



# **YAMAHA**

## **PARTS CATALOGUE\***

### **XJ900RK (35H)**

### **MODEL YEAR 1983**

**Initial Serial No. and Color Code**

A Frame Serial No.	35H-000101 and following
B Engine Serial No.	35H-000101 and following

MODEL - IBM I.D. NUMBER	XJ900RK	35H
Initial Engine Number / Frame Number	35H-000101 / JYA35H001	JDA000101
Fuel Type/Total Fuel Tank Capacity/Reserve Cap.	Regular / 22.0 Lit. / 5.0 Lit.	
<b>ENGINE TYPE</b>		4-Stroke, DOHC, Parallel Four
Bore/Stroke/Number Cylinders/Displacement		67.0mm / 60.5mm / 4 / 853cc
Compression Ratio/Compression Pressure Min~Max		9.6:1 / 8.0 ~ 12.0 kg/cm <sup>2</sup>

PUBLICATION	PART NUMBER	REMARKS
OWNER'S MANUAL	LIT-11626-03-46	
SERVICE MANUAL	LIT-11616-03-46	COMPLETE
ASSEMBLY MANUAL	LIT-11666-03-46	SUPPLEMENT TO B.A.M. (03-85)
CONSUMER MANUAL	LIT-11656-03-46	
LEAFLET	LIT-11119-02-67	

## **CONTENTS**

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- CARBURETOR
- CHAIN
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- CYLINDER HEAD
- DRIVESHAFT
- ELECTRICAL 1
- ELECTRICAL 2
- EXHAUST
- FAIRING
- FOOTREST
- FRAME
- FRONT BRAKE CALIPER
- FENDER
- FRONT FORK
- FRONT MASTER CYL.
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- FUEL TANK
- GENERATOR
- GOVERNOR
- HANDLEBAR
- HANDLE SWITCH
- HEADLIGHT
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- METER
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- REAR WHEEL
- SEAT
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- SHIFT CAM
- SHIFT FORK
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- STARTER CLUTCH
- STARTING MOTOR
- STEERING
- SWING ARM
- TAILLIGHT
- TECHNICAL BULLETINS
- TRANSMISSION
- TURN SIGNAL
- VALVE

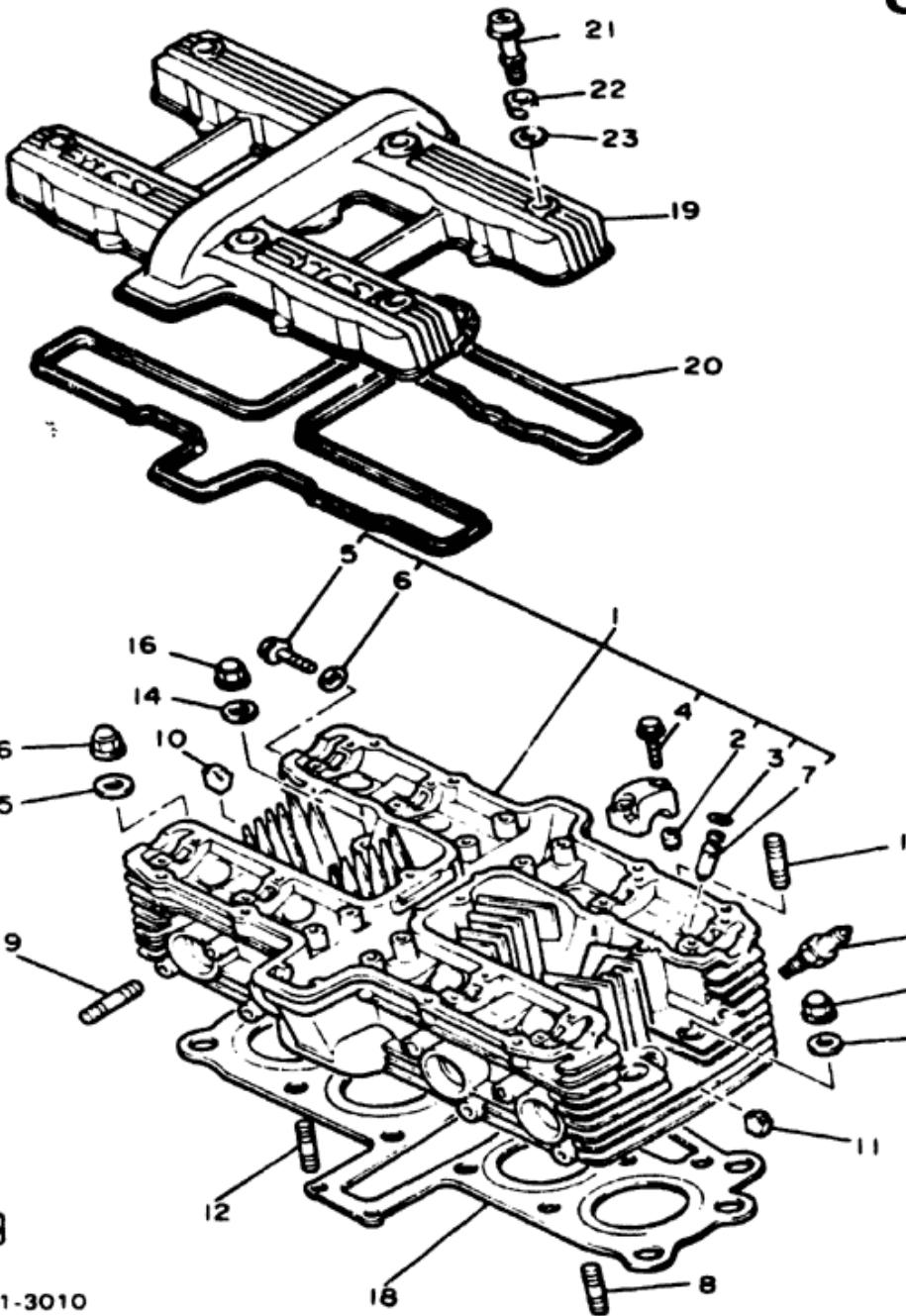


# YAMAHA

## PARTS CATALOGUE

### XJ900RL (47L)

24-17L-000E1



## CYLINDER HEAD

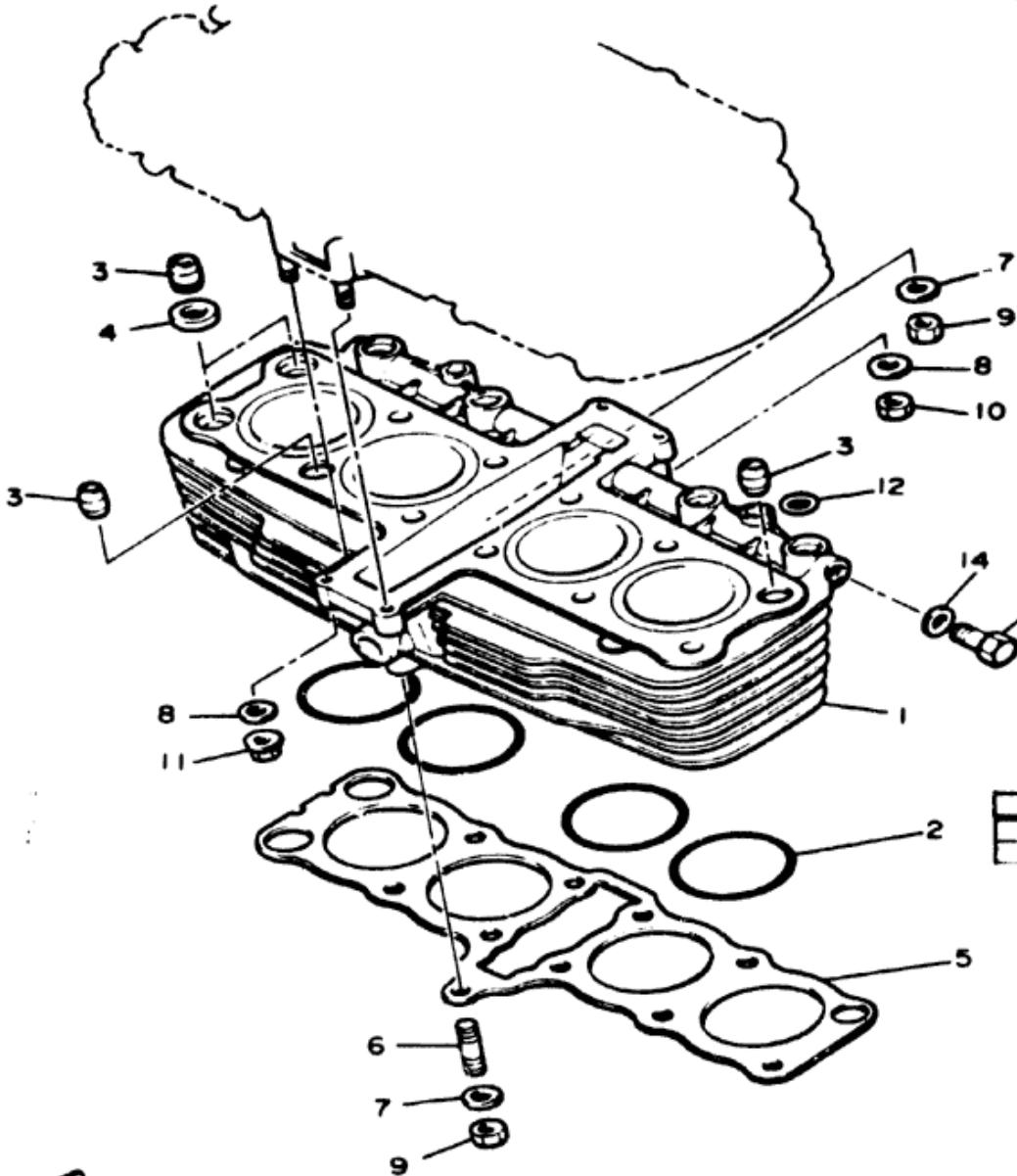
Kef. No.	Part Number	Description	Qty	Remarks
1	35H-11101-01-00	CYLINDER HEAD ASS'Y (35H-11101-00)	1	
2	98510-08016-00	PIN, dowel (91810-18016)	16	
3	93440-12062-00	CIRCLIP	8	
4	90105-08153-00	BOLT, washer based	24	
5	90153-08048-00	SCREW, hexagon	1	
6	90430-08014-00	GASKET	1	
7	4H7-11133-10-00	GUIDE, intake valve (1st O/S)	8	Alternate Part
8	95611-08628-00	BOLT, stud	2	
9	95611-08630-00	BOLT, stud	8	
10	434-11161-00-00	ABSORBER 1	8	
11	4H7-11161-00-00	ABSORBER 1	14	
12	95611-08630-00	BOLT, stud	2	
13	95621-08330-00	BOLT, stud	2	
14	90201-114G2-00	WASHER, plate	10	
15	90201-10128-00	WASHER, plate	2	
16	90176-10033-00	NUT, crown	12	
17	NGK-BPR7E-90-00	PLUG, spark	4	
18	31A-11181-00-00	GASKET, cylinder head 1	1	
19	35H-11191-00-00	COVER, cylinder head 1	1	
20	31A-11193-00-00	GASKET, head cover 1	1	
21	90109-08746-00	BOLT	8	
22	90480-12446-00	GROMMET (90480-12365)	8	
23	90209-11262-00	WASHER (90209-11237)	8	

Spark Plug Type	NGK BPR8ES or HD W24EP-U
Spark Plug Gap / Torque / Cap S	0.7 ~ 0.8mm / 2.0 m-kg / SKD
Cylinder Head Cover	M6: 1.0 m-kg
Cylinder Head	M10: 3.2 m-kg

FWD

31E171-3010

# CYLINDER

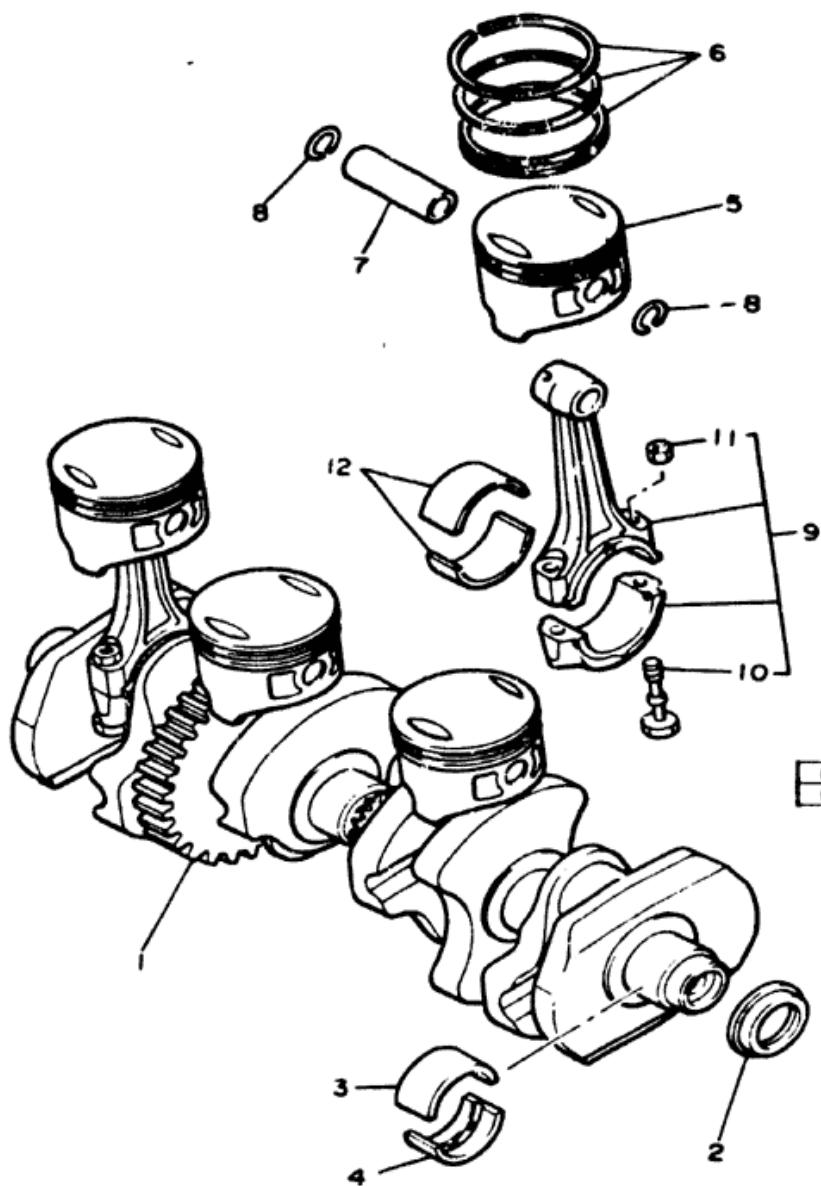


Ref. No.	Part Number	Description	Qty	Remarks
1	31A-11310-00-00	CYLINDER .....	1	
2	93210-71462-00	O-RING (93210-72300)	4	
3	99530-14016-00	PIN, dowel (S1830-24016)	4	
4	90430-14131-00	GASKET.....	2	
5	31A-11351-00-00	GASKET, cylinder.....	1	
6	95621-08335-00	BOLT, stud .....	1	
7	90201-084G3-00	WASHER, plate .....	3	
8	90201-061A5-00	WASHER, plate (92901-08600)	4	
9	95316-08600-00	NUT.....	3	
10	95316-08600-00	NUT.....	2	
11	90179-08409-00	NUT.....	2	
12	93210-09443-00	O-RING .....	4	
13	90340-12065-00	PLUG, straight screw...	2	
14	90201-12790-00	WASHER, plate .....	2	

Initial Engine Number / Frame Number	3B4-000101 / JVA3B4001 / JD4000101
Bore/Stroke: Number Cylinders/Displacement	67.0mm / 60.5mm / 4 / 853cc
Compression Ratio/Compression Pressure Min. Max	9.6 : 1 / 8.0 ~ 12.0 kg/cm <sup>2</sup>

31E171-3020

# CRANKSHAFT - PISTON



Ref. No.	Part Number	Description	Qty	Remarks
1	31A-11411-00-00	CRANKSHAFT .....	1	
2	4H7-15369-10-00	OIL SEAL (93101-32088)	1	
3	4H7-11416-01-00	PLANE BEARING, crankshaft 1 .....	5	U.R. Blue
	4H7-11416-11-00	PLANE BEARING, crankshaft 1 .....	5	U.R. Black
	4H7-11416-21-00	PLANE BEARING, crankshaft 1 .....	5	U.R. Brown
	4H7-11416-31-00	PLANE BEARING, crankshaft 1 .....	5	U.R. Green
	4H7-11416-41-00	PLANE BEARING, crankshaft 1 .....	5	U.R. Yellow
4	5G2-11418-00-00	PLANE BEARING crankshaft 3 .....	5	U.R. Blue
	5G2-11418-10-00	PLANE BEARING, crankshaft 3 .....	5	U.R. Black
	5G2-11418-20-00	PLANE BEARING, crankshaft 3 .....	5	U.R. Brown
	5G2-11418-30-00	PLANE BEARING, crankshaft 3 .....	5	U.R. Green
	5G2-11418-40-00	PLANE BEARING, crankshaft 3 .....	5	U.R. Yellow

Piston Skirt Clearance New / Max	0.030 ~ 0.080mm / 0.40mm
Ring End Gap Top / 2nd / 3rd	0.15 ~ 0.35mm / 0.15 ~ 0.35mm / 0.30 ~ 0.90mm

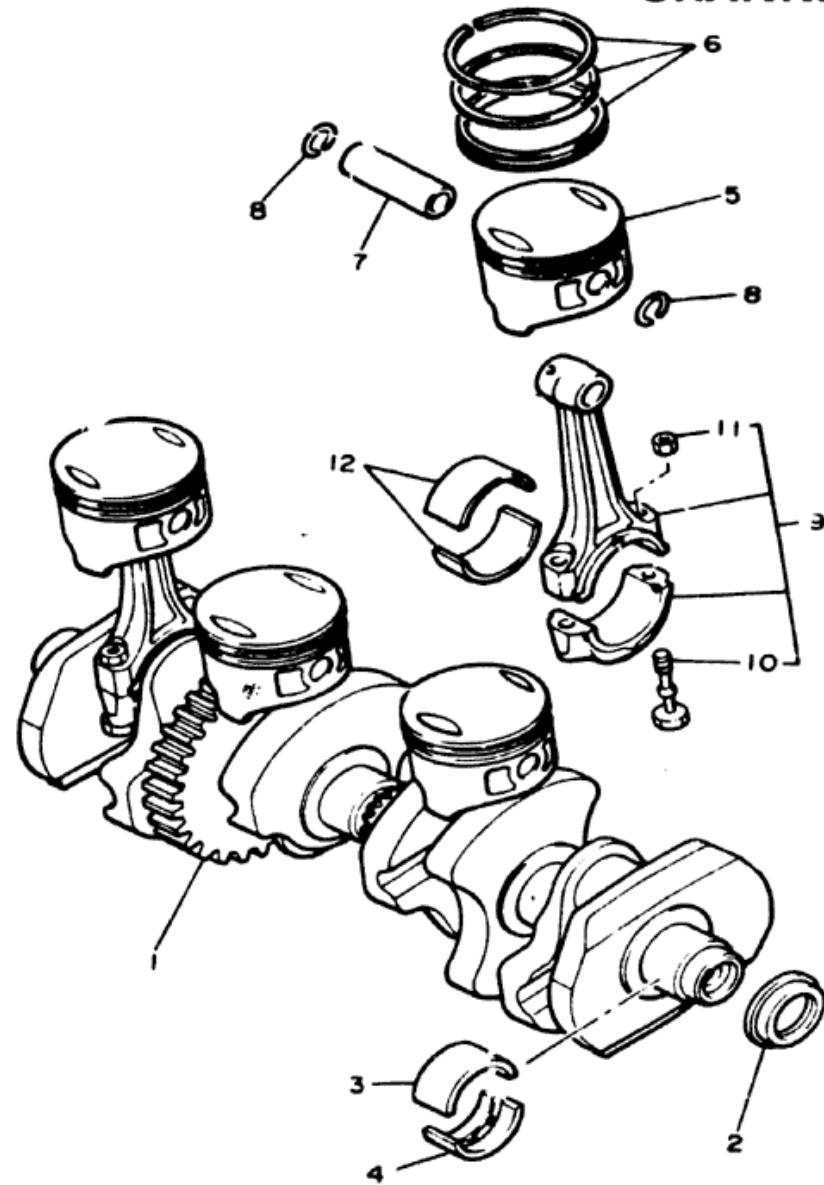
CONNECTING ROD BEARING SELECTION  
Housing No. — Shaft No. — Bearing No.

