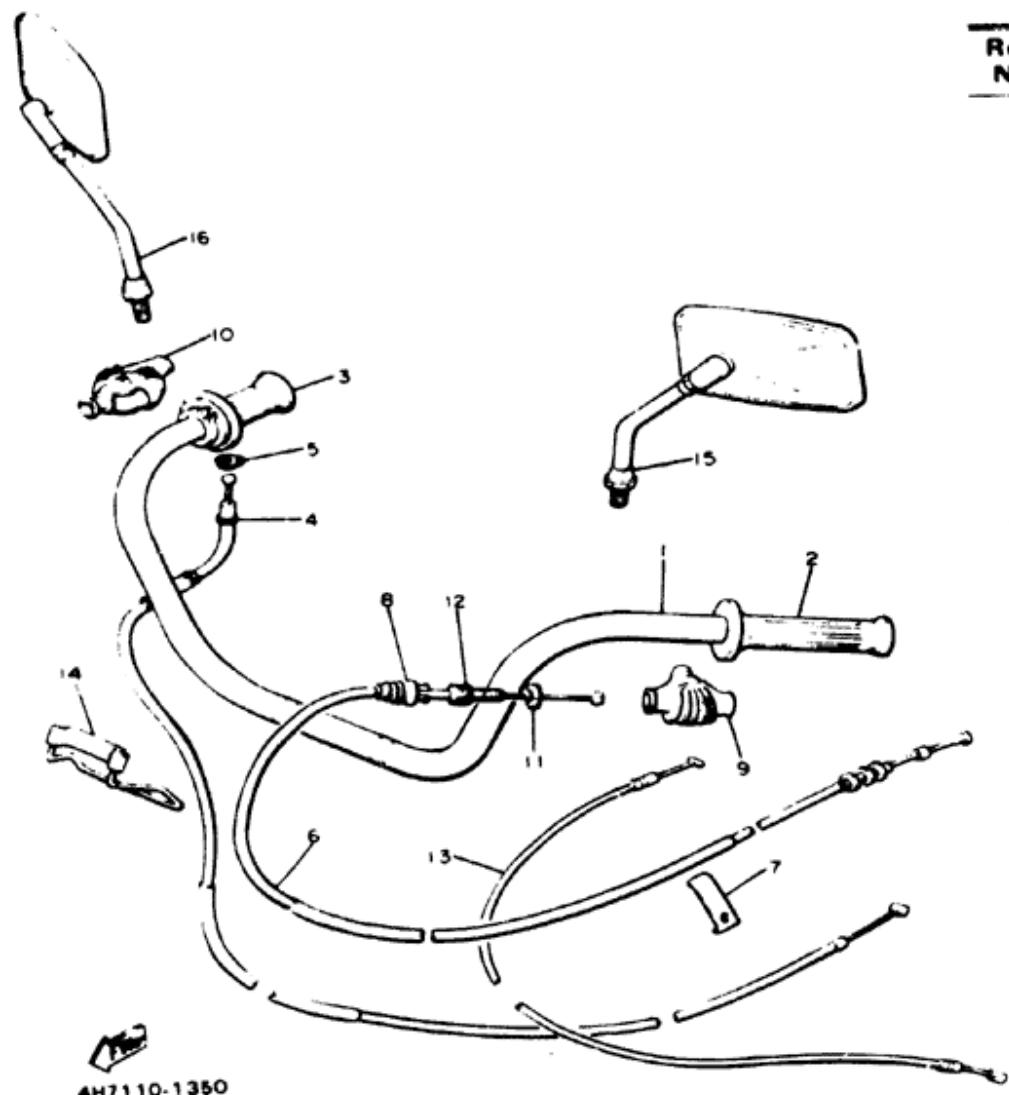
## REAR WHEEL



Ref. No.	Part Number	Description	Qty.	Remarks
21	4H7-25327-00-00	COVER, plate.....	1	
22	90159-05018-00	SCRW, with washer.....	4	
23	4H7-25381-00-00	AXLE, wheel.....	1	
24	90201-141A3-00	WASHER, plate.....	1	
25	90179-14217-00	NUT.....	1	
26	91401-30030-00	PIN, cotter.....	1	
27	4H7-25377-00-00	COLLAR, wheel.....	1	
28	3H0-25371-00-00	BAR, tension .....	1	
29	90109-08406-00	BOLT.....	1	
30	92901-08600-00	WASHER, plate.....	2	
31	92903-08100-00	WASHER, spring (92901-08100)	2	
32	95301-08700-00	NUT.....	2	
33	91401-20015-00	PIN, cotter .....	2	
34	90109-08368-00	BOLT .....	1	

Minimum Brake Lining Thickness	Front: 1.2mm	Rear: 2.0mm
Tire Size (Nominal Pressure)	F 3.25H19 (1.8 kg/cm <sup>2</sup> )	R 130/90-16 67H (2.0 kg/cm <sup>2</sup> )
Rear Axle Nut	14 x 1.5. 10.7 m-kg	
Rear Axle Pinch Bolt	8 x 1.25. 0.6 m-kg	

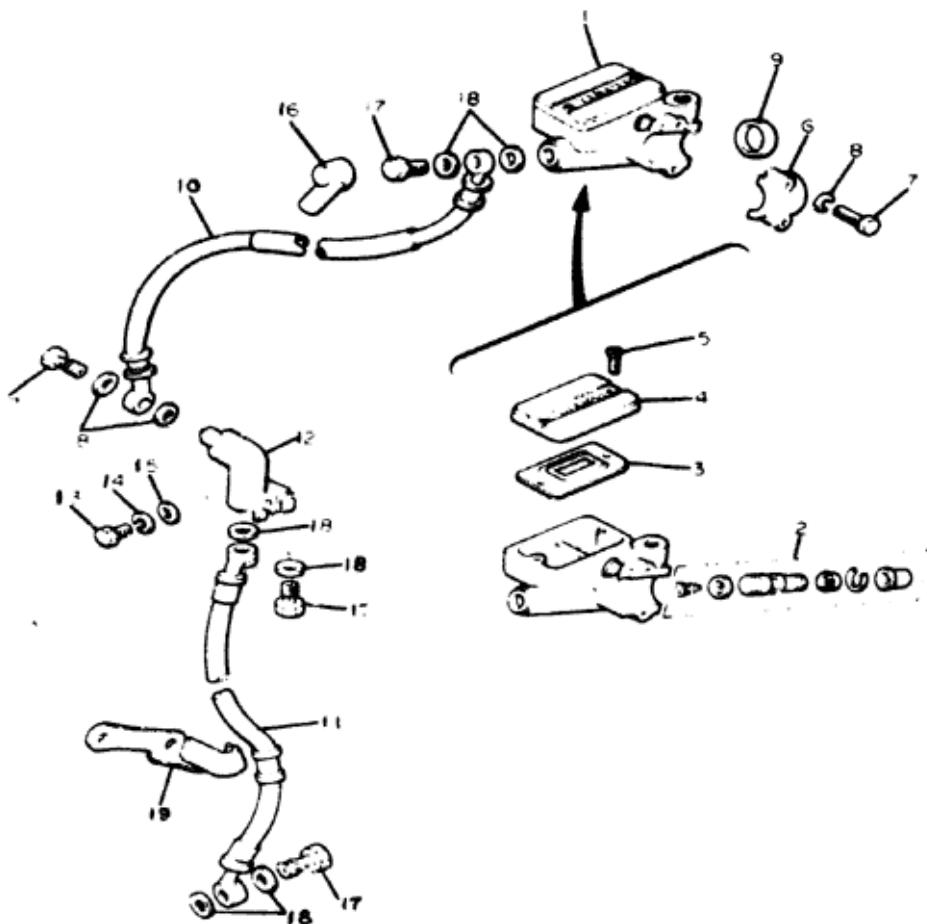
## HANDLEBAR - CABLE



4H7110-1350

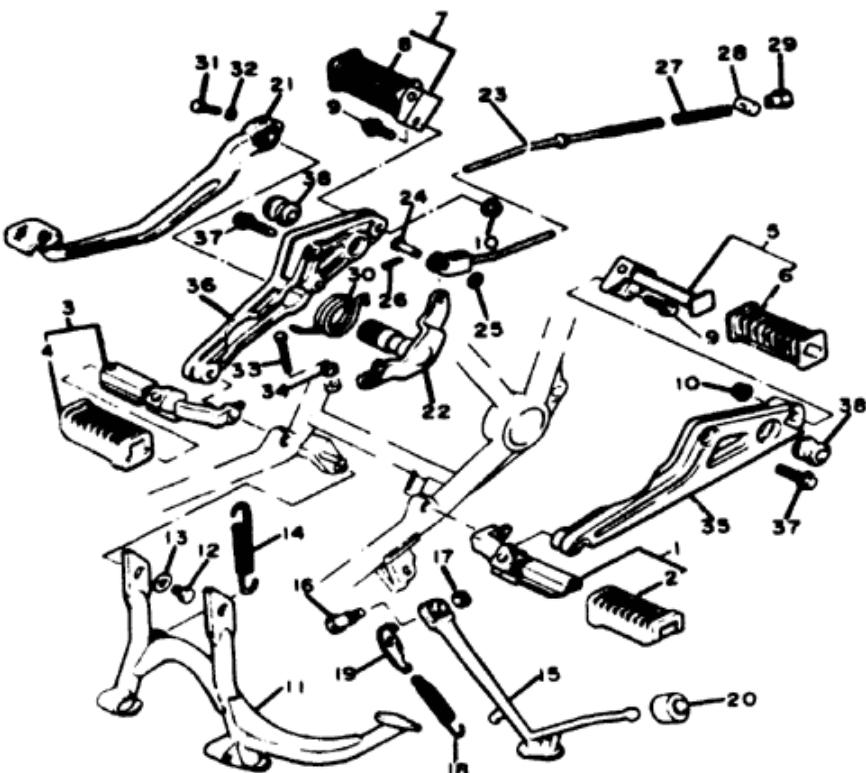
Ref. No.	Part Number	Description	Qty.
1	4H7-26111-10-00	HANDLEBAR .....	1
2	2H7-26241-00-00	GRIP (L.H) .....	1
3	2H7-26240-00-00	GRIP ASS'Y .....	1
4	4W5-26311-00-00	CABLE, throttle 1.....	1
5	584-26393-02-00	HOLDER .....	1
6	4H7-26335-00-00	CABLE, clutch .....	1
7	4H7-26393-00-00	HOLDER .....	1
8	1E6-26342-00-00	BOOT, cable .....	1
9	1E6-26372-00-00	COVER, handle lever 1 .....	1
10	1T5-26372-00-00	COVER, handle lever 1 .....	1
11	90179-08148-00	NUT .....	1
12	90123-08046-00	BOLT .....	1
13	4H7-26331-00-00	CABLE, starter 1 .....	1
14	1J7-26399-00-00	GUIDE, cable .....	1
15	4H7-26290-10-00	BACK MIRROR ASS'Y .....	1
16	4H7-26290-00-00	BACK MIRROR ASS'Y .....	1

## FRONT MASTER CYLINDER



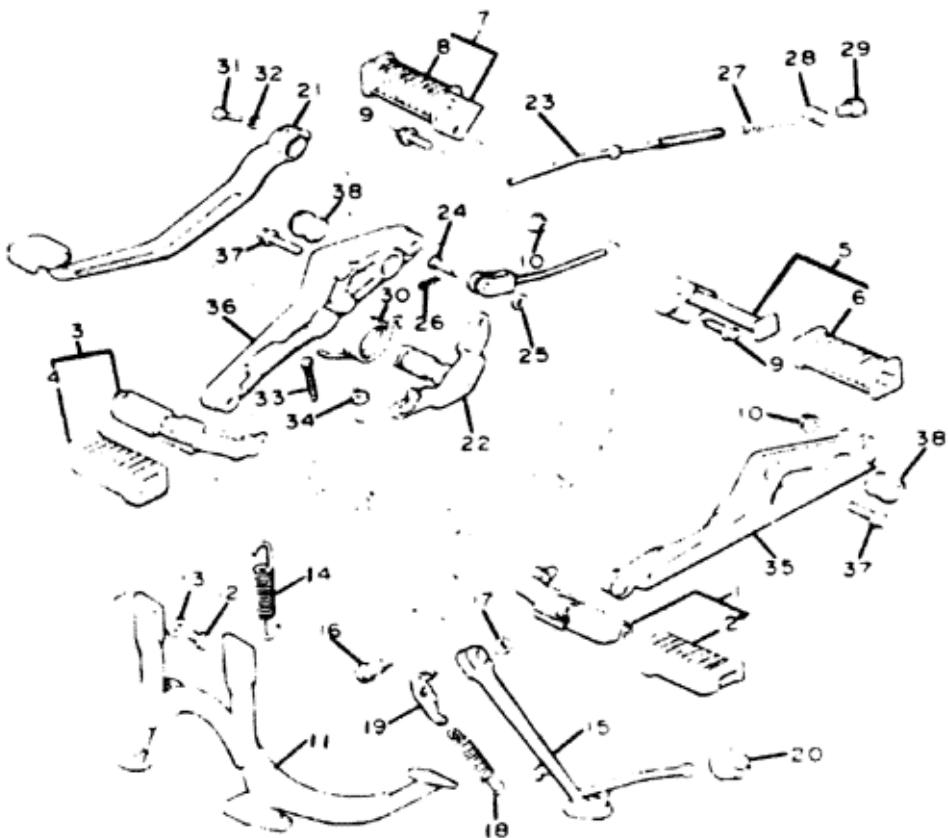
Ref. No.	Part Number	Description	Qty.
1	4H7-25850-01-00	MASTER CYLINDER ASS'Y (4H7-25850-01).....	1
2	4H7-W0041-00-00	CYLINDER KIT, master.....	1
3	4L0-25854-00-00	DISPHRAGM, reservoir.....	1
4	4L0-25852-00-00	CAP, reservoir.....	1
5	98706-04010-00	SCREW, flat head .....	2
6	4L0-25867-00-00	BRACKET, master cylinder .....	1
7	97326-06025-00	BOLT .....	2
8	92906-06100-00	WASHER, spring.....	2
9	90387-22660-00	COLLAR .....	1
10	2G2-25872-01-00	HOSE, brake 1.....	1
11	4H7-25873-00-00	HOSE, brake 2.....	1
12	1J7-25885-01-00	JOINT .....	1
13	97301-06025-00	BOLT .....	1
14	92903-06100-00	WASHER, spring (92901-06100)	1
15	92901-06600-00	WASHER, plate .....	1
16	306-25862-00-00	BOOT, master cylinder.....	1
17	90401-10034-00	BOLT, union .....	4
18	90201-10118-00	WASHER, plate.....	8
19	1J3-25876-02-00	HOLDER, brake hose 2 .....	1

## STAND - FOOTREST



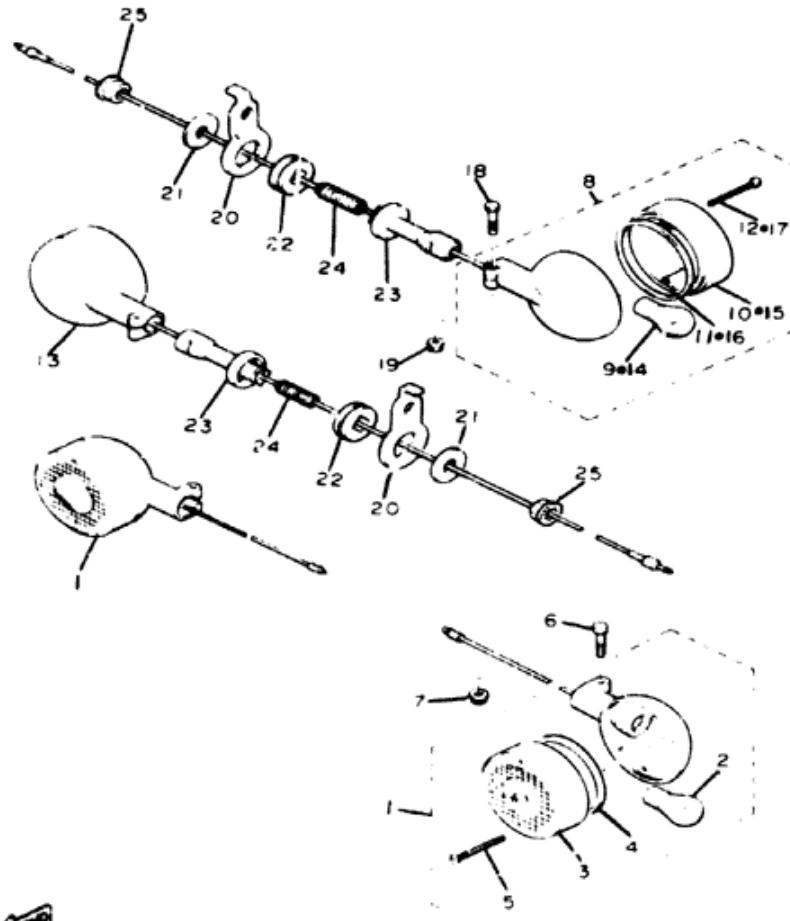
Ref. No.	Part Number	Description	Qty.	Remarks
1	4W5-27410-00-00	FRONT FOOTREST ASS'Y (L.H)	1	
2	1J7-27413-01-00	. COVER, footrest.....	1	
3	4W5-27420-00-00	FRONT FOOTREST ASS'Y (R.H)	1	
4	1J7-27413-01-00	. COVER, footrest.....	1	
5	4H7-27430-00-00	REAR FOOTREST ASS'Y 1 .....	1	
6	1J7-27433-00-00	. COVER, rear footrest.....	1	
7	4H7-27440-00-00	REAR FOOTREST ASS'Y 2 .....	1	
8	1J7-27444-00-00	. COVER, rear footrest.....	1	
9	95821-10035-00	BOLT, flange.....	2	
19	90179-10247-00	NUT.....	2	
11	4H7-27111-00-R4	STAND, main .....	1	Black
12	97302-10016-00	BOLT.....	2	
13	90201-10752-00	WASHER, plate.....	2	
14	90506-35149-00	SPRING, tension.....	1	
15	4H7-27311-01-R4	STAND, side.....	1	Black
16	90109-10473-00	BOLT.....	1	
17	95301-10700-00	NUT.....	1	
18	90506-29266-00	SPRING, tension.....	1	
19	5N8-27315-00-00	LINK, side stand .....	1	
20	1AO-27114-00-00	STOPPER, main stand .....	1	