BEARING NO.	PART NO.	COLOR
BEARING 1	5G2-11418-00	BLUE
BEARING 2	5G2-11418-10	BLACK
BEARING 3	5G2-11418-20	BROWN
BEARING 4	5G2-11418-30	GREEN
BEARING 5	5G2-11418-40	YELLOW

FWD

31F171-3030

# CRANKSHAFT - PISTON



31E171-3030

Ref. No.	Part Number	Description	Qty	Remarks
6	31A-11631-01-Y0	PISTON (STD).....	4	
	31A-11636-01-00	PISTON (0.50MM O/S)	4	Alternate Part
	31A-11638-01-00	PISTON (1.00MM O/S)	4	Alternate Part
6	31A-11610-00-00	PISTON RING SET (STD)	4	
	31A-11610-20-00	PISTON RING SET (0.50 O/S) .....	4	Alt. Part
	31A-11610-40-00	PISTON RING SET (1.00 O/S) .....	4	Alt. Part
7	15A-11633-00-00	PIN, piston (1LB-11633-00).....	4	
8	93450-17044-00	CIRCLIP .....	8	
9	31A-Y1165-00-00	CONNECTING ROD ASS'Y.....	4	
10	12R-11654-00-00	BOLT, connecting rod	2	
11	90179-06327-00	NUT .....	2	
12	31A-11656-00-00	PLANE BEARING, connecting rod .....	8	U.R. Blue
	31A-11656-10-00	PLANE BEARING, connecting rod .....	8	U.R. Black
	31A-11656-20-00	PLANE BEARING, connecting rod .....	8	U.R. Brown
	31A-11656-30-00	PLANE BEARING, connecting rod .....	8	U.R. Green

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

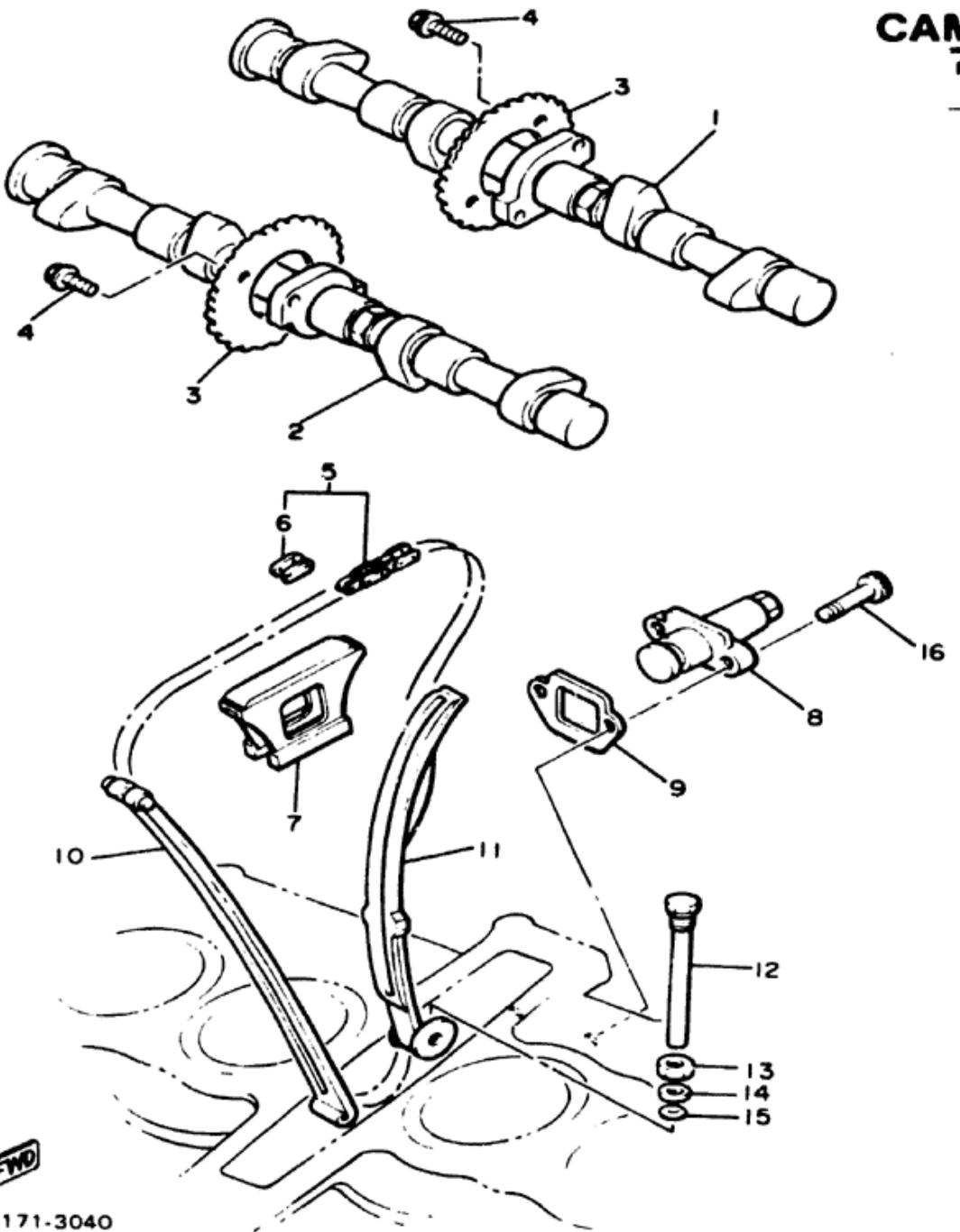
0.00 ~ 0.080mm / 0.10mm
0.18 ~ 0.36mm / 0.18 ~ 0.36mm / 0.30 ~ 0.70mm

## CONNECTING ROD BEARING SELECTION

Housing No. — Shaft No. = Bearing No.

BEARING NO.	PART NO.	COLOR
BEARING 1	5G2-11418-00	BLUE
BEARING 2	5G2-11418-10	BLACK
BEARING 3	5G2-11418-20	BROWN
BEARING 4	5G2-11418-30	GREEN
BEARING 5	5G2-11418-40	YELLOW

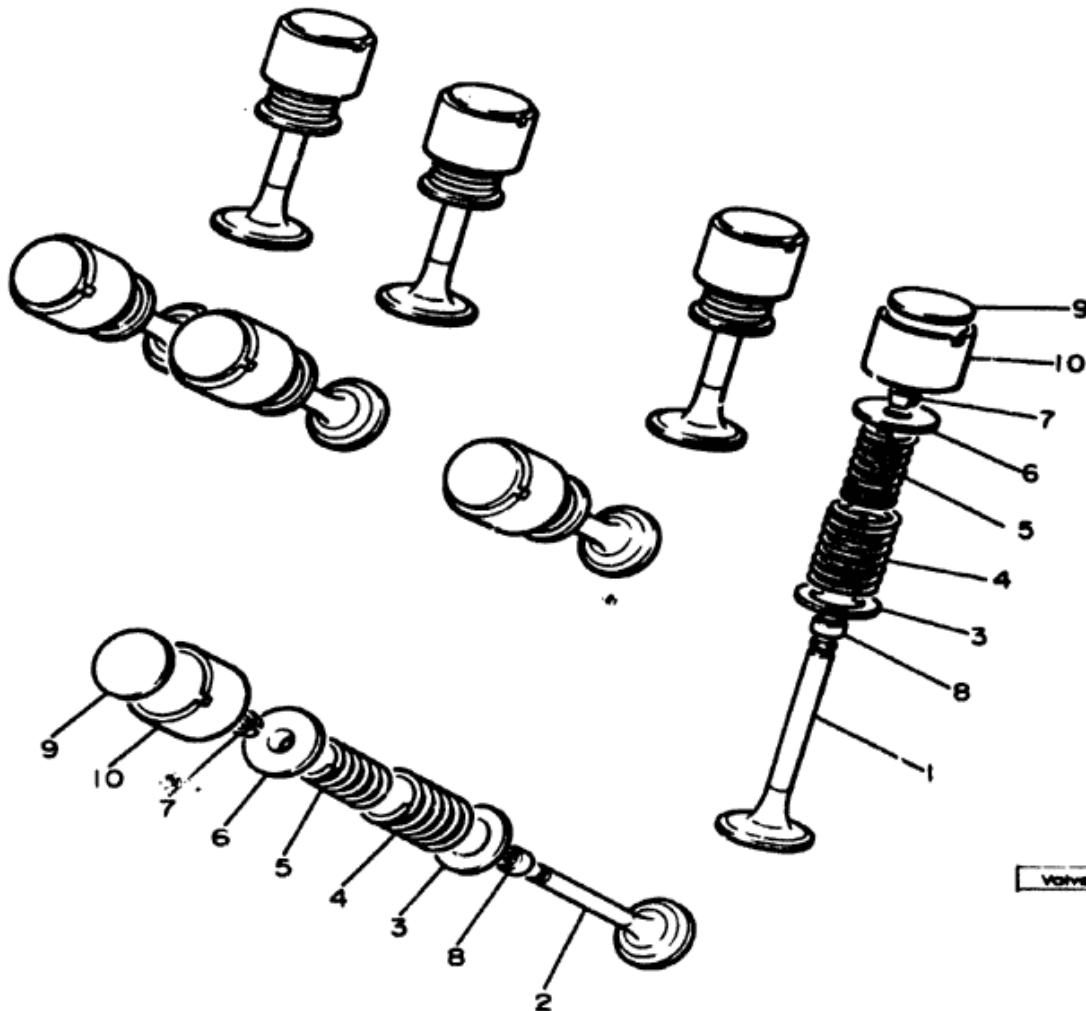
## CAMSHAFT - CHAIN



Ref. No.	Part Number	Description	Qty	Remarks
1	31A-12171-00-00	CAMSHAFT 1.....	1	
2	31A-12181-00-00	CAMSHAFT 2.....	1	
3	4G0-12176-01-00	SPROCKET, cam chain	2	
4	90105-07067-00	BOLT, washer based ...	4	
5	94580-58120-00	CHAIN (DID 219FTS-120L) ....	1	
6	94580-37021-00	JOINT, chain.....	1	
7	4H7-12241-00-00	GUIDE, stopper 2.....	1	
8	12R-12210-10-00	TENSIONER ASS'Y, cam chain .....	1	
9	5G2-12213-00-00	GASKET, tensioner case	1	
10	4H7-12251-00-00	DAMPER, chain 1 .....	1	
11	4H7-12252-00-00	DAMPER, chain 2 .....	1	
12	90109-10570-00	BOLT .....	1	
13	96301-10700-00	NUT .....	1	
14	92901-08600-00	WASHER, plate .....	1	
15	93210-08006-00	O-RING .....	1	
16	91318-06025-00	BOLT .....	2	

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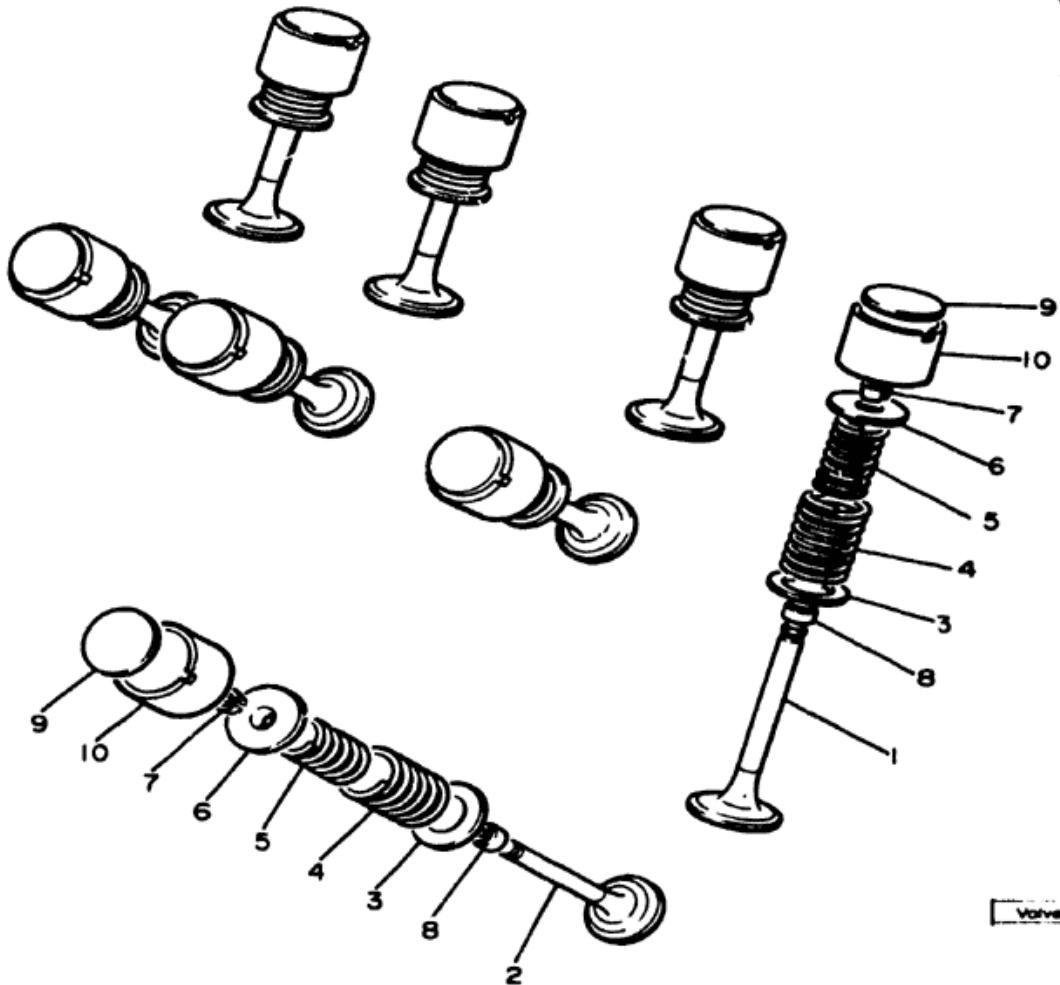
## VALVE



Ref. No.	Part Number	Description	Qty	Remarks
1	31A-12111-00-00	VALVE, intake.....	4	
2	31A-12121-00-00	VALVE, exhaust.....	4	
3	4H7-12116-00-00	SEAT, valve spring.....	8	
4	4H7-12113-00-00	SPRING, valve inner ...	8	
5	4H7-12114-00-00	SPRING, valve outer ...	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.

Valve Clearance (Cold) Intake / Exhaust      0.11 ~ 0.18mm / 0.16 ~ 0.20mm

# VALVE



Ref. No.	Part Number	Description	Qty	Remarks
	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.
	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.
10	31A-12153-00-00	LIFTER, valve .....	8	U.R.

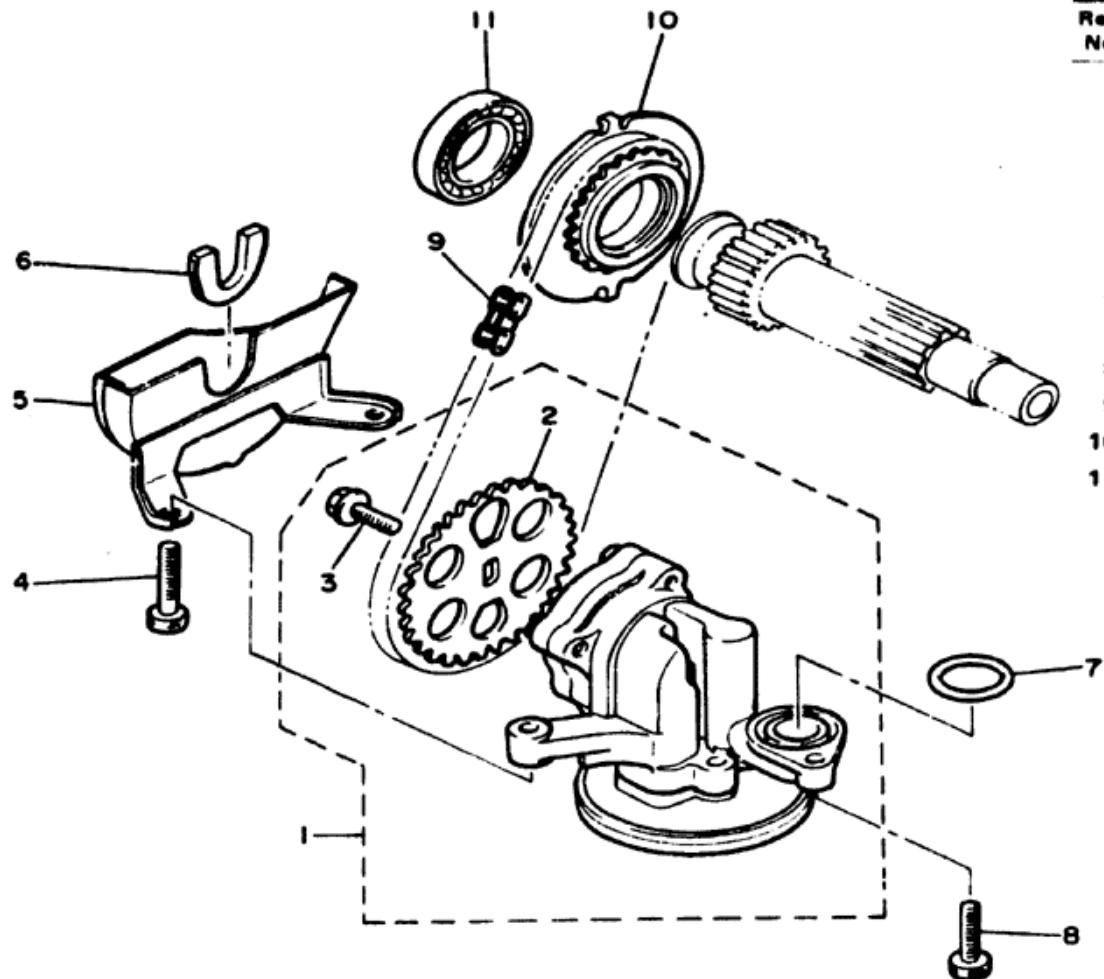
Valve Clearance (Cold) Intake / Exhaust

[ 0.11 ~ 0.18mm / 0.16 ~ 0.20mm ]



4H7110-0050

## OIL PUMP

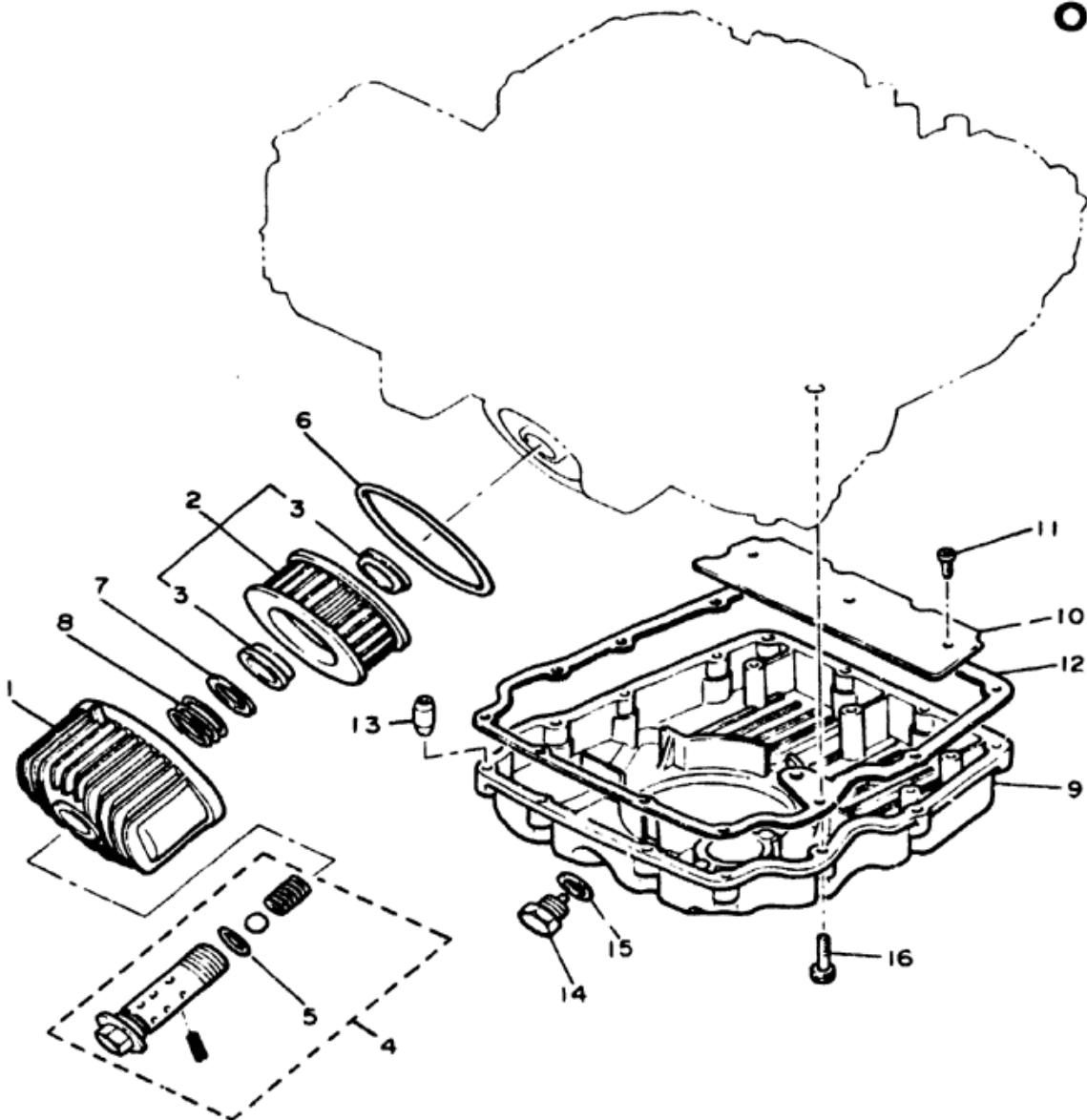


Ref. No.	Part Number	Description	Qty	Remarks
1	5G2-13300-00-00	OIL PUMP ASS'Y.....	1	
2	5G2-13355-00-00	SPROCKET, driven...	1	
3	90105-06154-00	BOLT, washer based	1	
4	90110-06035-00	BOLT, hexagon socket head.....	2	
5	4H7-13327-00-00	COVER, pump gear ....	1	
6	4H7-13328-00-00	GROMMET, gear cover	1	
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	
11	93315-23208-00	BEARING, cylindrical...	1	

5G2110-1060



## OIL FILTER

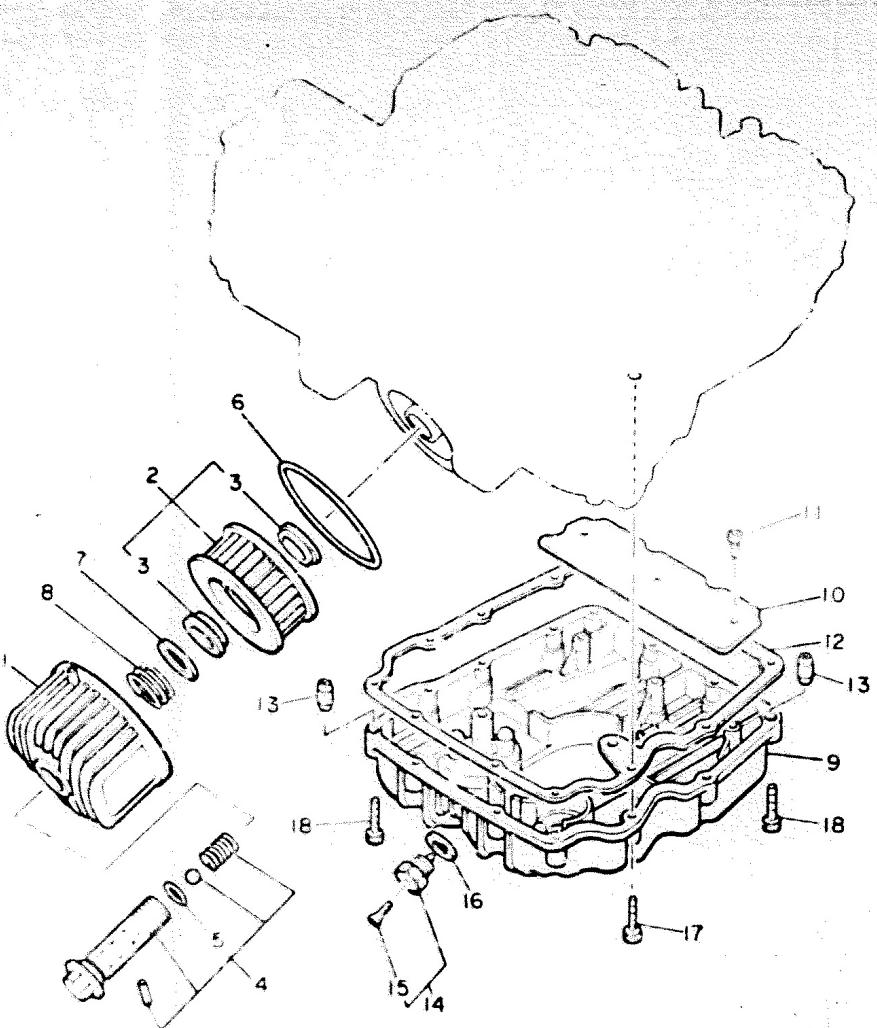


Ref. No.	Part Number	Description	Qty	Remarks
1	4K0-13447-00-00	COVER, oil element....	1	
2	1L9-13440-91-00	ELEMENT ASS'Y, oil cleaner.....	1	
3	90480-23193-00	. GROMMET .....	2	
4	4W5-13340-00-00	BY-PASS VALVE ASS'Y	1	
5	93210-16629-00	. O-RING (93210-16326)	1	
6	93210-87723-00	O-RING (93210-88324)	1	
7	90201-21603-00	WASHER, plate .....	1	
8	90501-20422-00	SPRING, compression	1	
9	31A-13417-00-00	COVER, strainer.....	1	
10	4H7-13337-00-00	PLATE, baffle lower....	1	
11	92580-06010-00	SCREW, pan head (92503-06010) .....	3	
12	4H7-13414-01-00	GASKET, strainer cover	1	
13	99510-08016-00	PIN, dowel (91810-18016) .....	2	
14	4X7-13455-00-00	PLUG .....	1	
15	214-11198-01-00	GASKET.....	1	
16	91311-06030-00	BOLT .....	13	

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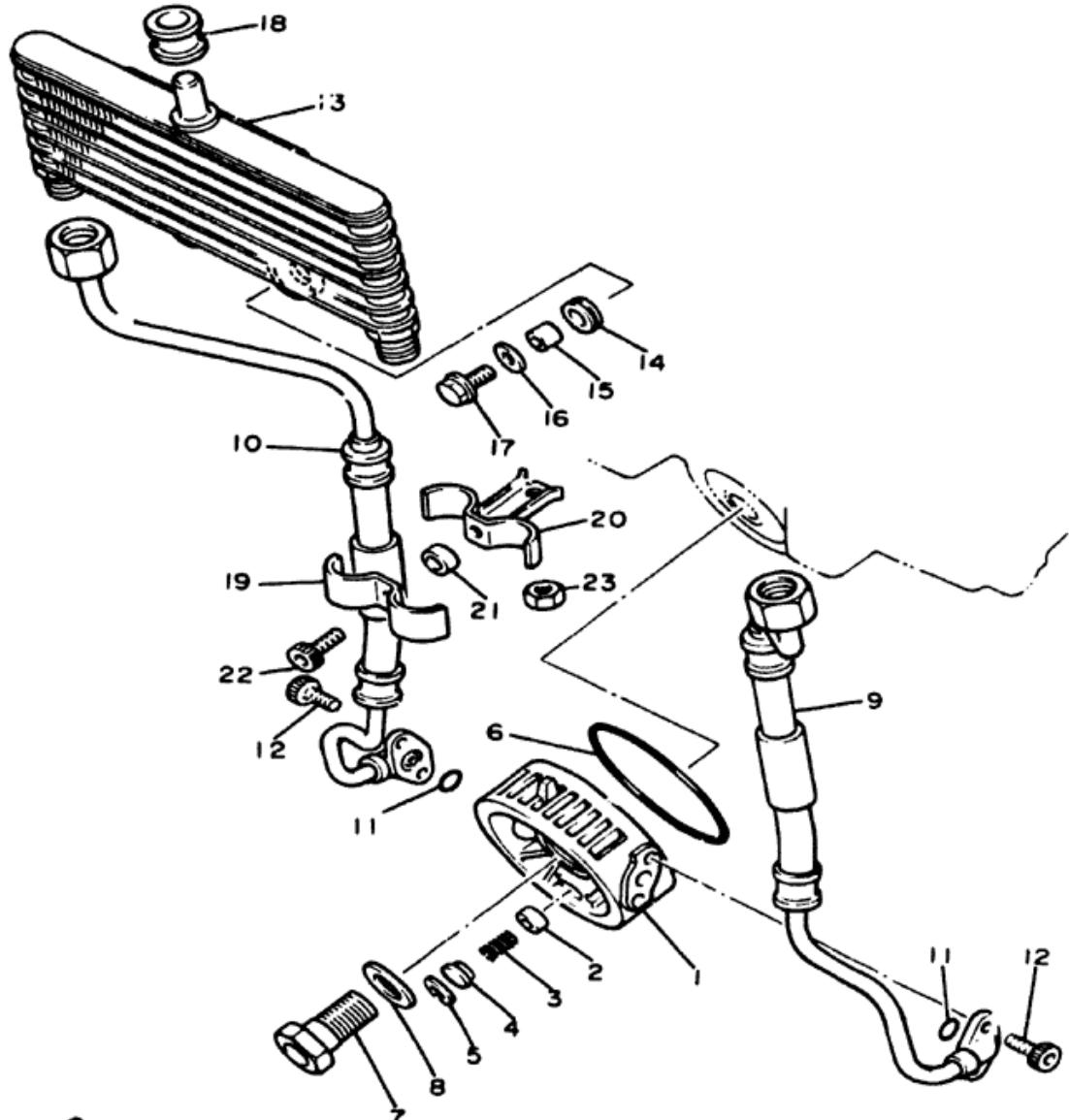
FIG. 8 OIL CLEANER

REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	4H7-13447-00	COVER, oil element	1	
2	1L9-13440-91	ELEMENT ASSY, oil cleaner	1	
3	80480-23183	GROMMET	2	
4	1L9-13340-01	BY-PASS VALVE ASSY	1	
5	93210-16325	O-RING	1	
6	93210-88324	O-RING	1	
7	90201-21608	WASHER, Plate	1	
8	90501-20422	SPRING, compression	1	
9	31A-13417-00	COVER, strainer	1	
10	4H7-13637-00	PLATE, baffle lower	1	
11	92501-06010	SCREW, Pan head	3	
12	4H7-13414-01	GASKET, strainer cover	1	
13	91810-13016	PIN, dowel	2	
14	4X7-13455-00	PLUG	1	
15	98901-06008	SCREW, bind	1	
16	214-11198-01	GASKET	1	
17	91311-06030	BOLT	11	
18	91311-06040	BOLT	2	



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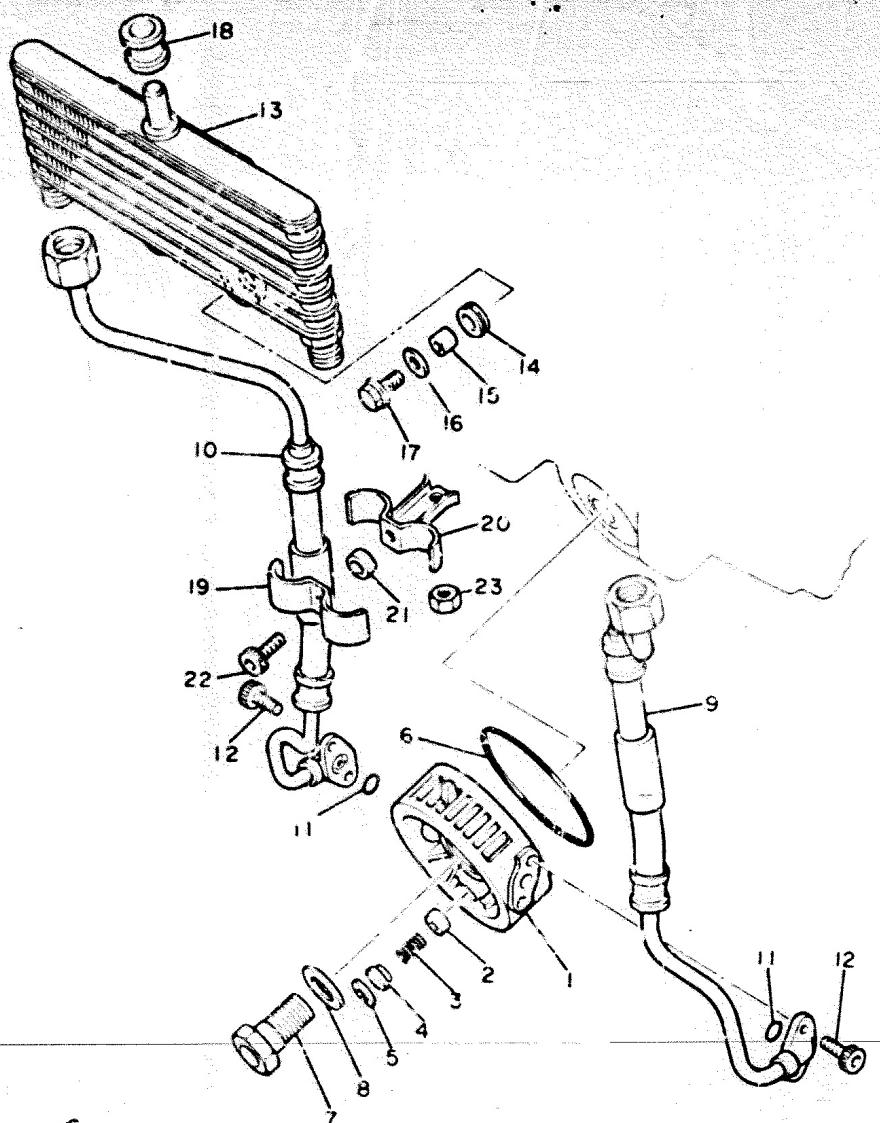
## OIL COOLER



Ref. No.	Part Number	Description	Qty	Remarks
1	4KO-13461-00-00	PLATE, adaptor.....	1	
2	2H9-13493-00-00	PLUNGER.....	1	
3	90501-12413-00	SPRING, compression	1	
4	90209-06173-00	WASHER.....	1	
5	99009-17500-00	CIRCLIP (93420-17046)	1	
6	93210-87723-00	O-RING (93210-88324)	1	
7	90401-20089-00	BOLT, union .....	1	
8	90201-25526-00	WASHER, plate (T2.0)	1	
9	31A-13464-00-00	HOSE, oil 1 .....	1	
10	31A-13465-00-00	HOSE, oil 2 .....	1	
11	93210-10197-00	O-RING .....	2	
12	91316-06016-00	BOLT .....	4	
13	31A-13470-01-00	OIL COOLER ASS'Y (31A-13470-00) .....	1	
14	90480-15235-00	GROMMET.....	2	
15	90387-060A7-00	COLLAR.....	2	
16	90209-06174-0U	WASHER.....	2	
17	95826-06020-00	BOLT, flange.....	2	
18	90480-16284-00	GROMMET.....	1	
19	90462-10066-00	CLAMP .....	1	
20	90462-10067-00	CLAMP .....	1	
21	90387-07598-00	COLLAR (90387-07038)	1	
22	91316-06025-00	BOLT .....	1	
23	95311-08700-00	NUT .....	1	

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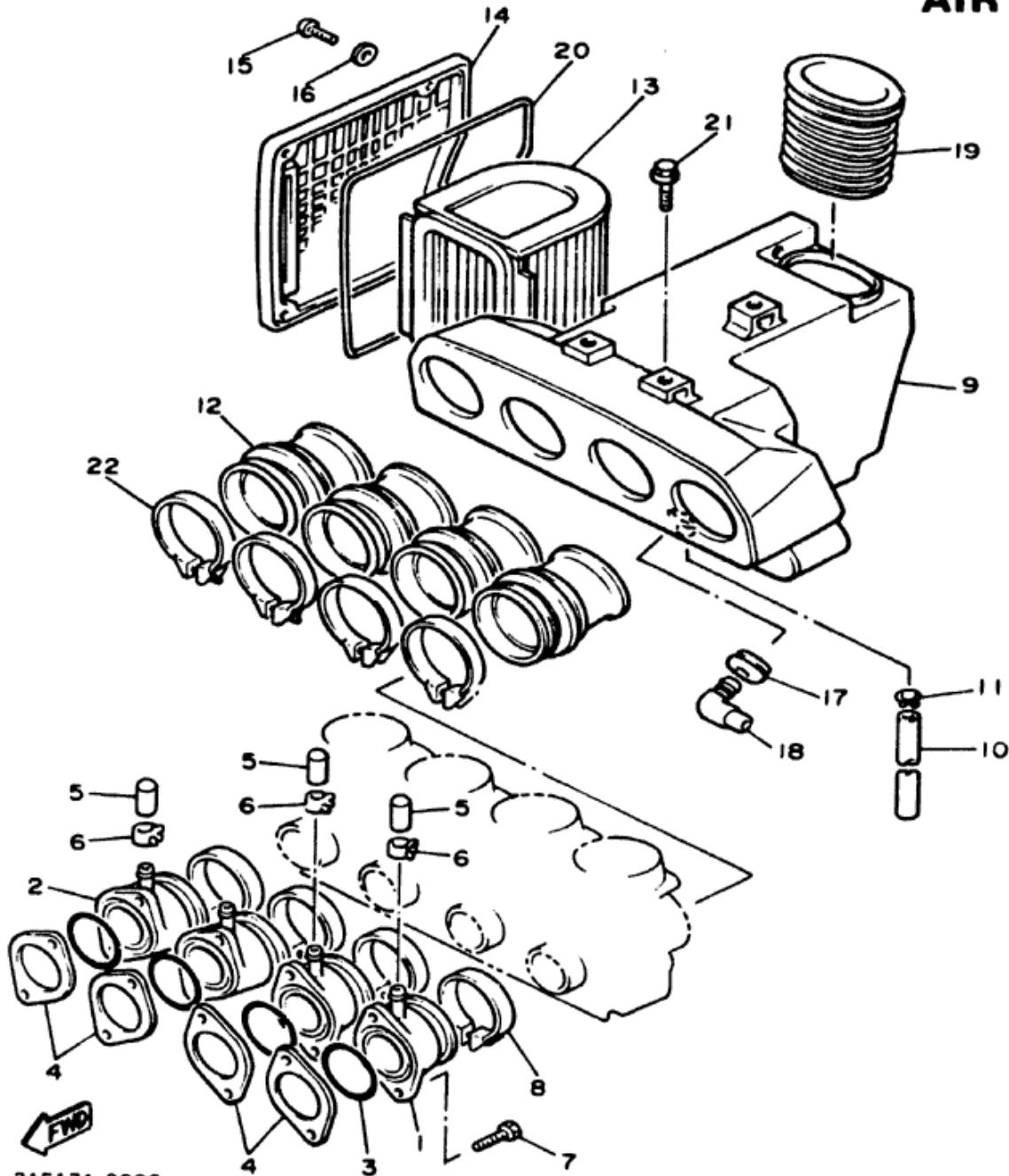
FIG. 7 OIL COOLER



REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	5N1-13461-00	PLATE, adapter	1	
2	2H9-L1193-00	PLUNGER	1	
3	90501-12413	SPRING, compression	1	
4	90209-06173	WASHER	1	
5	93420-17046	CIRCLE	1	
6	93210-88324	O-RING	1	
7	90401-20089	BOLT, union	1	
8	90201-25526	WASHER, Plate (T2.0)	1	
9	31A-13464-00	HOSE, oil 1	1	
10	31A-13485-00	HOSE, oil 2	1	
11	93210-0197	O-RING	2	
12	91316-06016	BOLT	4	
13	31A-13470-01	OIL COOLER ASSY	1	
14	90480-15235	GROMMET	2	
15	90367-060A/	COLLAR	2	
16	90209-06174	WASHER	2	
17	95826-06020	BOLT, flange	2	
18	90480-16284	GROMMET	1	
19	90462-10066	CLAMP	1	
20	90462-10067	CLAMP	1	
21	90367-07038	COLLAR	1	
22	91316-06025	BOLT	1	
23	85311-08700	NUT	1	

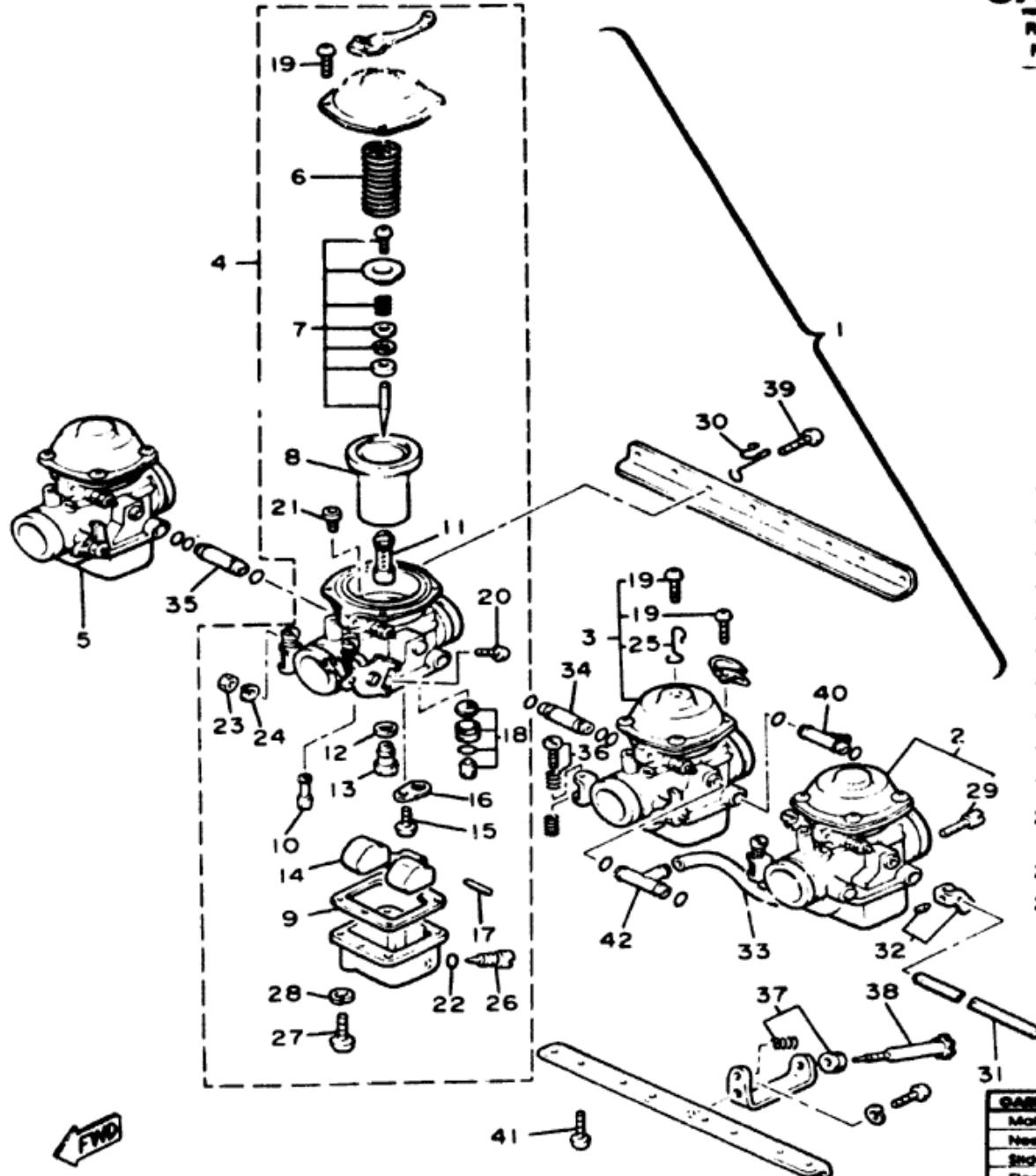
31E171 3080

# AIR FILTER



Ref. No.	Part Number	Description	Qty	Remarks
1	31A-13586-00-00	JOINT, carburetor 1....	2	
2	31A-13596-00-00	JOINT, carburetor 2....	2	
3	93210-37532-00	O-RING .....	4	
4	31A-13586-00-00	GASKET, manifold.....	4	
5	18G-13569-00-00	PLUG, blind (1J7-13569-00) .....	3	
6	90467-10039-00	CLIP.....	3	
7	91316-06020-00	BOLT .....	8	
8	90460-52215-00	CLAMP, hose .....	4	
9	31A-14401-00-00	AIR CLEANER CASE ASS'Y.....	1	
10	90445-11182-00	HOSE.....	1	
11	90467-09006-00	CLIP.....	1	
12	31A-14453-00-00	JOINT, air cleaner 1....	4	
13	31A-14451-00-00	ELEMENT, air cleaner	1	
14	31A-14412-00-00	CAP, cleaner case 1....	1	
15	92580-06020-00	SCREW, pan head (92503-06020) .....	4	
16	90201-061A5-00	WASHER, plate (92901-06600) .....	4	
17	31A-14435-00-00	GROMMET.....	1	
18	31A-14419-00-00	PIPE.....	1	
19	31A-14437-00-00	DUCT.....	1	
20	31A-14452-00-00	SEAL .....	1	
21	90119-06029-00	BOLT, w/washer.....	3	
22	90460-58015-00	CLAMP, hose (90460-58124) .....	4	

# CARBURETOR



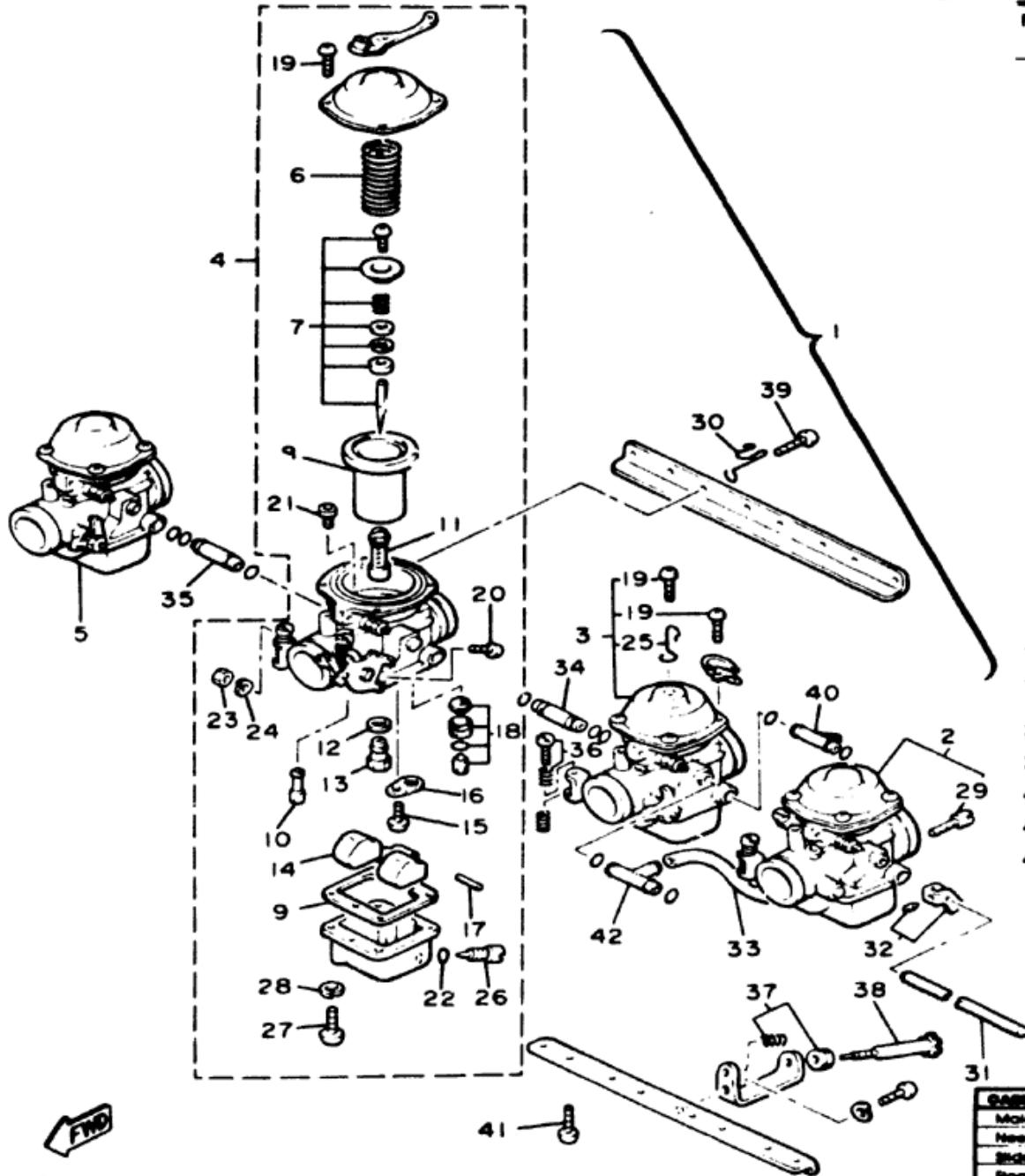
Ref. No.	Part Number	Description	Qty	Remarks
1		CARBURETOR ASS'Y	1	N/A
2	35H-14901-00-00	CARBURETOR ASS'Y 1 .....	1	
3	35H-14902-00-00	CARBURETOR ASS'Y 2 .....	1	
4	35H-14903-00-00	CARBURETOR ASS'Y 3 .....	1	
5	35H-14904-00-00	CARBURETOR ASS'Y 4 .....	1	
6	3G1-14933-00-00	SPRING, diaphragm	4	
7	35H-1490J-00-00	NEEDLE SET.....	4	
8	3H5-14940-00-00	DIAPHRAGM ASS'Y	4	
9	12R-14984-00-00	GASKET, float chamber.....	4	
10	400-14142-37-A0	JET, pilot (#37.5)	4	
11	16H-14941-90-00	NOZZLE, main .....	4	
12	137-14153-00-00	WASHER, main jet	4	
13	620-14231-71-A0	JET, main (#102.5)	4	
14	3H5-14985-00-00	FLOAT .....	4	
15	98501-04005-00	SCREW, pan head	4	
16	2HO-14148-00-00	PLATE .....	4	
17	537-14186-00-00	PIN, float .....	4	
18	12R-14107-20-00	NEEDLE VALVE SET	4	
19	97801-05010-00	SCREW, pan head	16	
20	98302-05006-00	SCREW, cylinder head.....	4	
21	12R-1410A-00-00	STARTER SET .....	4	
22	214-14147-00-00	O-RING .....	4	

SPECIFICATIONS - Manufacturer / Type / ID. Number		Mitsubishi / 8538 / 35H-00
Main Jet / Pilot Jet / Pilot Screw (Turns Out)		102.5 / 37.5
Needle Jet / Jet Needle-Cup Position		Y-G / 49Z Head
Shoe Clearance		#
Float Level / Fuel Level		N/A / 5.0 ± 4mm
Idle rpm		1080 rpm
Max CO% / Max HC% / Set CO		7.0% / 700 ppm / 3 ± 0.8%

35H110-3100



# CARBURETOR

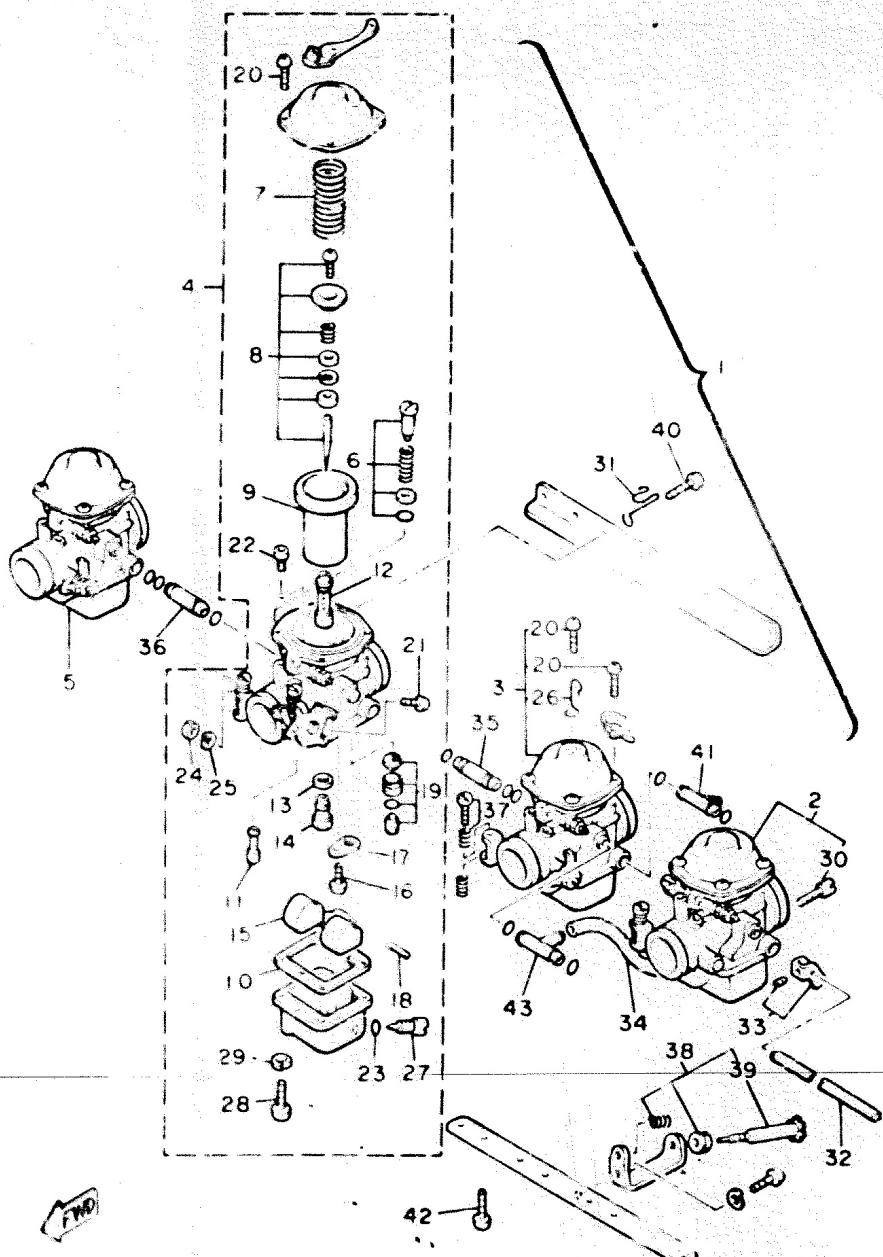


35H110-3100

Ref No.	Part Number	Description	Qty	Remarks
23	95303-08700-00	NUT (98802-08300)	3	
24	92990-08100-00	WASHER, spring (92903-08100)	3	
25	90482-13032-00	CLAMP .....	1	
26	2L1-14191-00-00	PLUG, drain .....	4	
27	98580-05016-00	SCREW, panhead (98501-05016)	16	
28	92903-05100-00	WASHER, spring (92901-05100)	16	
29	3G2-14231-32-00	JET, main (#180) (256-14944-32)	4	
30	11T-14139-00-00	CLIP, pipe .....	1	
31	31A-1490L-00-00	STARTER LEVER SET, 1 .....	1	
32	31A-1490M-00-00	STARTER LEVER SET, 2 .....	4	
33	35H-14987-00-00	HOSE .....	2	
34	16H-14251-00-00	NIPPLE .....	1	
35	31A-14988-00-00	PIPE, starter connecting .....	1	
36	31A-1490K-00-00	STOP SCREW SET .....	3	
37	31A-14103-00-00	THROTTLE SCREW SET .....	1	
38	97801-05010-00	SCREW, pan head .....	8	
39	4U8-14122-00-00	SCREW, throttle .....	1	
40	3H3-14988-00-00	NIPPLE .....	1	
41	97801-06014-00	SCREW, pan head .....	8	
42	17A-14251-00-00	NIPPLE .....	2	

Specification - Manufacturer / Type / ID. Number	Setting / Value
Main Jet / Pilot Jet / Pilot Screw (Turns Out)	102.6 ± 37.6
Needle Jet / Jet Needle-Cap Position	Y-G / G-G Reed
Idle Cutaway	0
Pilot Level / Fuel Level	NA / 8.0 ± 1mm
Idle rpm	1000 rpm
Max CO% / Max HC% / Bar. CO	7.0% / 700 ppm / 3 ± 0.8%