## STAND · FOOTREST



Ref. No.	Part Number	Description	Qty.
21	4H7-27211-00-00	PEDAL, brake.....	1
22	4H7-27212-00-00	SHAFT, brake pedal .....	1
23	4H7-27231-00-00	ROD, brake.....	1
24	90240-06040-00	PIN, clevis .....	1
25	92903-06200-00	WASHER, plain (92901-06200)	1
26	91401-20015-00	PIN, cotter .....	1
27	90501-10245-00	SPRING, compression .....	1
28	90249-12008-00	PIN .....	1
29	90179-06176-00	NUT.....	1
30	90508-45446-00	SPRING, torsion .....	1
31	90109-06468-00	BOLT .....	1
32	92903-06100-00	WASHER, spring (92901-06100)	1
33	90153-06009-00	SCREW, hexagon .....	1
34	90170-06184-00	NUT.....	1
35	4H7-27442-00-00	BRACKET 2 .....	1
36	4H7-27443-00-00	BRACKET 3 .....	1
37	95821-10030-00	BOLT, flange.....	3
38	3H3-27414-00-00	DAMPER, footrest.....	2

## FLASHER LIGHT

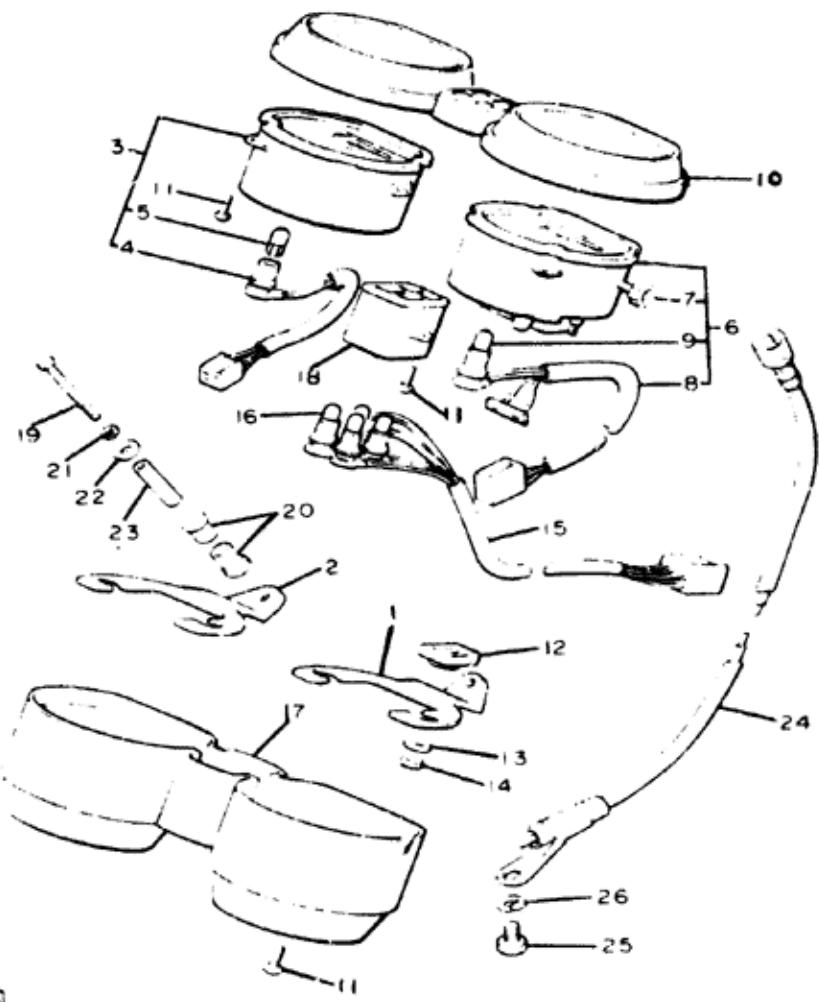


Ref. No.	Part Number	Description	Qty.	Remarks
1	4J1-83310-K0-00	FRONT FLASHER LIGHT ASS'Y 1	2	
2	256-83311-70-00	. BULB (12V-27W) .....	1	
3	4H7-83312-00-00	. LENS, flasher .....	1	
4	4H7-83313-00-00	. GASKET, flasher lens .....	1	
5	98501-03030-00	. SCREW, pan head .....	2	
6	97301-06030-00	BOLT (97303-06030) .....	2	
7	95701-06100-00	NUT, flange .....	2	
8	5K5-83330-K0-00	REAR FLASHER LIGHT ASS'Y 1	1	
9	256-83311-70-00	. BULB (12V-27W) .....	1	
10	4H7-83312-00-00	. LENS, flasher .....	1	
11	4H7-83313-00-00	. GASKET, flasher lens .....	1	
12	98502-03030-00	. SCREW, pan head .....	2	
13	5K5-83340-K0-00	REAR FLASHER LIGHT ASS'Y ...	1	
14	256-83311-70-00	. BULB (12V-27W) .....	1	
15	4H7-83312-00-00	. LENS, flasher .....	1	
16	4H7-83313-00-00	. GASKET, flasher lens .....	1	
17	98502-03030-00	. SCREW, pan head .....	2	
18	97301-06030-00	BOLT (97303-06030) .....	2	
19	95701-06100-00	NUT, flange .....	2	
20	4H7-83318-01-00	STAY, flasher 1 .....	2	
21	90201-127A1-00	WASHER, plate .....	2	
22	341-83321-01-00	DAMPER, flasher 1 .....	2	
23	4X7-83328-00-00	STAY, flasher 2 .....	2	
24	4X7-83325-00-00	BOLT, flasher stay fitting .....	2	
25	95706-12100-00	NUT, flange .....	2	

Headlight Taillight Signal Rating

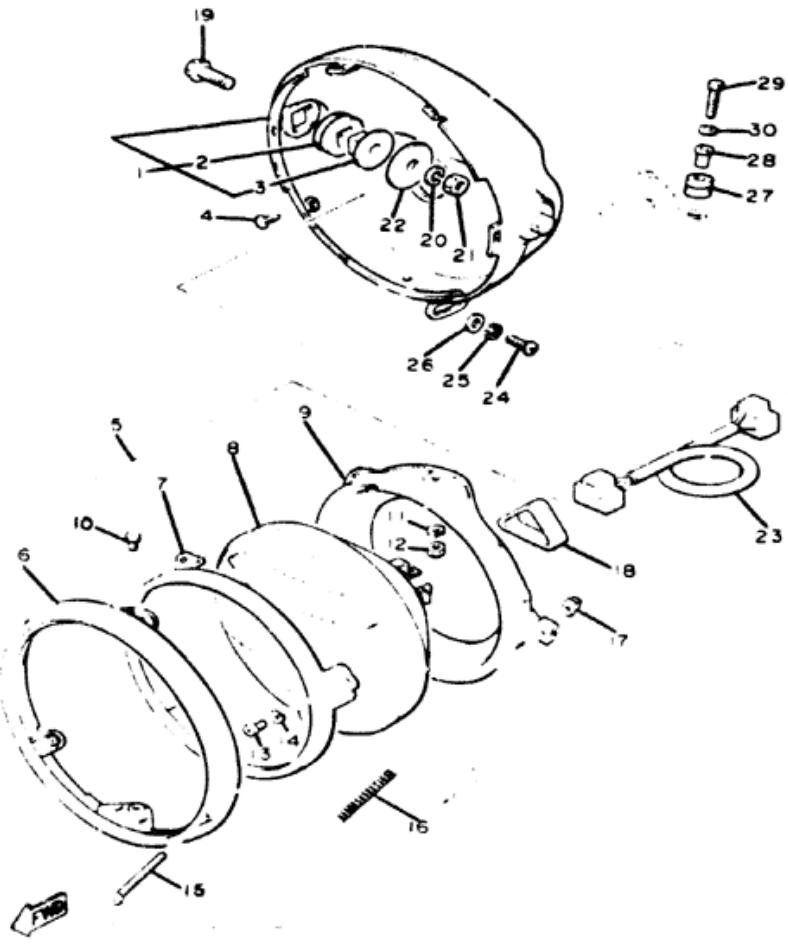
12V50-40W 12V27-8W 12V27W

# SPEEDOMETER • TACHOMETER



Ref. No.	Part Number	Description	Qty.
1	4H7-83519-00-00	BRACKET, meter.....	1
2	4H7-83545-00-00	BRACKET, tachometer.....	1
3	5N8-83540-00-00	TACHOMETER ASS'Y .....	1
4	5N8-83520-00-00	SOCKET CORD ASS'Y.....	1
5	4G1-84744-00-00	. BULB (12V-3.4W) (4R0-83517-00) .....	1
6	5K5-83570-A0-00	SPEEDOMETER ASS'Y .....	1
7	4U8-83578-00-00	. KNOB, trip meter .....	1
8	5K5-83536-00-00	. SOCKET, meter.....	1
9	4G1-84744-00-00	. BULB (12V-3.4W) (4R0-83517-00) .....	1
10	4H7-83555-A0-00	COVER, meter .....	1
11	4H7-83616-00-00	SCREW, tapping .....	10
12	4H7-83523-00-00	DAMPER .....	4
13	1E8-83524-C -00	WASHER, special .....	4
14	95301-05600-00	NUT.....	4
15	5K5-83509-00-00	SOCKET CORD ASS'Y .....	1
16	4G1-84744-00-00	BULB (12V-3.4W) (4R0-83517-00).....	4
17	4H7-83579-00-00	COVER, meter 2 .....	1
18	4H7-83587-00-00	BODY, pilot light .....	1
19	97306-06045-00	BOLT.....	2
20	584-83541-00-00	DAMPER .....	4
21	92906-06100-00	WASHER, spring .....	2
22	90201-06067-00	WASHER, plate .....	2
23	90387-06249-00	COLLAR .....	2
24	2G2-83550-00-00	SPEEDOMETER CABLE ASS'Y	1
25	90153-06004-00	SCREW, hexagon .....	1
26	92903-06100-00	WASHER, spring (92901-06100)	1

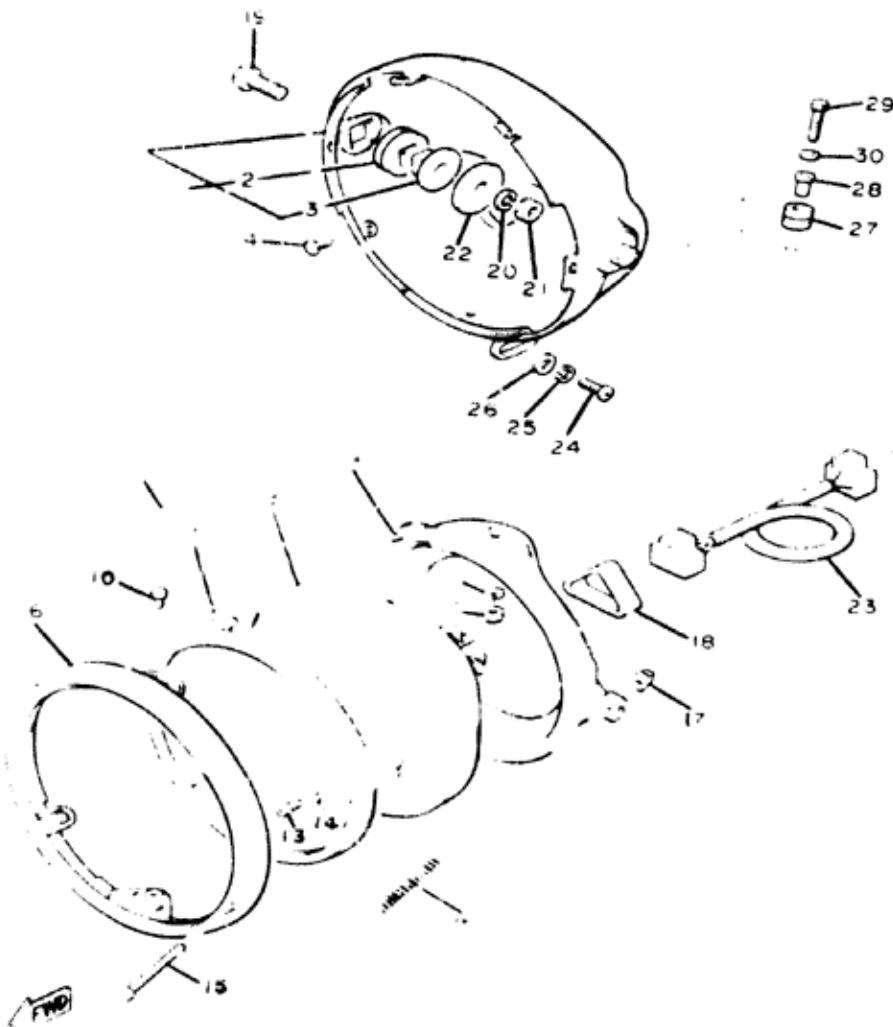
## HEADLIGHT



Ref. No.	Part Number	Description	Qty.	Remarks
1	3J6-84330-00-93	BODY ASS'Y .....	1	Chrome-Plated
2	584-84345-60-00	DAMPER, headlight.....	2	
3	584-84338-60-00	COLLAR, body fitting.....	2	
4	90152-05005-00	SCREW, countersunk.....	2	
5	2J2-84310-60-00	HEADLIGHT UNIT ASS'Y .....	1	
6	341-84315-40-00	RIM, headlight .....	1	
7	2F9-84395-00-00	RING, retaining.....	1	
8	341-84320-60-00	LENS ASS'Y (12V-50/40W) ...	1	
9	2F9-84394-00-00	RING, mounting .....	1	
10	98501-05010-00	SCREW, pan head .....	2	
11	92903-05100-00	WASHER, spring (92901-05100)	2	
12	95301-05600-00	NUT .....	2	
13	98501-04008-00	SCREW, pan head .....	3	
14	92901-04100-00	WASHER, spring.....	3	
15	2F9-84331-00-00	SCREW, rim adjusting.....	1	
16	341-84332-60-00	SPRING, screw .....	1	
17	198-84334-60-00	NUT, adjusting .....	1	
18	341-84397-61-00	COVER, socket.....	1	
19	90105-08174-00	BOLT, washer based.....	2	
20	92903-08100-00	WASHER, spring (92901-08100)	2	

Headlight	Taillight	Signal Rating	12V50-40W	12V27-8W	12V27W
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## HEADLIGHT

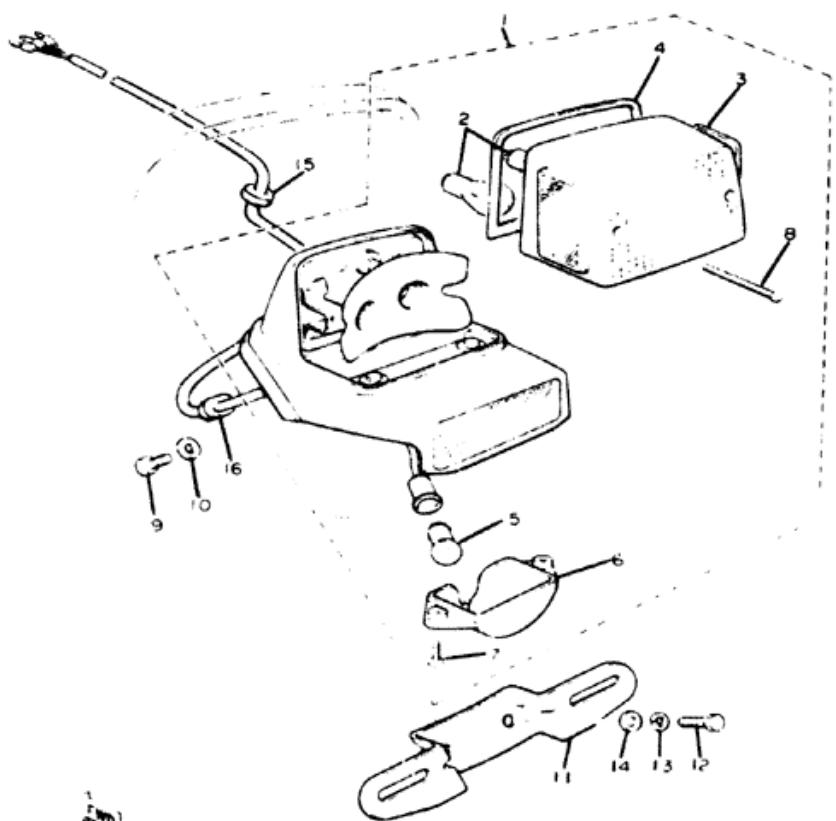


Ref. No.	Part Number	Description	Qty.
21	95301-08600-00	NUT.....	2
22	90209-08098-00	WASHER .....	2
23	2H7-84359-00-00	CORD, headlight .....	1
24	92501-06014-00	SCREW, pan head.....	1
25	92903-06100-00	WASHER, spring (92901-06100)	1
26	90201-06067-00	WASHER, plate.....	1
27	90480-14101-00	GROMMET.....	1
28	90387-06388-00	COLLAR .....	1
29	97301-06025-00	BOLT .....	1
30	92901-06600-00	WASHER, plate.....	1