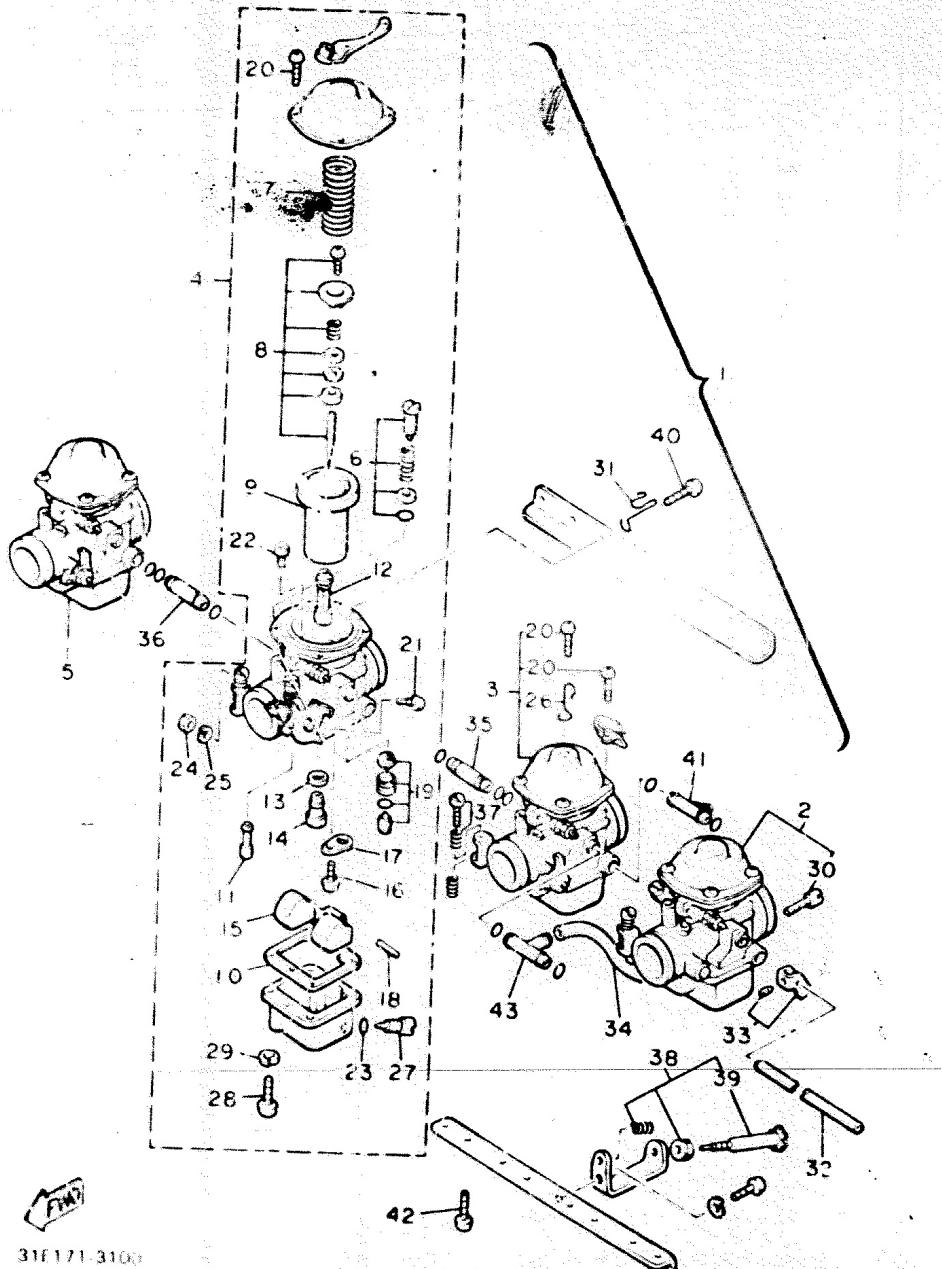
FIG. 10 CARBURETOR



REF. NO.	PART NO.	DESCRIPTION	C'TY	REMARKS
1	31A-14900-00	CARBURETOR ASSY	1	
2	31A-14901-00	•CARBURETOR ASSY 1	1	
3	31A-14902-00	•CARBURETOR ASSY 2	1	
4	31A-14903-00	•CARBURETOR ASSY 3	1	
5	31A-14904-00	•CARBURETOR ASSY 4	1	
6	12R-14105-00	..PILOT SCREW SET	4	
7	3G1-14933-00	..SPRING, diaPhragm	4	
8	31A-1490J-00	..NEEDLE SET	4	
9	3H5-14940-00	..DIAPHRAGM ASSY	4	
10	12R-14984-00	..GASKET, float chamber	4	
11	4G0-14142-40	..JET, Pilot (# 40)	4	
12	16H-14941-90	..NOZZLE, main	4	
13	137-14153-00	..WASHER, main Jet	4	
14	620-14231-71	..JET, main (#102.5)	4	
15	3H5-14985-00	..FLDAT	4	
16	98502-04006	..SCREW, Pan head	4	
17	2H0-14146-00	..PLATE	4	
18	537-14186-00	..PIN, float	4	
19	12R-14107-20	..NEEDLE VALVE SET	4	
20	97801-05010	..SCREW, Pan head	10	
21	98302-05006	..SCREW, cylinder head	4	
22	12R-1410A-00	..STARTER SET	4	
23	214-14147-00	..O-RING	4	
24	98802-08300	..NUT	3	
25	92901-08100	..WASHER, sPring	3	
26	90462-13032	..CLAMP	1	
27	2L1-14191-00	..PLUG, drain	4	
28	98501-05016	..SCREW, Pan head	16	

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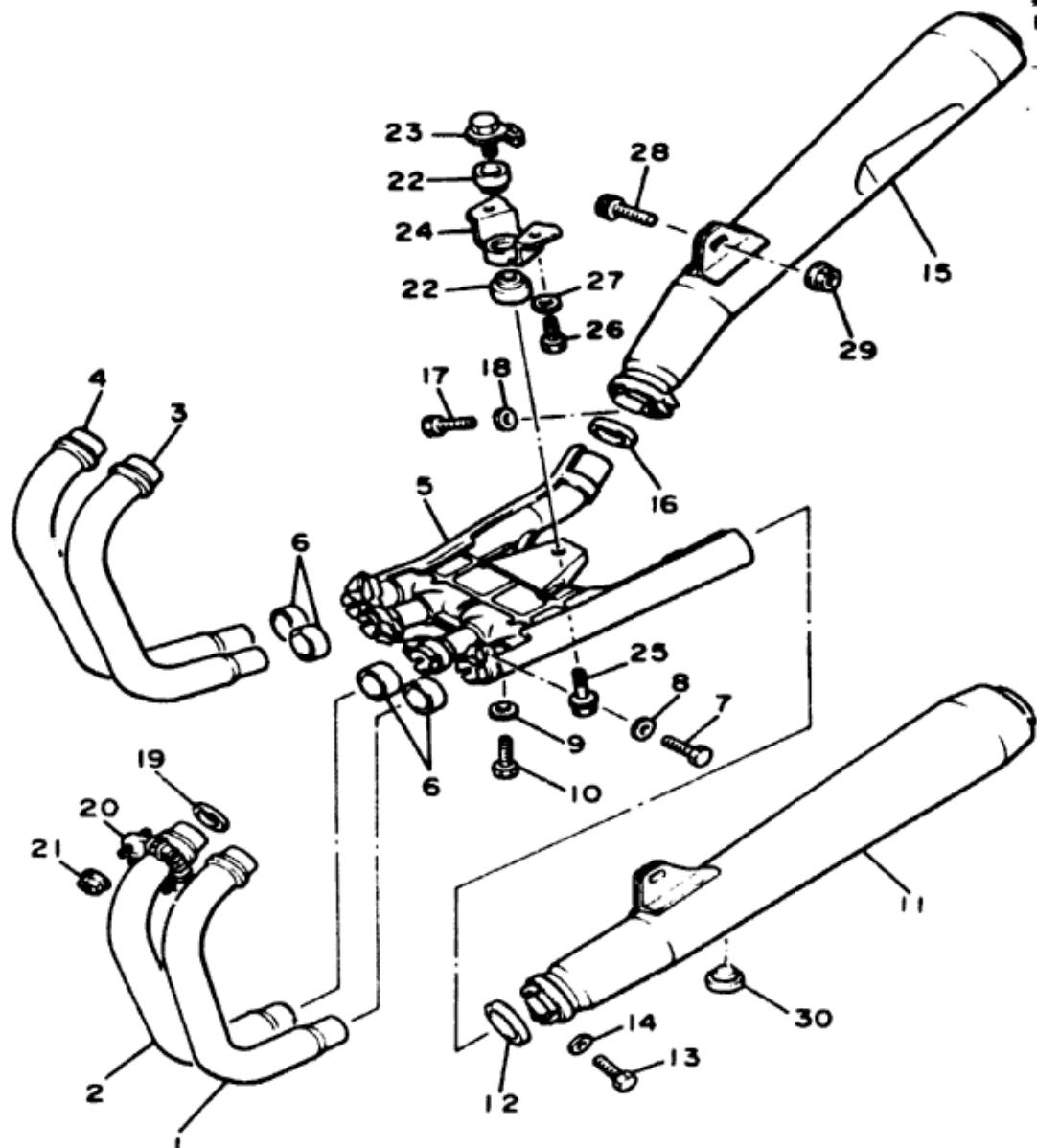
FIG. 10 CARBURETOR



REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
29	92901-05100	•WASHER, sPring	16	
30	256-14944-32	•JET, main (#160)	4	
31	11T-14139-00	•CLIP, PIPE	1	
32	31A-1490L-00	•STARTER LEVER SET, 1	1	
33	31A-1490M-00	•STARTER LEVER SET, 2	4	
34	35H-14987-00	•HOSE	2	
35	16H-14251-00	•NIPPLE	1	
36	31A-14988-00	•PIPE, starter connecting	1	
37	31A-1490K-00	•STOP SCREW SET	3	
38	31A-14103-00	•THROTTLE SCREW SET	1	
39	97801-05010	•SCREW, Pan head	8	
40	4U8-14122-00	•SCREW, throttle	1	
41	3H3-14988-00	•NIPPLE	1	
42	97801-06014	•SCREW, Pan head	8	
43	17A-14251-00	•NIPPLE	2	

31F171-3100

## EXHAUST



Ref. No.	Part Number	Description	Qty	Remarks
1	31A-14611-00-00	PIPE, exhaust 1 .....	1	
2	31A-14621-00-00	PIPE, exhaust 2 .....	1	
3	31A-14631-00-00	PIPE, exhaust 3 .....	1	
4	31A-14641-00-00	PIPE, exhaust 4 .....	1	
5	31A-14615-00-00	JOINT, exhaust 1 .....	1	
6	31A-14714-00-00	GASKET, muffler .....	4	
7	97313-08025-00	BOLT (97311-08025)...	4	
8	92901-08600-00	WASHER, plate .....	4	
9	92990-08600-00	WASHER, plate .....	4	
10	90101-08575-00	BOLT .....	4	
11	35H-14711-80-00	MUFFLER 1 .....	1	
12	1L9-14714-01-00	GASKET, muffler .....	1	
13	97313-08025-00	BOLT (97311-08025)...	1	
14	92901-08600-00	WASHER, plate .....	1	
15	35H-14721-80-00	MUFFLER 2 .....	1	
16	1L9-14714-01-00	GASKET, muffler .....	1	
17	97313-08025-00	BOLT (97311-08025)...	1	
18	92901-08600-00	WASHER, plate .....	1	
19	4H7-14613-00-00	GASKET, exhaust pipe	4	
20	31A-14612-00-00	NUT, ring .....	4	
21	90179-06499-00	NUT (90179-06306) ...	8	
22	4K0-14747-00-00	DAMPER, muffler...	2	
23	4K0-14638-0-00	COLLAR .....	1	
24	4K0-14791-00-00	STAY, muffler .....	1	
25	95801-10040-00	BOLT, flange .....	1	
26	97313-08025-00	BOLT (97311-08025)...	2	
27	92901-08600-00	WASHER, plate .....	2	
28	91311-10025-00	BOLT .....	2	
29	95702-10500-00	NUT, flange (95702-10100) .....	2	
30	1AO-27114-00-00	STOPPER, main stand	1	



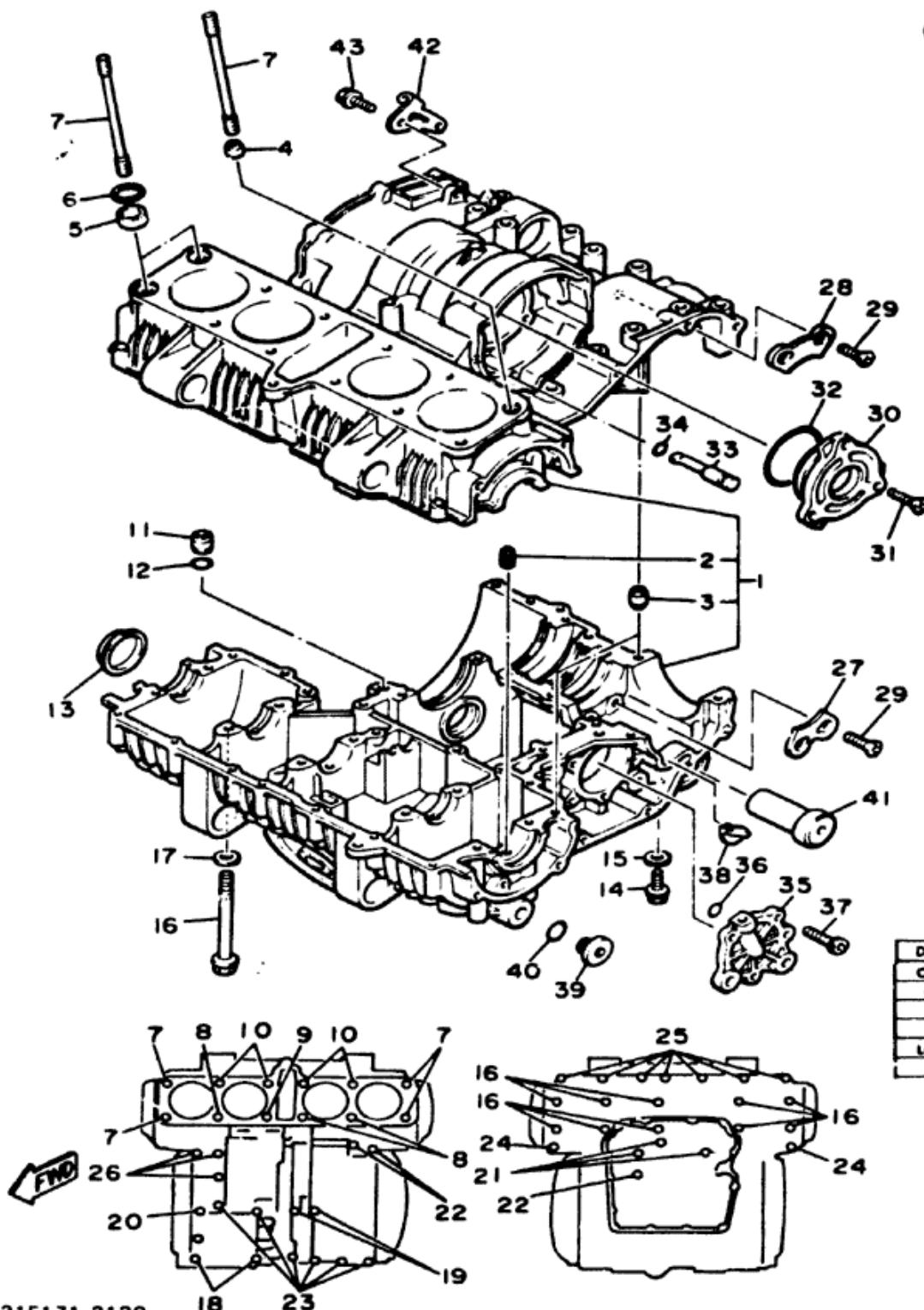
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Max CO<sub>x</sub> / Max HC<sub>x</sub> / Std CO<sub>x</sub>

7.0% / 700 ppm / 3 ± 0.5%

"These replacement parts comply with all Florida laws and regulations requiring testing and certification of exhaust system replacement parts."

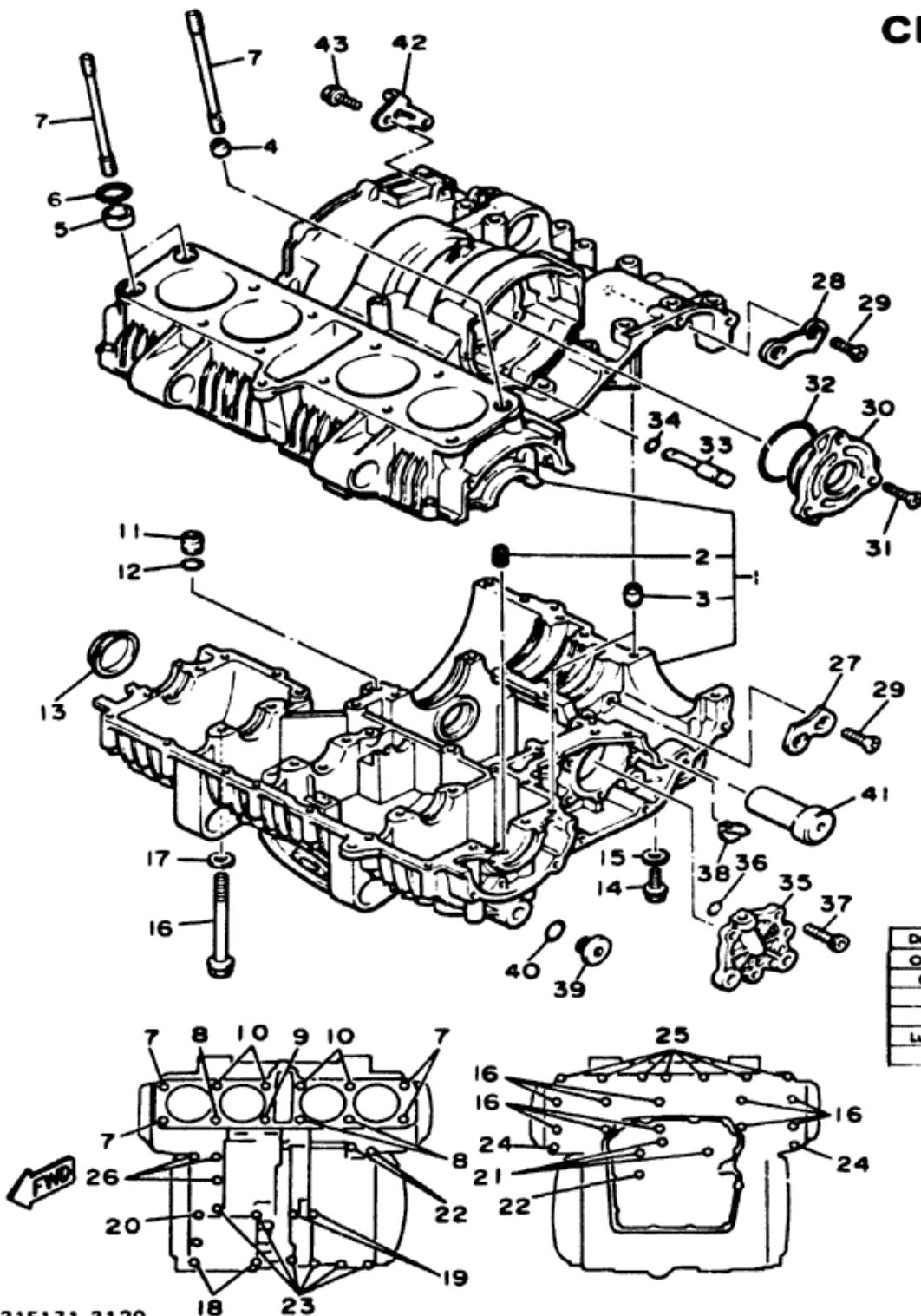
# CRANKCASE



Ref. No.	Part Number	Description	Qty	Remarks
1	35H-15100-00-00	CRANKCASE ASS'Y ...	1	
2	4H7-15138-00-00	. NOZZLE 1.....	3	
3	99530-12016-00	. PIN, dowel (91830-22016).....	3	
4	99530-14016-00	PIN, dowel (91830-24016).....	1	
5	90387-16547-00	COLLAR.....	2	
6	93210-18322-00	O-RING .....	2	
7	90116-10330-00	BOLT, stud .....	4	
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	99530-12016-00	PIN, dowel (91830-22016).....	1	
12	93210-11124-00	O-RING .....	1	
13	4H7-15167-10-00	PLUC, blind 1 .....	1	
14	90105-08003-00	BOLT, washer based ..	1	
15	90201-08087-00	WASHER, plate .....	1	
16	95811-06105-00	BOLT, flange .....	10	
17	90201-094G1-00	WASHER, plate (90201-08366) .....	8	
18	95811-08065-00	BOLT, flange .....	2	
19	95811-06135-00	BOLT, flange .....	2	
20	95811-06120-00	BOLT, flange .....	1	
21	95811-06080-00	BOLT, flange .....	3	
22	95811-06070-00	BOLT, flange .....	3	
23	95811-06060-00	BOLT, flange .....	6	