Headlight Tailight Signal Rating

12V50-40W 12V27-8W 12V27W

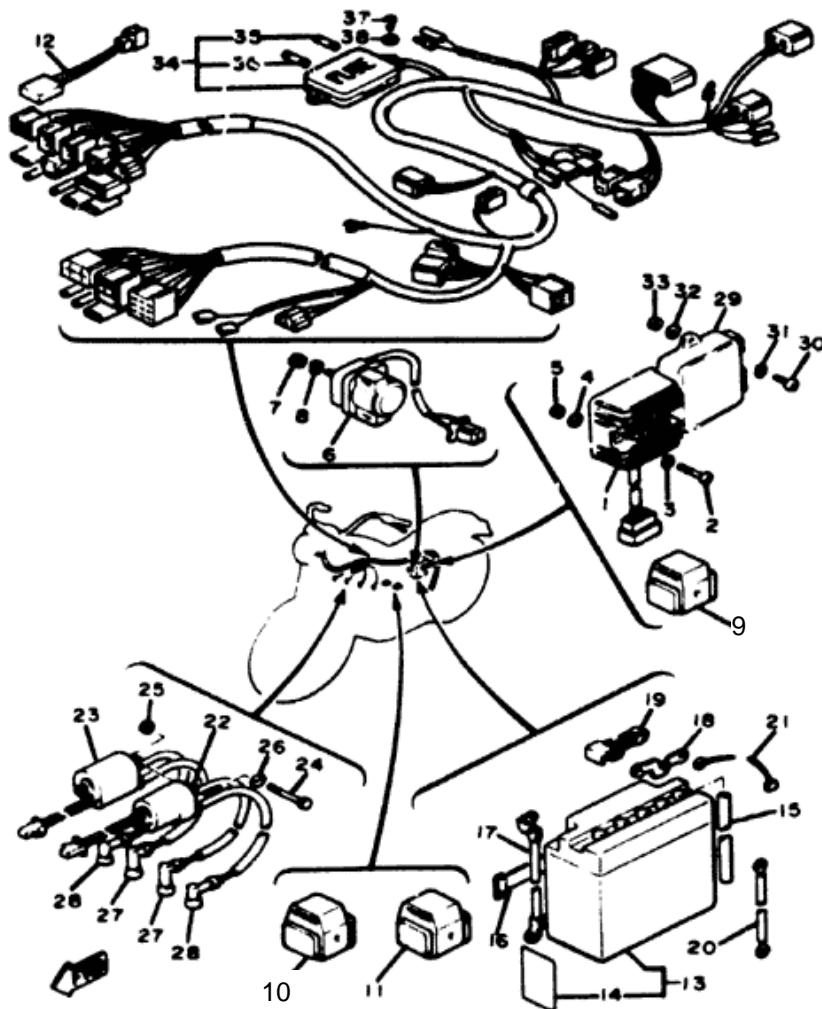
## TAILLIGHT



Ref. No.	Part Number	Description	Qty.	Remarks
1	5K5-84700-60-00	TAILLIGHT ASS'Y.....	1	
2	266-84714-61-00	BULB (12V-27/8W).....	2	
3	5K5-84721-60-00	LENS, taillight.....	1	
4	4H7-84723-00-00	GASKET, tail lens.....	1	
5	4H7-84744-00-00	BULB (12V-8W).....	1	
6	4H7-84743-00-00	LENS, licence light.....	1	
7	98503-04014-00	SCREW, pan head (98503-04015)	2	
8	5K5-84724-00-00	SCREW, lens fitting.....	2	
9	97301-06016-00	BOLT.....	3	
10	92901-06600-00	WASHER, plate.....	3	
11	4H7-84751-01-93	BRACKET, licence.....	1	Chrome-Plated
12	97301-06016-00	BOLT.....	2	
13	92903-06100-00	WASHER, spring (92901-06100)	2	
14	92901-06600-00	WASHER, plate.....	2	
15	90480-16112-00	GROMMET.....	1	
16	90480-15061-00	GROMMET.....	1	

Headlight	Taillight	Signal Rating	12V50-40W	12V27-8W	12V27W

# ELECTRICAL - 1

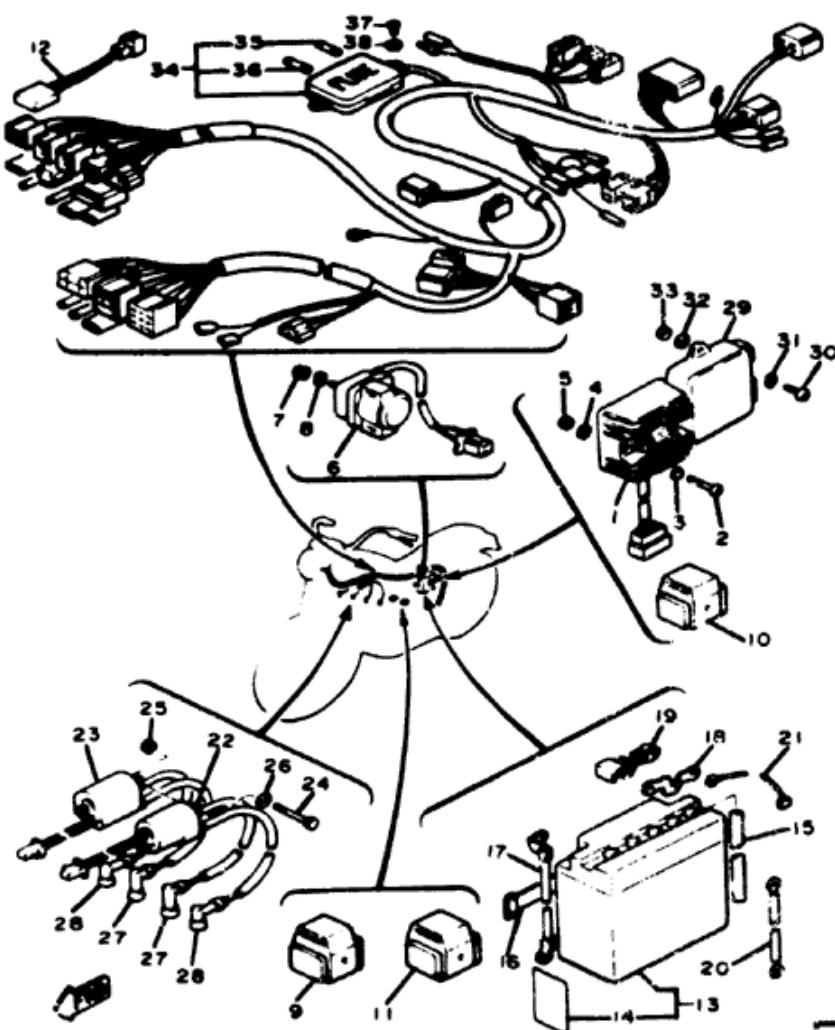


Ref. No.	Part Number	Description	Qty.	Remarks
1	4H7-81960-50-00	RECTIFIER & REGULATOR ASS'Y	1	
2	92501-06030-00	SCREW, pan head (92502-06030)	2	
3	92903-06100-00	WASHER, spring .....	2	
4	92901-06600-00	WASHER (92902-06600) .....	2	
5	95302-06700-00	NUT (95302-06700) .....	2	
6	3H5-81940-00-00	STARTER SWITCH ASS'Y .....	1	
7	95301-06700-00	NUT .....	2	
8	92903-06100-00	WASHER, spring .....	2	
9	3H5-81950-00-00	HEADLIGHT RELAY ASS'Y .....	1	
*10	12R-81950-00-00	STARTER CURC'JIT CUT-OFF RELAY .....	1	
11	4U8-81950-00-00	SIDE STAND RELAY ASS'Y .....	1	
12	4U8-81980-M0-00	DIODE .....	1	
13	366-82110-79-00	BATTERY ASS'Y (366-82110-G4)	1	
14	LIT-82141-09-00	LABEL, battery (118-82141-09)	1	
15	90445-08336-00	HOSE .....	1	
16	137-82131-01-00	BAND, battery .....	1	
17	4H7-82116-00-00	WIRE, minus lead .....	1	
18	4H7-82103-00-00	TERMINAL 1 .....	1	
19	4H7-82119-00-00	COVER, lead wire .....	1	
20	4H7-82519-00-00	WIRE, earth lead .....	1	
21	4H7-82115-00-00	WIRE, plus lead .....	1	

\*Indicates new part numbers activated from March, 1982.

Battery: Model / Specific Gravity / Charge Rate	12N12A-4A-1 (12V12AH) / 1.28 / 1.2A
Maximum Output	14V19A @ 5000 rpm
Ignition Coil Test Gap : Primary @ / Secondary @	6mm / 2.50 ± 10% / 11KΩ ± 20%
Pulser Coil or Pickup Coil Color Code / @	Org ~ Blk, Gry ~ Blk / 7000 ± 20%
Source Coil Color Code / @	@
<b>LIGHTING SYSTEM</b>	
Headlight / Taillight / Signal Rating	12V50-40W / 12V27-8W / 12V27W

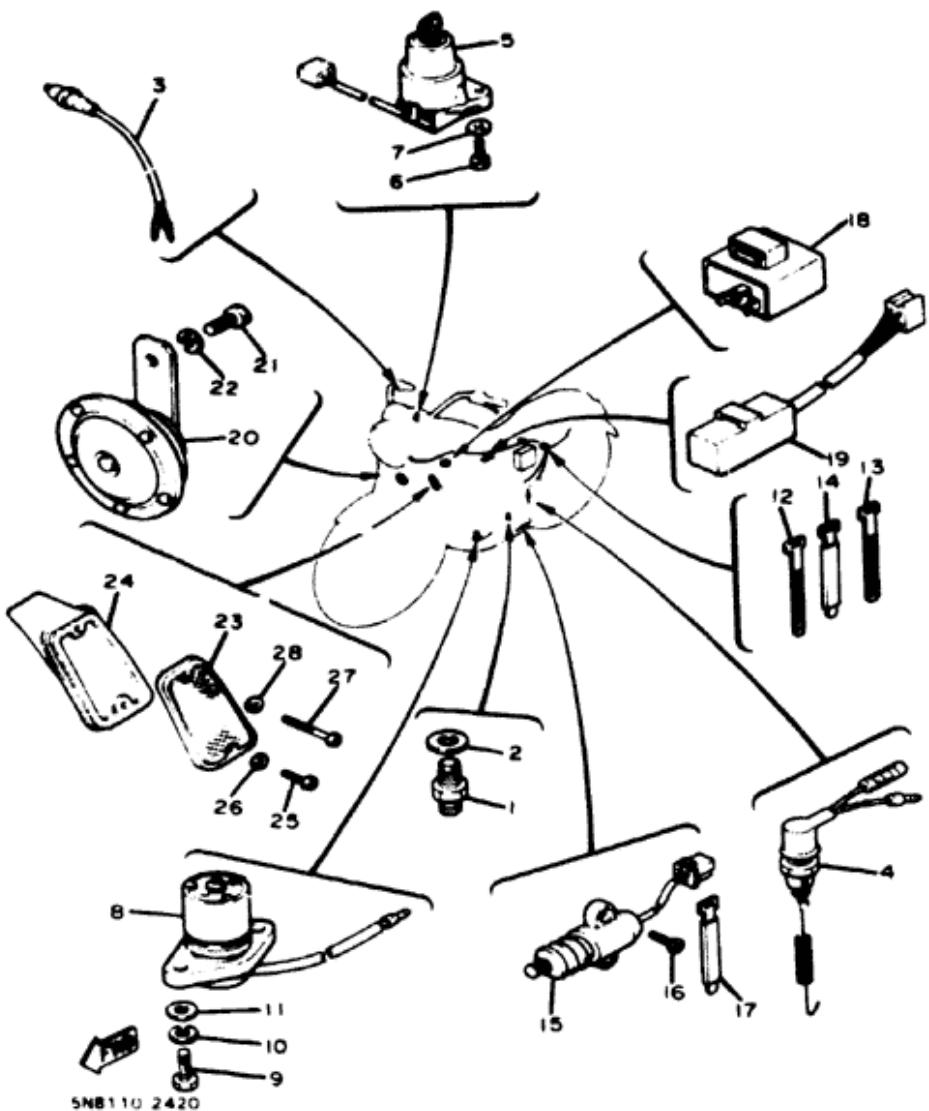
# ELECTRICAL - 1



Ref. No.	Part Number	Description	Qty.	Remarks
22	4H7-82310-60-00	IGNITION COIL ASS'Y.....	1	
23	4H7-82320-60-0C	IGNITION COIL ASS'Y.....	1	
24	97301-06080-00	BOLT.....	2	
25	95302-06600-00	NUT.....	2	
26	92903-06200-00	WASHER, plain .....	2	
27	1J7-82370-00-00	PLUG CAP ASS'Y .....	2	
28	256-82370-00-00	PLUG CAP ASS'Y .....	2	
29	5G2-82305-10-00	IGNITOR UNIT ASS'Y .....	1	
30	92502-06016-00	SCREW, pan head.....	2	
31	92903-06100-00	WASHER, spring.....	2	
32	92901-06600-00	WASHER (92902-06600).....	2	
33	95301-06700-00	NUT (95302-06700) .....	2	
34	5N8-82590-50-00	WIRE HARNESS ASS'Y .....	1	
35	1A0-82151-00-00	FUSE (12V-10A).....	3	
36	1A0-82161-00-00	FUSE (12V-20A).....	1	
37	97701-50516-00	SCREW, panhead tapping .....	2	
38	92901-05600-00	WASHER, plate .....	2	

Battery: Model / Specific Gravity / Charge Rate	12N12A-4A-1 (12V12AH) / 1.28 / 1.2A
Maximum Output	16V19A @ 8000 rpm
Ignition Coil Test Gap / Primary 3 . Secondary 0	6mm / 2.80 ± 10% / 11KΩ ± 20%
Pulse Coil or Pickup Coil Color Code / 0	Org ~ Blk, Gry ~ Blk / 7000 ± 20%
Source Coil Color Code / 0	0
 <b>LIGHTING SYSTEMS</b>	
Headlight / Taillight / Signal Rating	12V80-40W / 12V27-5W / 12V27W

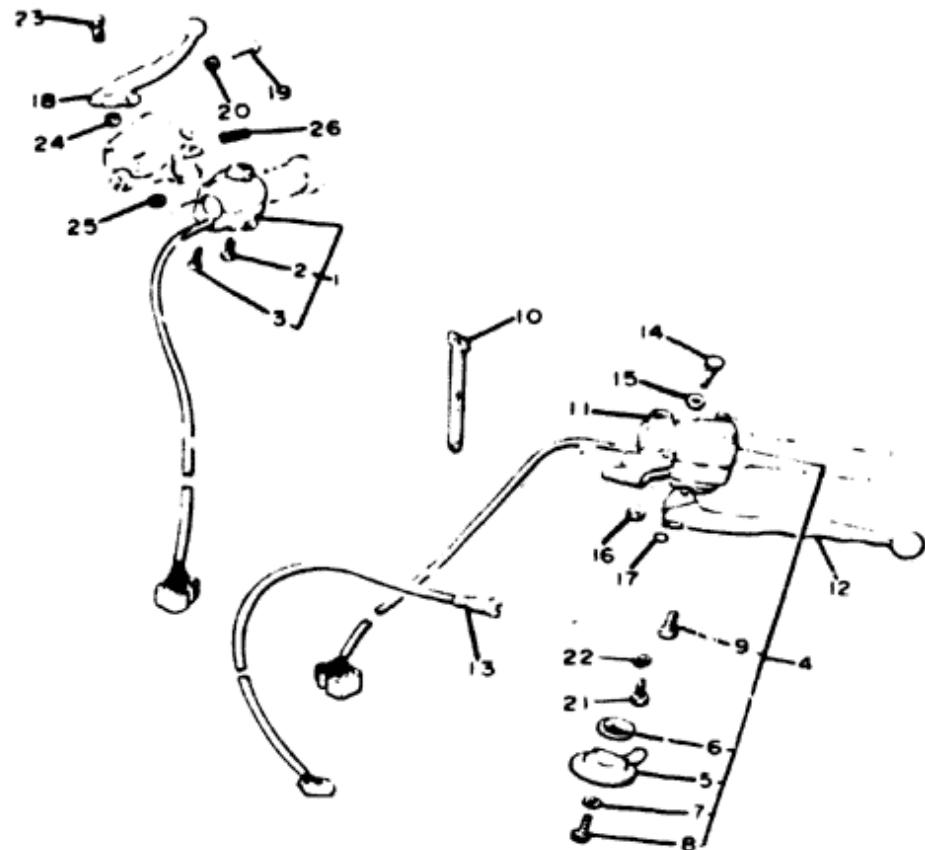
## ELECTRICAL - 2



SNB110 2420

Ref. No.	Part Number	Description	Qty.
1	2H7-82540-00-00	NEUTRAL SWITCH ASS'Y.....	1
2	90430-10148-00	GASKET .....	1
3	1A0-83980-30-00	FRONT STOP SWTICH ASS'Y...	1
4	1E9-82530-00-00	STOP SWITCH ASS'Y .....	1
5	4H7-82508-50-00	MAIN SWITCH ASS'Y .....	1
6	97321-08016-00	BOLT .....	2
7	92901-06600-00	WASHER (92902-06600).....	2
8	4H7-85720-00-00	OIL LEVEL GAUGE ASS'Y .....	1
9	97321-06020-00	BOLT .....	2
10	92903-06100-00	WASHER, spring.....	2
11	92901-06600-00	WASHER, plate.....	2
12	437-83936-10-00	BAND, switch cord.....	2
13	447-82591-00-00	BAND .....	1
14	341-26397-01-00	BAND .....	1
15	5H0-82566-00-00	SWICH, side stand .....	1
16	98706-05016-00	SCREW, flat head .....	2
17	341-26397-01-00	BAND .....	1
18	4H7-83350-70-00	FLASHER RELAY ASS'Y.....	1
19	1A0-83395-03-00	FLASHER CANCELLING UNIT	1
20	1J7-83371-22-00	HORN .....	1
21	97301-08014-00	BOLT .....	1
22	92903-08100-00	WASHER, spring.....	1
23	3G1-85110-00-00	FRONT REFLECTOR ASS'Y.....	2
24	4H7-85127-01-00	BASE, reflector .....	2
25	98501-04018-00	SCREW, pan head.....	2
26	92901-04600-00	WASHER, plate .....	2
27	849-84724-00-00	SCREW, lens fitting .....	2
28	92901-04600-00	WASHER, plate .....	2