Drain Plug	M14, 2.3 mm-kg
Oiling System	Wet sump
Capacity Dry	3400cc
Oil and Filter Change	2800cc
Oil Change Only	2600cc
Lubricant Temp. Above 8°C (46°F)	Varolube 4° or SAE 20W40 SE or SF
Temp. Below 15°C (60°F)	SAE 10W30 SE or SF

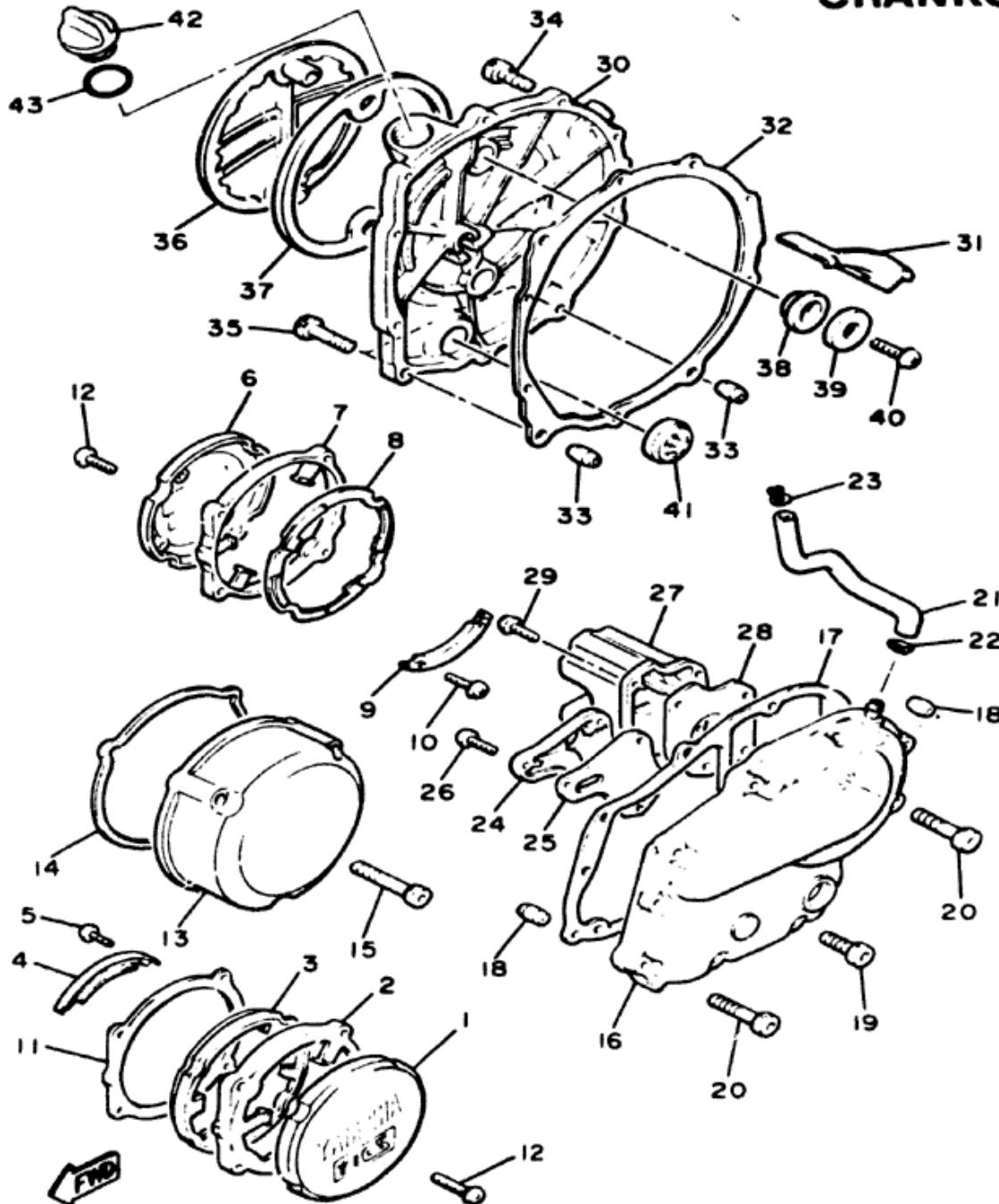
# CRANKCASE



Ref. No.	Part Number	Description	Qty	Remarks
24	95811-08055-00	BOLT, flange.....	2	
25	95811-08045-00	BOLT, flange.....	7	
26	95811-08035-00	BOLT, flange.....	3	
27	31A-15381-00-00	PLATE, bearing cover...	1	
28	31A-1E383-00-00	PLATE, bearing cover...	1	
29	90149-08152-00	SCREW.....	4	
30	4H7-15183-01-00	HOUSING, bearing....	1	
31	90151-08014-00	SCREW, countersunk	3	
32	93210-62439-00	O-RING.....	1	
33	4H7-13454-00-00	NOZZLE.....	1	
34	93210-07540-00	O-RING.....	1	
35	16G-15184-00-00	HOUSING, bearing 2...	1	
36	93210-07438-00	O-RING.....	1	
37	91311-08020-00	BOLT.....	3	
38	4H7-15385-00-00	GROMMET.....	1	
39	4H7-15189-00-00	PLUG (4K0-15189-00)	2	
40	93210-21276-00	O-RING.....	2	
41	90387-125A2-00	COLLAR.....	2	
42	4K0-15441-00-00	HOLDER, clutch cable	1	
43	91316-08012-00	BOLT.....	2	

Drain Plug	M14 2.3 m-tg
Cooling System	Wet Sump
Capacity Dry	3600cc
Oil and Filter Change	2800cc
Oil Change Only	2600cc
Lubricant: Temp. Above 8°C (46°F)	Torq-Solube 6° or SAE 20W40 SE or SF
Temp. Below 16°C (60°F)	SAE 10W30 SE or SF

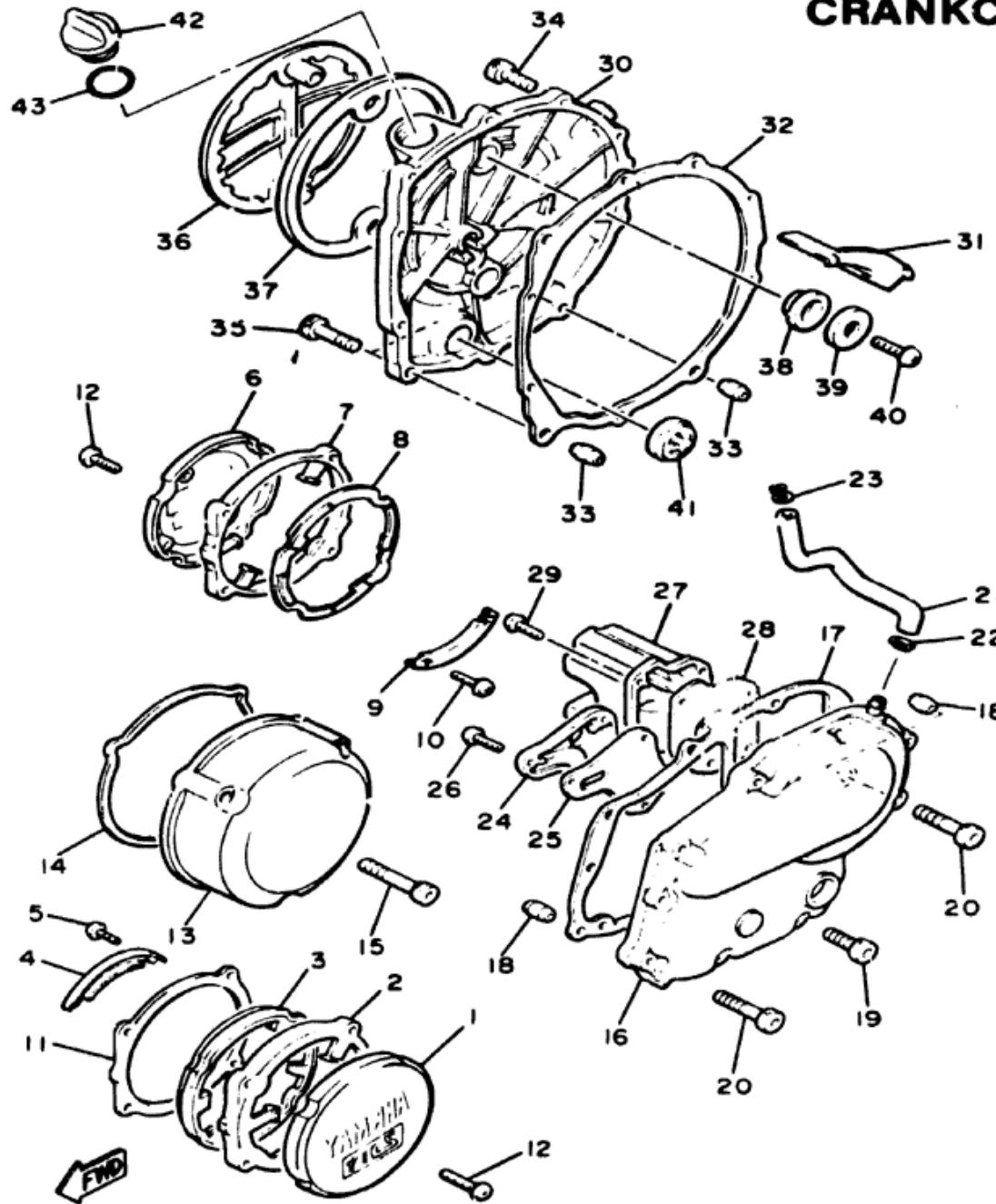
# CRANKCASE COVER 1



Ref. No.	Part Number	Description	Qty	Remarks
1	22N-15416-00-00	COVER, oil pump .....	1	
2	22N-15431-01-00	COVER, crankcase 3 (22N-15431-00) .....	1	
3	22N-15449-00-00	RING, rubber.....	2	
4	22N-15144-00-00	PLATE, lock.....	2	
5	92580-06010-00	SCREW, pan head (92503-06010) .....	4	
6	22N-15426-00-00	COVER, oil pump 2 .....	1	
7	22N-15431-01-00	COVER, crankcase 3 (22N-15431-00) .....	1	
8	22N-15449-00-00	RING, rubber.....	1	
9	22N-15144-00-00	PLATE, lock.....	2	
10	92580-06010-00	SCREW, pan head (92503-06010) .....	4	
11	4H7-15456-00-00	GASKET, oil pump cover 1.....	1	
12	98906-06020-00	SCREW, bind .....	8	
13	5G2-15415-00-00	COVER, generator .....	1	
14	4H7-15455-00-00	GASKET 1.....	1	
15	91316-06070-00	BOLT .....	3	
16	5G2-15409-10-00	CRANKCASE COVER ASS'Y.....	1	
17	4H7-15451-00-00	GASKET, crankcase cover .....	1	
18	99530-10014-00	PIN, dowel (91830-21014) .....	2	
19	91316-06025-00	BOLT .....	8	
20	91316-06040-00	BOLT .....	2	
21	5G2-11166-00-00	PIPE, breather 1.....	1	

35H110-3130

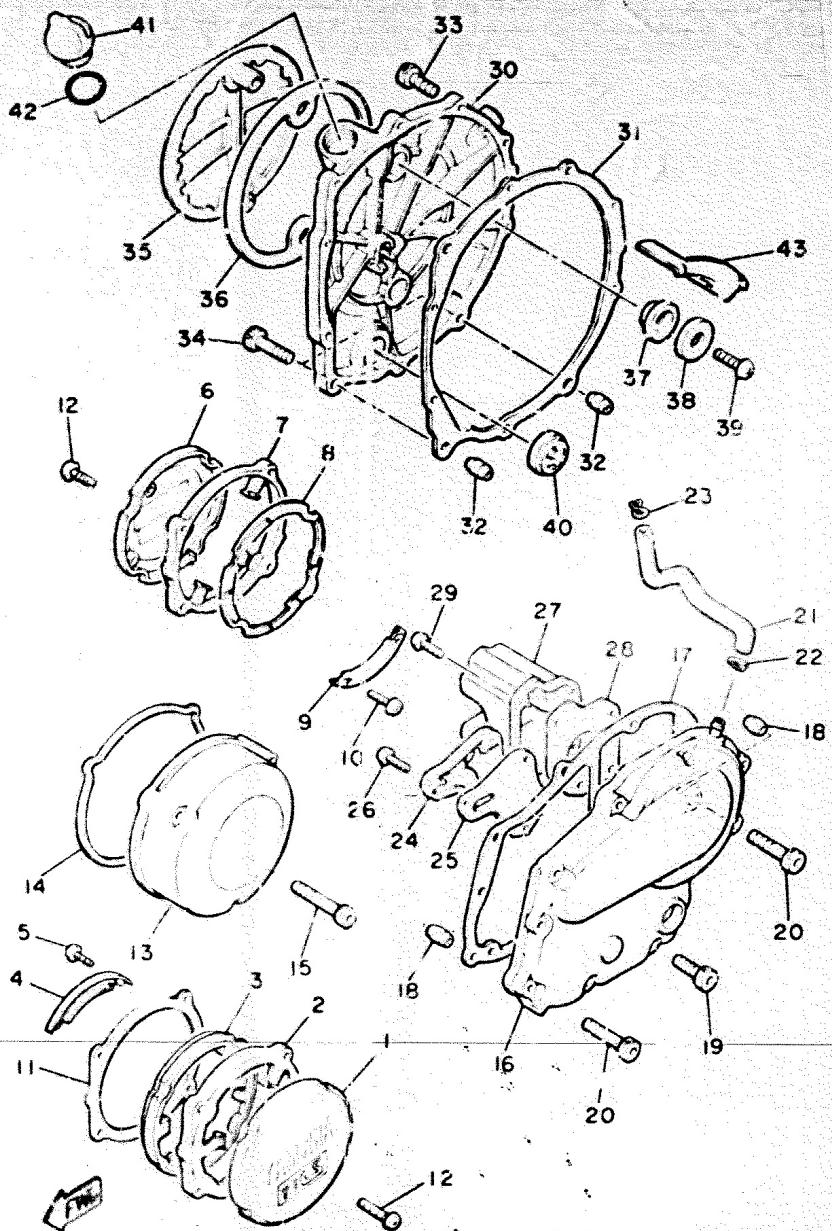
## CRANKCASE COVER 1



Ref. No.	Part Number	Description	Qty	Remarks
22	90467-14015-00	CLIP.....	1	
23	90468-08104-00	CLIP.....	1	
24	4H7-15346-00-00	BREATHER 1 .....	1	
25	4H7-15467-00-00	GASKET.....	1	
26	92501-08014-00	SCREW, pan head .....	3	
27	4H7-15347-00-00	BREATHER 2 .....	1	
28	4H7-15467-00-00	GASKET.....	1	
29	92501-08014-00	SCREW, pan head .....	4	
30	4K0-15421-01-00	COVER, crankcase 2...	1	
31	4H7-15412-01-00	SCRAPER, oil .....	1	
32	4H7-15461-01-00	GASKET, crankcase cover 2.....	1	
33	99530-10014-00	PIN, dowel (91830-21014) .....	2	
34	91318-08025-00	BOLT .....	8	
35	91318-08040-00	BOLT .....	2	
36	5G2-15417-00-00	COVER, cap .....	1	
37	4H7-15449-00-00	RING, rubber.....	1	
38	4H7-15466-00-00	GROMMET.....	2	
39	90209-08096-00	WASHER.....	2	
40	92501-08014-00	SCREW, pan head .....	2	
41	2H7-15361-00-00	GAUGE, level .....	1	
42	2H9-15363-00-00	PLUG, oil.....	1	
43	93210-27370-00	O-RING .....	1	

35H110-3130

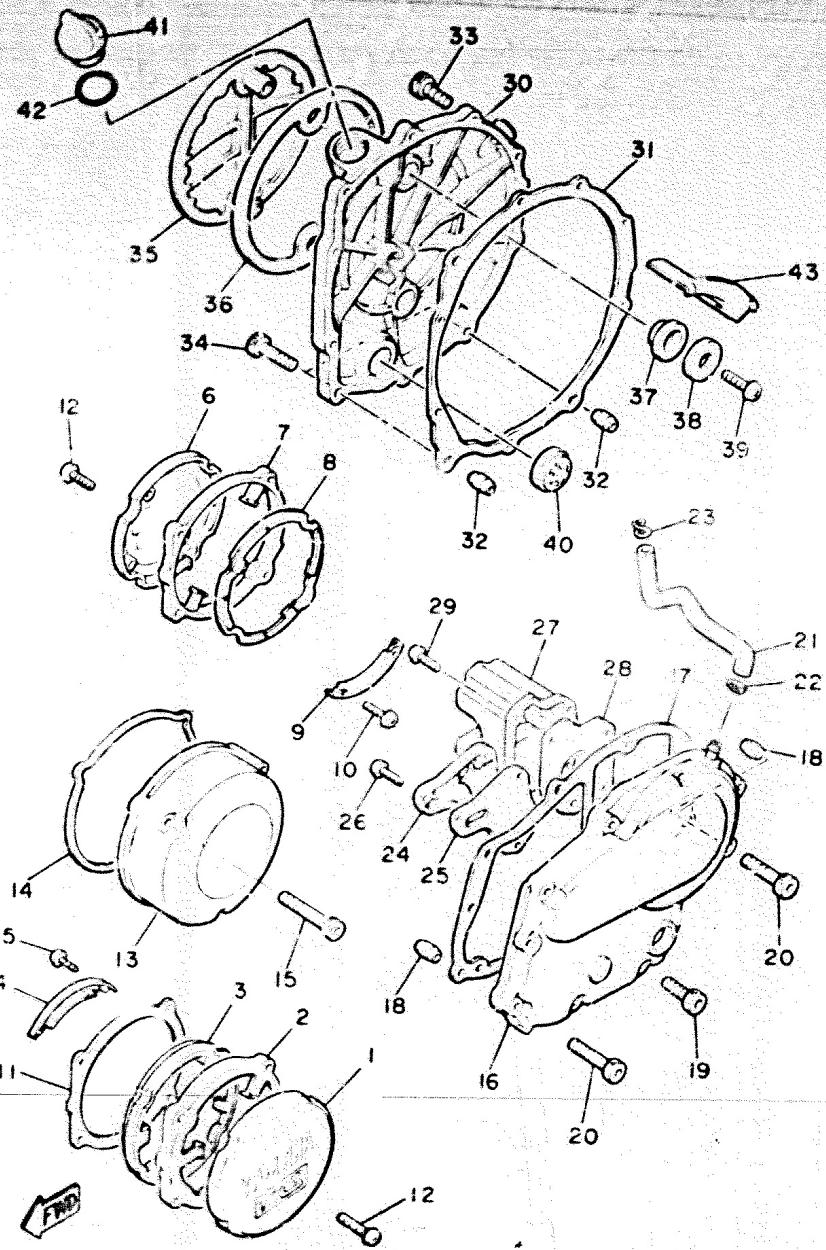
FIG. 13 CRANKCASE COVER 1



REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	22N-15416-00	COVER, oil Pump	1	
2	31A-15431-00	COVER, crankcase 3	1	
3	22N-15449-00	RING, rubber	1	
4	22N-15144-00	PLATE, lock	2	
5	92501-06010	SCREW, Pan head	4	
6	22N-15426-00	COVER, oil Pump 2	1	
7	31A-15431-00	COVER, crankcase 3	1	
8	22N-15449-00	RING, rubber	1	
9	22N-15144-00	PLATE, lock	2	
10	92501-06010	SCREW, Pan head	4	
11	4H7-15456-00	GASKET, oil Pump cover 1	1	
12	98901-0E020	SCREW, bind	8	
13	4H7-15415-00	COVER, Generator	1	
14	4H7-15455-00	GASKET 1	1	
15	91311-06070	- BOLT	3	
16	5G2-15409-00	CRANKCASE COVER ASSY	1	
17	4H7-15451-00	GASKET, crankcase cover 1	1	
18	91830-21014	PIN, dowel	2	
19	91311-06025	BOLT	8	
20	91311-06040	BOLT	2	
21	5G2-11166-00	PIPE, breather 1	1	
22	90467-14015	CLIP	1	
23	90468-08104	CLIP	1	
24	4H7-15346-00	BREATHER 1	1	
25	4H7-15457-00	GASKET	1	
26	92501-06011	SCREW, Pan head	3	
27	4H7-15347-00	BREATHER 2	1	
28	4H7-15467-00	GASKET	1	