# HANDLE SWITCH - LEVER

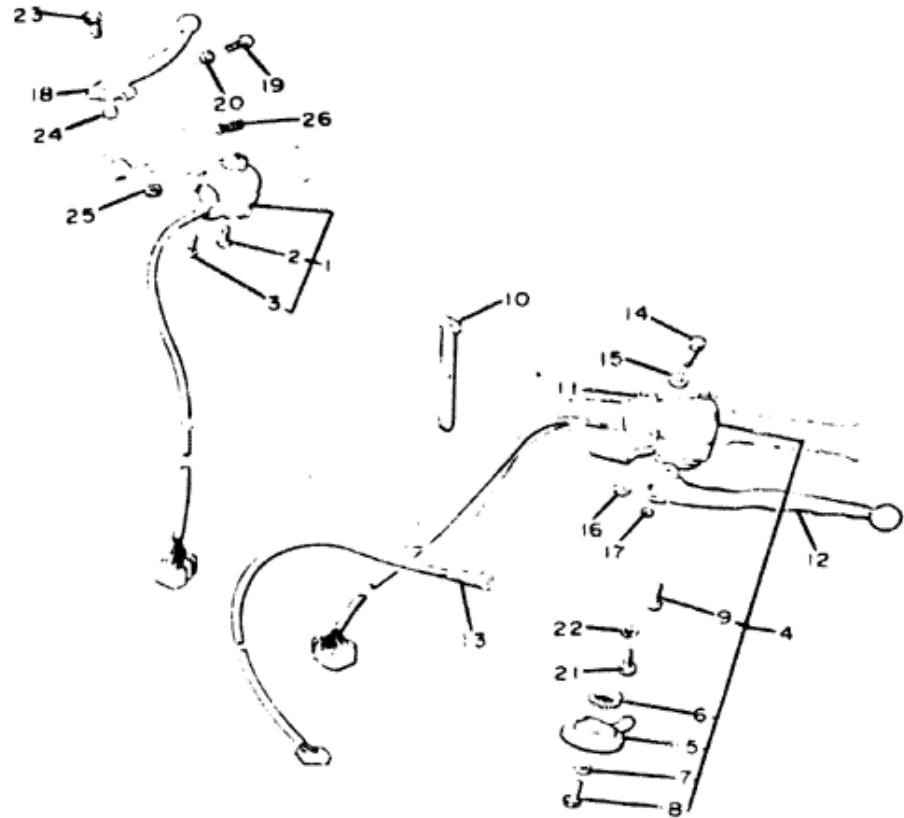


Ref. No.	Part Number	Description	Qty.
1	2H7-83975-01-00	SWITCH, handle 2.....	1
2	98506-05030-00	. SCREW, pan head .....	1
3	98506-05040-00	. SCREW, pan head .....	1
4	4H7-83973-00-00	SWITCH, handle 3.....	1
5	4H7-83941-00-00	. LEVER, starter .....	1
6	90209-10131-00	. WASHER.....	1
7	92903-06200-00	. WASHER, plain.....	1
8	97323-06008-00	. BOLT .....	1
9	98506-05030-00	. SCREW, pan head .....	2
10	437-83936-00-00	BAND, switch cord .....	4
11	4H7-82911-00-00	HOLDER, lever 1 .....	1
12	2H0-83912-20-00	LEVER 1 .....	1
13	3Y6-82917-00-00	SWITCH .....	1
14	2H7-83945-00-00	BOLT, lever.....	1
15	90201-08083-00	WASHER, plate .....	1
16	95601-06100-00	NUT, u .....	1
17	93210-11368-00	O-RING.....	1
18	2H7-83922-00-00	LEVER 2 .....	1
19	90149-06131-00	SCREW.....	1
20	90170-06010-00	NUT.....	1
21	97306-06022-00	BOLT .....	1
22	92906-06100-00	WASHER, spring .....	1
23	90109-06465-00	BOLT .....	1
24	90386-08094-00	BUSH .....	1
25	95601-06100-00	NUT, u .....	1
26	90501-10510-00	SPRING, compression .....	1



4H7110-1440

## HANDLE SWITCH · LEVER



FYB  
4H7110 1440

Ref. No.	Part Number	Description	Qty.
1	2H7-83975-01-00	SWITCH, handle 2 .....	1
2	98506-05030-00	. SCREW, pan head .....	1
3	98506-05040-00	. SCREW, pan head .....	1
4	4H7-83973-00-00	SWITCH, handle 3 .....	1
5	4H7-83941-00-00	. LEVER, starter .....	1
6	90209-10131-00	. WASHER .....	1
7	92903-06200-00	. WASHER, plain (92901-06200) .....	1
8	97323-06008-00	. BOLT .....	1
9	98506-05030-00	. SCREW, pan head .....	2
10	437-83936-00-00	BAND, switch cord .....	4
11	4H7-82911-00-00	HOLDER, lever 1 .....	1
12	2H0-83912-20-00	LEVER 1 (2H7-83912-00) .....	1
13	3Y6-82917-00-00	SWITCH .....	1
14	2H7-83945-00-00	BOLT, lever .....	1
15	90201-08083-00	WASHER, plate .....	1
16	95601-06100-00	NUT, u .....	1
17	93210-11368-00	O-RING .....	1
18	2H7-83922-00-00	LEVER 2 .....	1
19	90149-06131-00	SCREW .....	1
20	90170-06010-00	NUT .....	1
21	97306-06022-00	BOLT .....	1
22	92906-06100-00	WASHER, spring .....	1
23	90109-06465-00	BOLT .....	1
24	90386-08094-00	BUSH .....	1
25	95601-06100-00	NUT, u .....	1
26	90501-10510-00	SPRING, compression .....	1

# SERVICE DATA

FILE MOTORCYCLE - 650 SECTION

DATE 10/2/81

BUL M81-033

## XJ650J 1982 SERVICE DATA

MODEL - IBM I.D. NUMBER	XJ650J-8	XJ650J-R	5N8
Initial Engine Number / Frame Number	5N8-000101 / 5N8-000101		
Basic Color(s)	Black Blue (B) Star Red (R)		
Fuel Type / Fuel Tank Capacity / Reserve Capacity	Regular / 13 Lit. / 3.4 Lit.		
Dry Vehicle Weight	203 kg		
<b>ENGINE TYPE</b>	4-Stroke, Air-Cooled, DOHC, Parallel Four		
Bore/Stroke/Number Cylinders/Displacement (cc)	63mm / 52.4mm / 4 / 653cc		
Compression Ratio/Compression Pressure Min~Max	9.2:1 / 11 kg/cm <sup>2</sup>		
Piston Skirt Clearance New / Max	0.030 ~ 0.050mm / 0.1mm		
Ring End Gap Top / 2nd / 3rd	0.15 ~ 0.36mm / 0.15 ~ 0.35mm / 0.3 ~ 0.9mm		
Valve Clearance (Cold) Intake / Exhaust	0.11mm ~ 0.15mm / 0.16mm ~ 0.20mm		
Oil Pressure Hot / rpm	NA		
Oiling System	Wet Sump		
Capacity: Dry	3500cc		
Oil and Filter Change	2650cc		
Oil Change	2350cc		
Lubricant: Temp. Above 5°C (40°F)	Yamalube 4* or SAE 20W40 SE		
Temp. Below 15°C (60°F)	SAE 10W30 SE		
<b>AUTOLUBE - Min Stroke / Color Code</b>	Ø		
Minimum Output @ 200 Cycles	Ø		
Maximum Output @ 200 Cycles	Ø		
<b>CARBURETOR - Mfr. / Type / I.D. Number</b>	Hitachi / HSC32 / 5N8-00		
Main Jet / Pilot Jet	110 / 40		
Needle Jet / Jet Needle-Clip Position	3.2 / Y-1O Fixed		
Slide Cutaway or Throttle Valve	130		
Float Level / Fuel Level	NA / 2 ~ 4mm		
Idle rpm	1050 rpm		
Max CO* / Max HC* / Set CO	5.0% / 800 ppm / 3.0% (All Settings @ Idle)		
<b>SUSPENSION</b>			
Front Forks: Oil Type / Level / Qty	10 Wt. Fork Oll* / Ø / 262cc		
Gas Pressure	Ø		
Spring Length Std	606mm		
Monoshock: Oil Type / Qty	Ø		
Gas Pressure	Ø		
Minimum Brake Lining Thickness	Front: 1.2mm Rear: 2.0mm		
Tire Size (Nominal Pressure)	F:3.25H19 (1.8 kg/cm <sup>2</sup> ) R:130/90-16 67H (2.0 kg/cm <sup>2</sup> )		
<b>TRANSMISSION - Oil Type/Qty Chg/Qty Reassemble</b>	See ENGINE Above		
Primary Drive Type / Teeth / Ratio	Spur Gears / 97-58 / 1.672		
Secondary Drive Type / Teeth / Chain	Shaft Drive / 49-36 x 19-18 x 32-11 / Ø		
Clutch Friction Plate Thickness Std ~ Min	3.0 ~ 2.8mm		
Clutch Spring Length Std ~ Min	40.1 ~ 39.1mm		
Middle Gear Case Capacity	Ø		
Final Gear Case Capacity	200cc		
Gear Case Lubricant: Temp. Above 5°C (40°F)	SAE 80 API Hypoid Gear Oll GL-4		
Temp. Below 15°C (60°F)	SAE 80 API Hypoid Gear Oll GL-4		
All Weather Conditions	SAE 80 API Hypoid Gear Oll GL-4		