42N300-4130

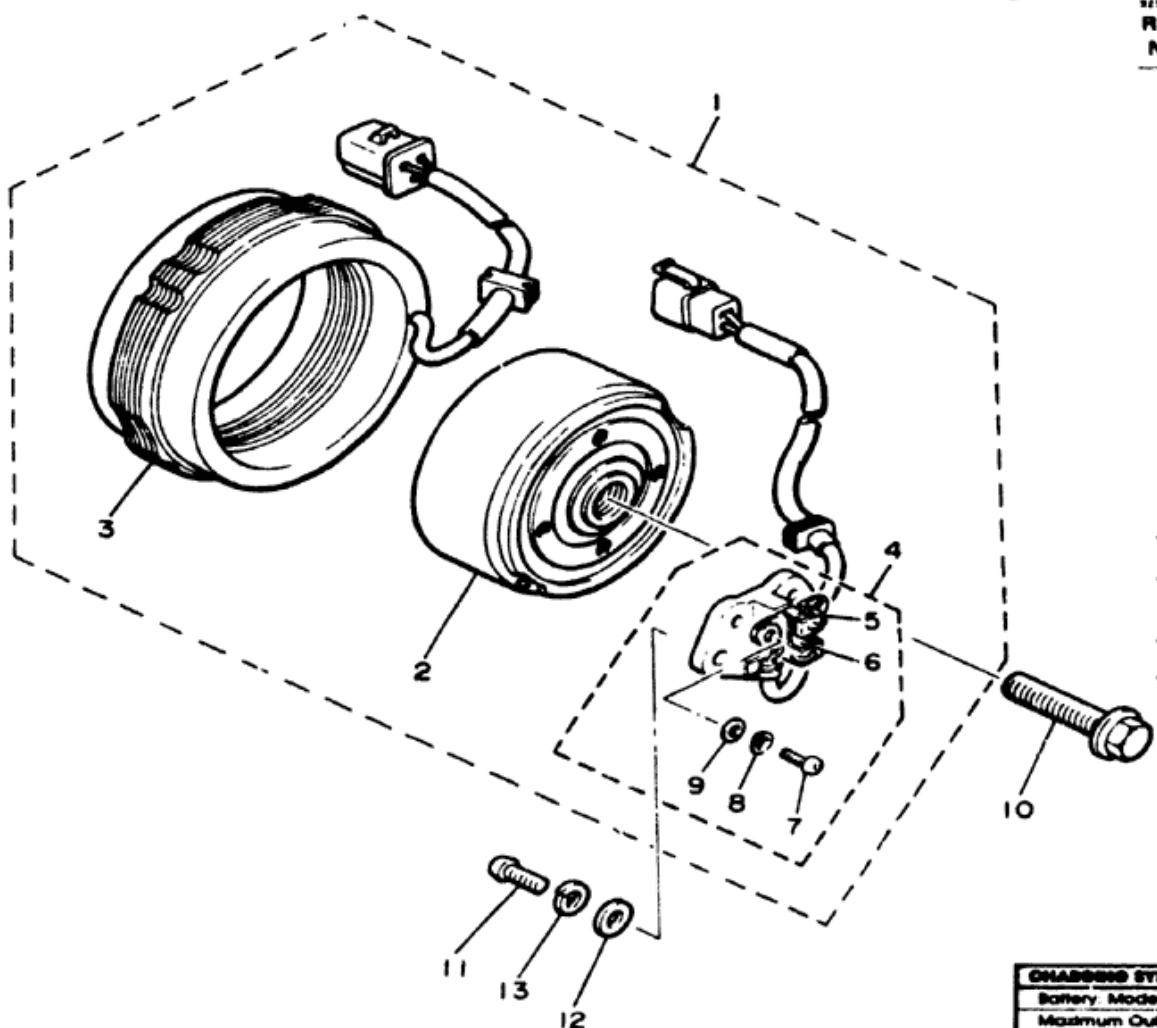
FIG. 13 CRANKCASE COVER 1



42N300-413J

REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
29	92501-06014	SCREW, Pan head	4	
30	4H7-15421-02	COVER, crankcase 2	1	
31	4H7-15461-01	GASKET, crankcase cover 2	1	
32	91830-21014	PIN, dowel	2	
33	91311-06025	BOLT	5	
34	91311-06040	BOLT	2	
35	5G2-15417-00	COVER, cap	1	
36	4H7-15449-00	RING, rubber	1	
37	4H7-15486-00	GROMMET	2	
38	90209-06096	WASHER	2	
39	92501-06014	SCREW, Pan head	2	
40	2H7-15361-00	GAUGE, level	1	
41	2H7-15363-00	PLUG, oil	1	
42	93210-27370	O-RING	1	
43	4H7-15412-01	SCRAPER, oil	1	

# GENERATOR



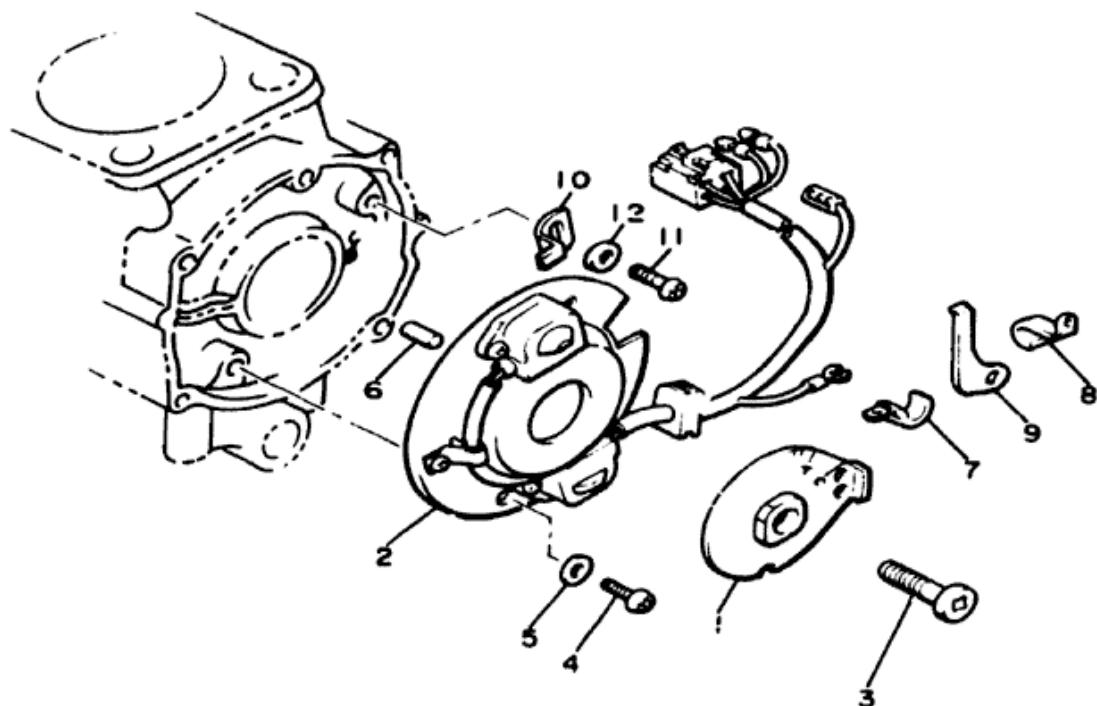
Ref. No.	Part Number	Description	Qty	Remarks
1	4H7-81600-10-00	A.C. GENERATOR ASS'Y	1	
2	4H7-81650-10-00	ROTOR ASS'Y.....	1	
3	4H7-81610-10-00	STATOR ASS'Y.....	1	
4	4H7-81619-10-00	BRUSH HOLDER ASS'Y.....	1	
5	4G0-81611-10-00	BRUSH 1 (4H7-81611-10)....	1	
6	4G0-81612-10-00	BRUSH 2 (4H7-81612-10)....	1	
7	98511-04C12-00	SCREW, pan head	2	
8	92901-04600-00	WASHER, spring (92901-04100)....	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	90201-061A5-00	WASHER (92901-06500)	2	
13	92990-06100-00	WASHER, spring (92903-06100).....	2	

CHARGING SYSTEM	AC Generator / 3-Phase / Full Wave
Battery Model / Specific Gravity / Charge Rate	YB14L (12V14A) / 1.26 / 14A
Maximum Output	14V18A @ 5000 rpm
Field Coil Color Code / g	Gm ~ Brn / 4.00 ± 10%
Stator Coil Color Code / g	Whl ~ Whl / 0.440 ± 10%

35H110-3380



## PICKUP COIL - GOVERNOR

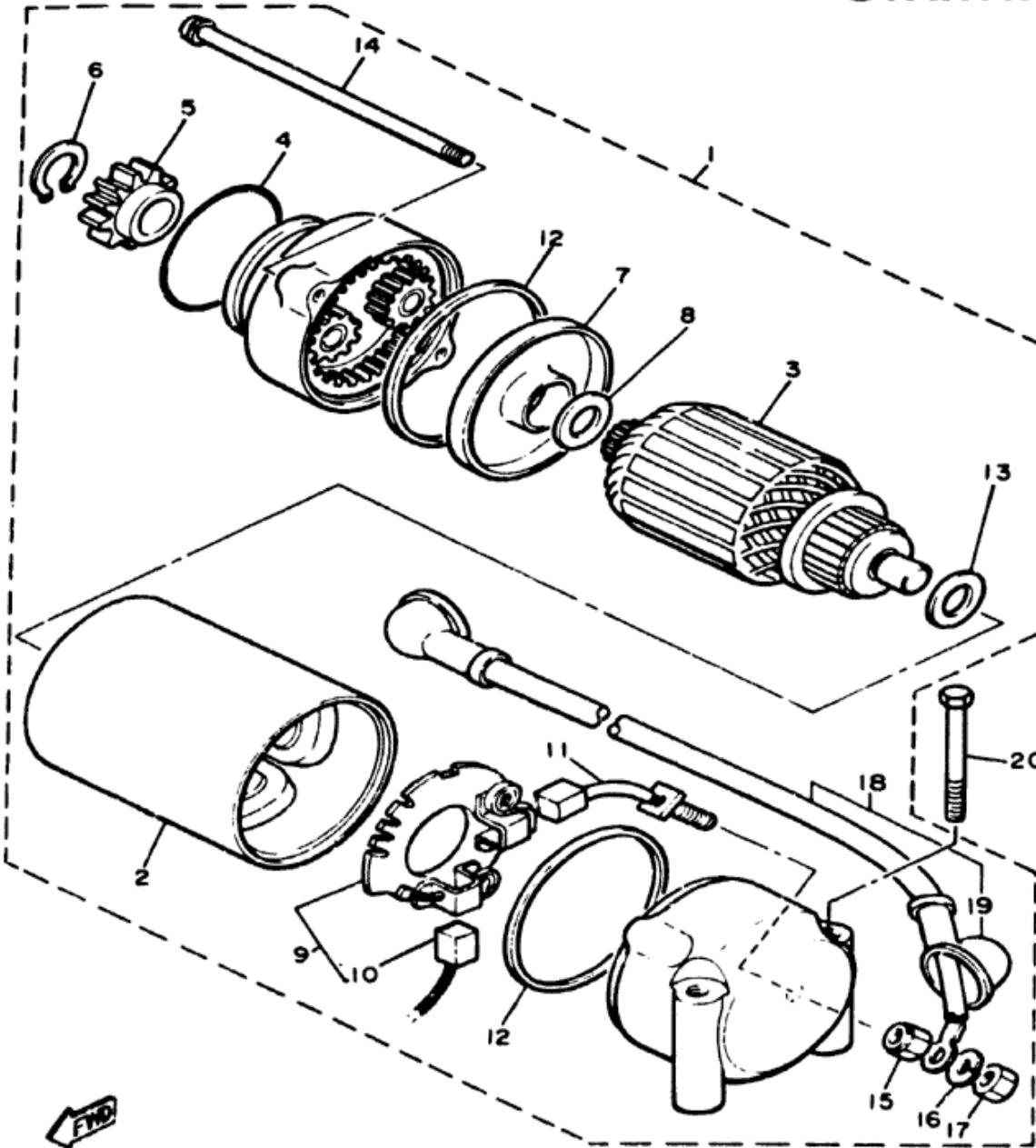


Ref. No.	Part Number	Description	Qty	Remarks
1	31A-81673-10-00	ROTOR .....	1	
2	31A-81671-10-00	BASE, pick up.....	1	
3	91318-08030-00	BOLT .....	1	
4	92580-06012-00	SCREW, pan head (92503-06012) .....	2	
5	90201-061A5-00	WASHER (92901-06600)	2	
6	93604-08071-00	PIN, dowel .....	1	
7	90465-08277-00	CLAMP (90465-08122)	1	
8	90465-08156-00	CLAMP .....	1	
9	90465-12160-00	CLAMP .....	1	
10	4H7-81632-00-00	PLATE, timing.....	1	
11	92580-06012-00	SCREW, pan head (92503-06012) .....	1	
12	92990-06200-00	WASHER, plain (92903-06200) .....	1	



31E171-3150

# STARTING MOTOR

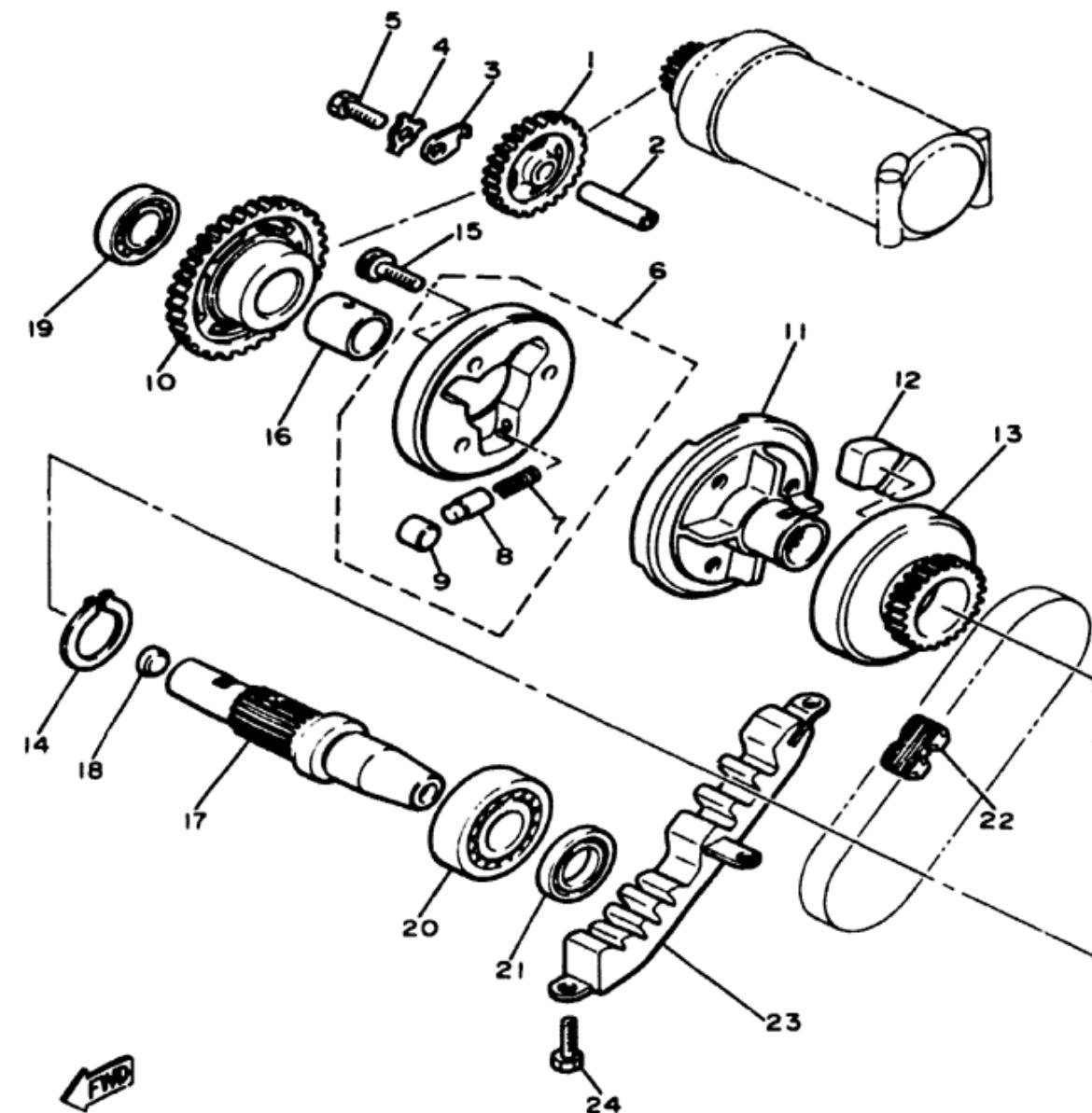


Ref. No.	Part Number	Description	Qty	Remarks
1	4K0-81800-50-00	STARTING MOTOR ASS'Y.....	1	
2	4K0-81810-01-00	. STATOR ASS'Y.....	1	
3	4H7-81850-00-00	. ARMATURE ASS'Y....	1	
4	4H7-81847-01-00	. O-RING.....	1	
5	4H7-15511-00-00	. GEAR, starting motor (13T) .....	1	
6	4H7-81819-00-00	. CIRCLIP .....	1	
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	4K0-81826-01-00	. BOLT.....	2	
15	4H7-81872-00-00	. NUT, special .....	1	
16	92990-06100-00	. WASHER, spring (92903-06100) .....	1	
17	95301-06600-00	. NUT (95302-06600) .....	1	
18	4H7-81815-00-00	. WIRE, starter.....	1	
19	4H7-81871-00-00	. CAP .....	2	
20	95801-06060-00	. BOLT, flange.....	1	