FILE MOTORCYCLE - 650 SECTION

DATE 10/2/81

BUL M81-033

<b>CHARGING SYSTEM</b>	AC Generator / 3-Phase / Full Wave
Battery: Model / Specific Gravity / Charge Rate	Yuasa 12N12A-4A-1 (12V 12AH) / 1.28 / 1.2A
Maximum Output	14V 19A @ 5000 rpm
<b>TROUBLESHOOTING</b>	Rotor: Grn~Brn/4.0Ω ± 10% Stator: Wht~Wht/0.46Ω ± 10%
Field Coil Color Code / Ω	Ø
Charge Coil Color Code / Ω	Ø
<b>IGNITION SYSTEM</b>	Transistor-Controlled Ignition
Ignition Timing	7° Mark
Std: 7° @ 1050 rpm Adv: 37.5 ± 2° @ 4100 rpm	
Spark Plug Type	NGK BP7ES or Nippon Denso W22EP
Spark Plug Gap / Torque / Cap Ω	0.7~0.8mm/2.0 m-kg/Cyl. 1&4 5K Ω / Cyl. 2&3 10K Ω
Point Gap / Condenser Capacitance	Ø / Ø
<b>TROUBLESHOOTING</b>	
Ignition Coil Test Gap / Primary Ω / Secondary Ω	6mm / 2.5 Ω ± 10% / 11K Ω ± 20%
Pulser Coil or Pickup Coil Color Code / Ω	Org ~ Blk, Gry ~ Brn / 700 Ω ± 20%
Source Coil Color Code / Ω	Ø
<b>LIGHTING SYSTEM</b>	
Headlight / Taillight / Signal Rating	12V50-40W / 12V27-8W / 12V27W
<b>TROUBLESHOOTING</b>	
Lighting Coll Color Code / Ω	Ø
<b>TORQUE VALUES</b>	
Front Axle Nut	14 x 1.5: 10.7 m-kg
Front Axle Holder Nut	8 x 1.25: 2.0 m-kg
Rear Axle Nut	14 x 1.5: 10.7 m-kg
Rear Axle Pinch Bolt	8 x 1.25: 0.6 m-kg
Clutch Nut	20 x 1.0: 7.2 m-kg
Drain Plug	14 x 1.5: 4.3 m-kg
Cylinder Head Cover	6 x 1.0: 1.0 m-kg
Cylinder Head:	10 x 1.25: 3.2 m-kg Apply Oil
Engine Mounting Bolts: Front, Upper	10 x 1.25: 4.2 m-kg
Front, Lower	10 x 1.25: 4.2 m-kg
Rear	12 x 1.25: 7.0 m-kg

Ø=Does Not Apply To This Model

NA=Information Not Available

\*Available From Yamaha Parts Distributors Inc.

•For Diagnostic Use Only

### SERVICE LITERATURE

PUBLICATION	PART NUMBER	REMARKS
Owner's Manual	LIT-11626-02-87	
Service Manual	LIT-11616-02-87	
Assembly Manual	LIT-11666-01-94	Supp. to XJ650G (01-94)
Consumer Information	LIT-11656-02-87	Same as XJ650G

# SERVICE DATA

FILE MOTORCYCLE - 650 SECTION

DATE 11/5/82 BUL M82-044

## XJ650K 1983 SERVICE DATA

MODEL / MM L.D. NUMBER	XJ650K	SN8
Initial Engine Number / Frame Number	5N8-050101 / JYA5N800( )DA050101	
Fuel Type/Total Fuel Tank Capacity/Reserve Cap.	Regular / 13 Lit. / 3.4 Lit.	
Bore/Stroke/Number Cylinders/Displacement	4-Stroke, DOHC, Parallel Four	
Bore/Stroke/Number Cylinders/Displacement	63mm / 52.4mm / 4 / 653cc	
Compression Ratio/Compression Pressure Min~Max	9.2:1 / NA	
Piston Skirt Clearance New / Max	0.030 ~ 0.050mm / 0.10mm	
Ring End Gap Top / 2nd / 3rd	0.15 ~ 0.35mm / 0.15 ~ 0.35mm / 0.3 ~ 0.9mm	
Valve Clearance (Cold) Intake / Exhaust	0.11 ~ 0.15mm / 0.16 ~ 0.20mm	
Oiling System	Wet Sump	
Capacity: Dry	3500cc	
Oil and Filter Change	2650cc	
Oil Change Only	2350cc	
Lubricant: Temp. Above 5°C (40°F)	Yamatube 4° or SAE 20W40 SE or SF	
Temp. Below 15°C (60°F)	SAE 10W30 SE or SF	
Cooling System / Capacity	Air / Ø	
Coolant Type / Mixing Ratio	Ø / Ø	
ALTERNATOR: Manufacturer / Model / ID Number	Ø	
Minimum Output @ 200 Cycles	Ø	
Maximum Output @ 200 Cycles	Ø	
CHIMMITSU: Manufacturer / Model / ID Number	Hitachi / HSC32 / SN8-00	
Main Jet / Pilot Jet	110 / 40	
Needle Jet / Jet Needle-Clip Position	3.2 / Y-10 Fixed	
Slide Cutaway	Ø	
Float Level / Fuel Level	NA / 3 ± 1mm	
Idle rpm	1050 rpm	
Max CO* / Max HC* / Set CO (Using YICS Tool)	5% / 800 ppm / 3% (All Settings @ Idle)	
FRONT SUSPENSION: Front Forks / Oil Type / Level / Qty	Ø	
Oil Type / Level / Qty	10 Wt. Fork Oil* / Ø / 262cc	
Gas Pressure Min ~ Max / Standard	Ø	
Spring Length Std	606mm	
Rear: Gas Pressure Min ~ Max / Standard	Ø	
Minimum Brake Lining Thickness Front / Rear	1.2mm / 2.0mm	
Tire Size (Nominal Pressure) Front / Rear	3.25H19 (1.8 kg/cm²) / 130/90H16 (2.0 kg/cm²)	
TRANSMISSION: Oil Type / Oil Capacity / Lubricant	See ENGINE Above	
Secondary Drive Type / Teeth / Chain	Shaft / 49-36 x 19-18 x 32-11 / Ø	
Middle Gear Case Capacity	Ø	
Final Gear Case Capacity	200cc	
Gear Case Lubricant	SAE 80W90 Hypoid Gear Oil GL-4	

FILE MOTORCYCLE - 650 SECTION

DATE 11/5/82 BUL M82-044

CHARGING SYSTEM	AC Generator / 3-Phase / Full Wave
Battery: Model / Specific Gravity / Charge Rate	12N12A-4A-1 (12V12AH) / 1.28 / 1.2A
Maximum Output	14V19A @ 5000 rpm
Field Coil Color Code / Ø	Grn ~ Brn / 4.00 ± 10%
Stator Coil Color Code / Ø	Wht ~ Wht / 0.460 ± 10%
Charge Coil Color Code / Ø	Ø
IGNITION SYSTEM	Transistor Controlled Ignition
Ignition Timing	7° @ 1050 rpm Full Adv: 37.5 ± 2° @ 4100 rpm
Spark Plug Type	NGK BP7ES or ND W22EP-U
Spark Plug Gap / Torque / Cap Ø	0.7 ~ 0.8mm / 2.0 m-kg / 1&4: 5KΩ 2&3: 10KΩ
Point Gap / Condenser Capacitance	Ø
Ignition Coil Test Gap / Primary Ø / Secondary Ø	6mm / 2.5Ω ± 10% / 11KΩ ± 20%
Pulser Coil or Pickup Coil Color Code / Ø	Org ~ Blk, Gry ~ Blk / 700Ω ± 20%
Source Coil Color Code / Ø	Ø
LIGHTING SYSTEM	
Headlight / Taillight / Signal Rating	12V50-40W / 12V27-8W / 12V27W
Lighting Coil Color Code / Ø	Ø
TORQUE VALUES	
Front Axle Nut	M14: 10.7 m-kg
Front Axle Holder Nut	M8: 2.0 m-kg
Rear Axle Nut	M14: 10.7 m-kg
Rear Axle Pinch Bolt	M8: 0.6 m-kg
Clutch Nut	M20: 7.2 m-kg
Drain Plug	M14: 4.3 m-kg
Flywheel Nut	Ø
Cylinder Head Cover	M6: 1.0 m-kg
Cylinder Head:	M10: 3.2 m-kg
Engine Mounting Bolts: Front Upper	M10: 4.2 m-kg
Front Lower	M10: 4.2 m-kg
Rear	M12: 7.0 m-kg

Ø=Does Not Apply To This Model  
NA=Information Not Available

\* Available From Yamaha Parts Distributors Inc.  
\*For Diagnostic Use Only

### SERVICE LITERATURE

PUBLICATION	PART NUMBER	REMARKS
Owner's Manual	LIT-11626-03-42	
Service Manual	LIT-11616-XJ-60	
Assembly Manual	LIT-11666-03-42	Same as XJ650J Supp. to XS / XJ / XV / XZ / RD Basic Assembly Manual (03-85)
Consumer Information	LIT-11656-03-42	