FWD

4H7110-1152

# STARTER CLUTCH

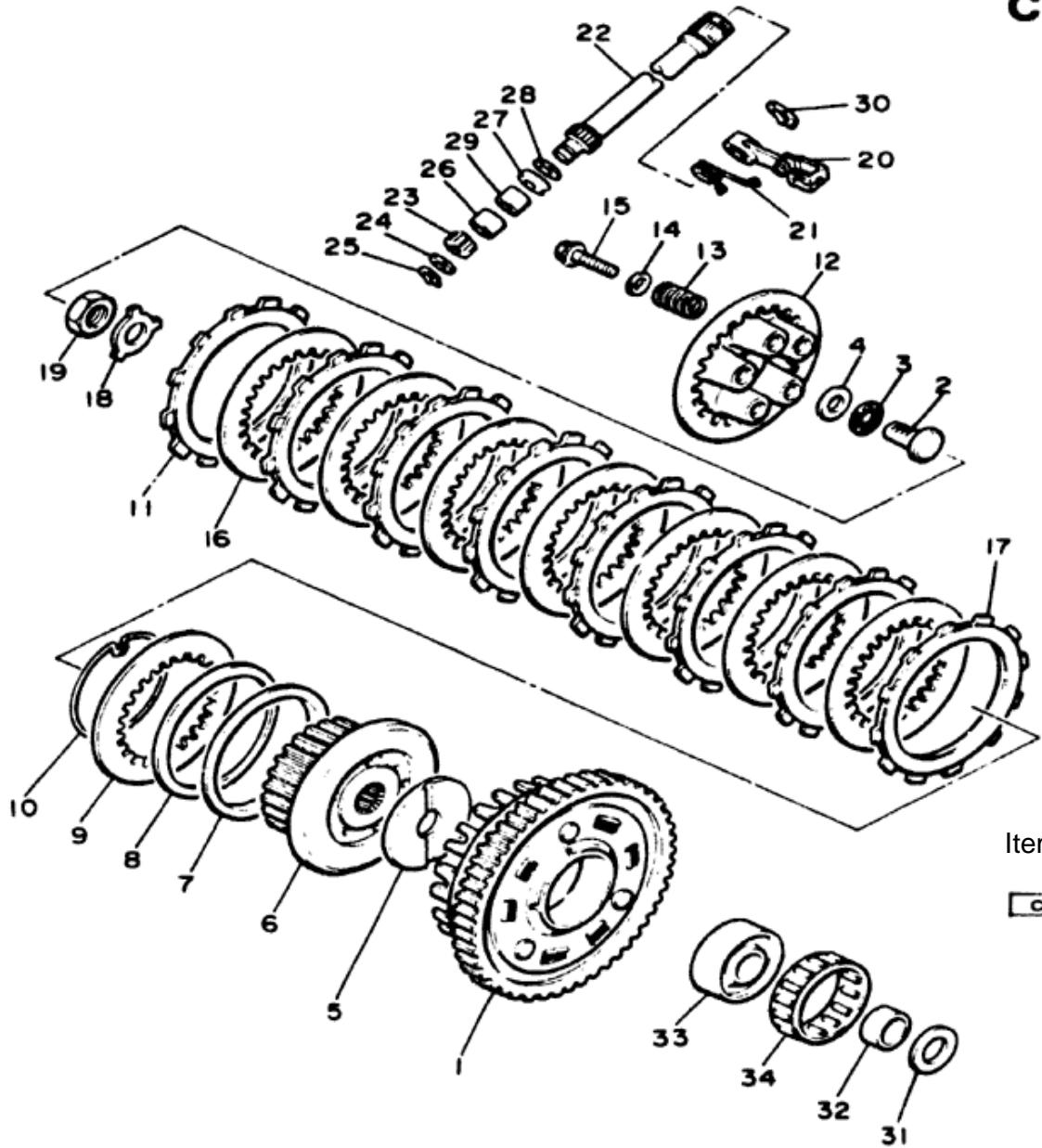


Ref. No.	Part Number	Description	Qty	Remarks
1	4H7-15512-00-00	GEAR, idler 1 (27T) . . . . .	1	
2	4H7-15521-00-00	SHAFT 1 . . . . .	1	
3	2H7-15531-00-00	PLATE, stopper. . . . .	1	
4	90215-06040-00	WASHER, lock . . . . .	1	
5	97301-06018-00	BOLT . . . . .	1	
6	31A-15580-00-00	STARTER CLUTCH OUTER ASS'Y. . . . .	1	
7	90501-04603-00	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	91318-08014-00	BOLT . . . . .	3	
16	90387-202A7-00	COLLAR. . . . .	1	
17	4H7-15522-00-00	SHAFT 2 . . . . .	1	
18		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	4H7-11474-01-00	GUIDE, upper (4H7-11474-00) . . . . .	1	
24	97301-06014-00	BOLT . . . . .	3	

FWD

17Y700-2200

# CLUTCH



Ref. No.	Part Number	Description	Qty	Remarks
* 1	31A-16150-00-00	PRIMARY DRIVEN GEAR COMP. (97T)	1	
2	4H7-16356-00-00	ROD, push 1	1	
3	93340-21505-00	BEARING	1	
4	90201-151A7-00	WASHER, plate	1	
5	4H7-16154-00-00	PLATE, thrust 1	1	
6	31A-16371-00-00	BOSS, clutch	1	
7	1J7-16384-00-00	PLATE, seat	1	
8	5G2-16383-00-00	SPRING, clutch boss	1	
9	168-16324-00-00	PLATE, clutch 1	1	
10	1J7-16385-00-00	RING, clutch boss	1	
11	4H7-16321-00-00	PLATE, friction	7	
12	[31A-16351-00-00]	PLATE, pressure 1	1	
*13	90501-23763-00	SPRING, compression	5	
14	90201-061A5-00	WASHER, plate	5	
15	95821-06025-00	BOLT, flange	5	
16	31A-16325-00-00	PLATE, clutch 2	7	
17	31A-16321-00-00	PLATE, friction	1	
18	90215-20231-00	WASHER, lock	1	
19	90170-20327-00	NUT (90170-20257)	1	

\*Indicates new part numbers activated from March, 1986.

Item 14 on RK model only, deleted on RL model

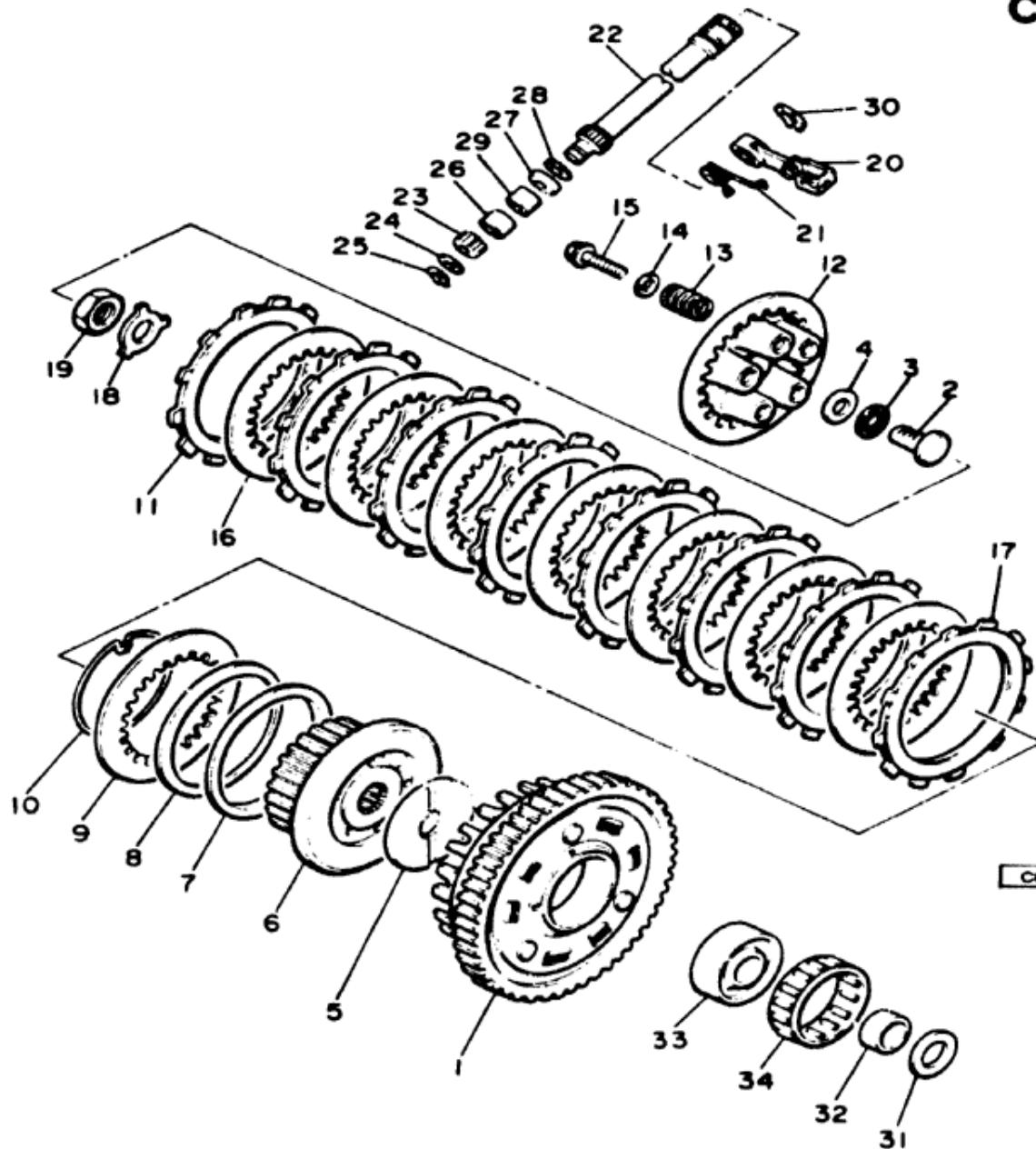
Clutch Nut

M20 7.0 m-kg



31E171-3180

# CLUTCH



Ref. No.	Part Number	Description	Qty	Remarks
20	4H7-16340-00-00	PUSH LEVER ASS'Y ...	1	
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	99001-07600-00	CIRCLIP (93430-07012)	1	
26	93317-11020-00	BEARING, cylindrical...	1	
27	93102-12224-00	OIL SEAL.....	1	
28	90201-12163-00	WASHER 1 (102-18137-00-10)....	1	
29	93315-11206-00	BEARING, cylindrical...	1	
30	99001-09600-00	CIRCLIP (93430-09035)	1	
31	2K7-16154-00-00	PLATE, thrust 1 .....	1	
32	90387-252AB-00	COLLAR.....	1	
33	4H7-16181-00-00	SPACER 1.....	1	
34	93310-365H3-00	BEARING, cylindrical...	1	

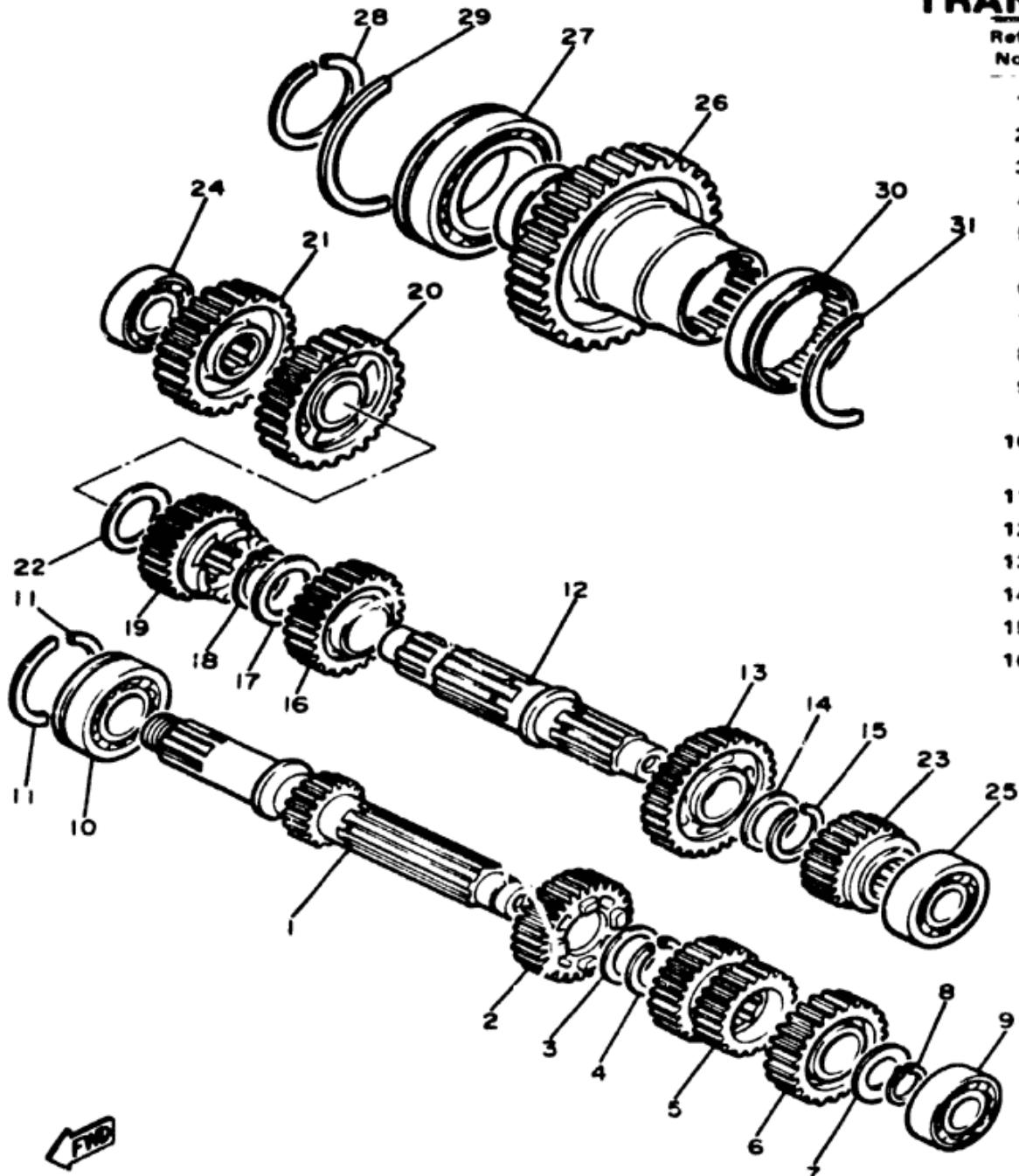
Clutch Nut

M20 7.0 m-kg



31E1 / .

# TRANSMISSION



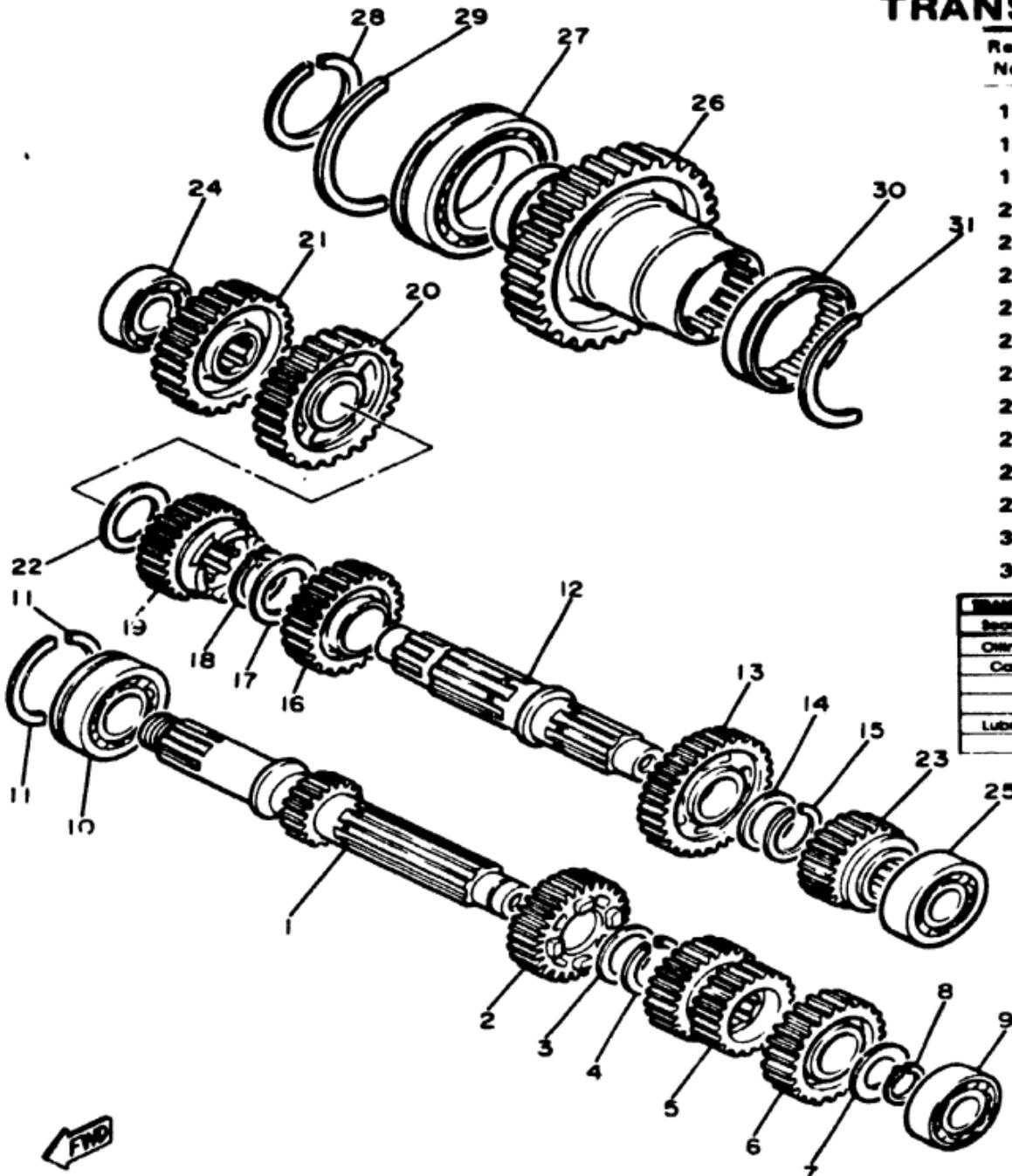
Ref. No.	Part Number	Description	Qty	Remarks
1	4H7-17401-00-00	MAIN AXLE ASS'Y (16T)	1	
2	4H7-17141-00-00	GEAR, 4th pinion (30T)	1	
3	90209-22191-00	WASHER.....	1	
4	93440-25084-00	CIRCLIP (93440-25019)	1	
5	4H7-17121-00-00	GEAR, 2nd/3rd pinion (20/26T).....	1	
6	4H7-17151-00-00	GEAR, 8th pinion (32T)	1	
7	90201-20276-00	WASHER, plate .....	1	
8	99009-20400-00	CIRCLIP .....	1	
9	93306-20453-00	BEARING (B6204) (93306-20418) .....	1	
10	93306-30628-00	BEARING (B6305Z) (93306-30632) .....	1	U.R.
11	278-17424-01-00	CIRCLIP 1 .....	2	
12	4H7-17402-01-00	DRIVE AXLE ASS'Y.....	1	
13	31A-17221-00-00	GEAR, 2nd wheel.....	1	
14	90209-22262-00	WASHER.....	1	
15	93440-25084-00	CIRCLIP (93440-25019)	1	
16	4H7-17231-01-00	GEAR, 3rd wheel (30T)	1	

TRANSMISSION - Oil Dose / Oil Change / Oil Drv.	See ENGINE Above
Secondary Drive type / Teeth / Chain	Shaft : 48-37 x 19-18 x 32-11 / 8
Oiling System	Wet Sump
Capacity Dry	3600cc
Oil and Filter Change	2600cc
Oil Change Only	2500cc
Lubricant Temp. Above 5°C (40°F)	Vermalube 4° or SAE 20W40 5W or 5F
Temp. Below 15°C (60°F)	SAE 10W30 5W or 5F



SN1700-2190

# TRANSMISSION



Ref. No.	Part Number	Description	Qty	Remarks
17	90209-25196-00	WASHER.....	1	
18	93440-28062-00	CIRCLIP .....	1	
19	4H7-17241-00-00	GEAR, 4th wheel (28T)	1	
20	4H7-17211-01-00	GEAR, 1st wheel (35T)	1	
21	4LS-17582-00-00	GEAR, middle drive (37T)	1	
22	90201-243A2-00	WASHER, plate .....	1	
23	16G-17251-00-00	GEAR, 5th wheel (26T)	1	
24	93306-30311-00	BEARING .....	1	
25	93306-20439-00	BEARING .....	1	
26	31A-17583-00-00	GEAR, middle driven ...	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	

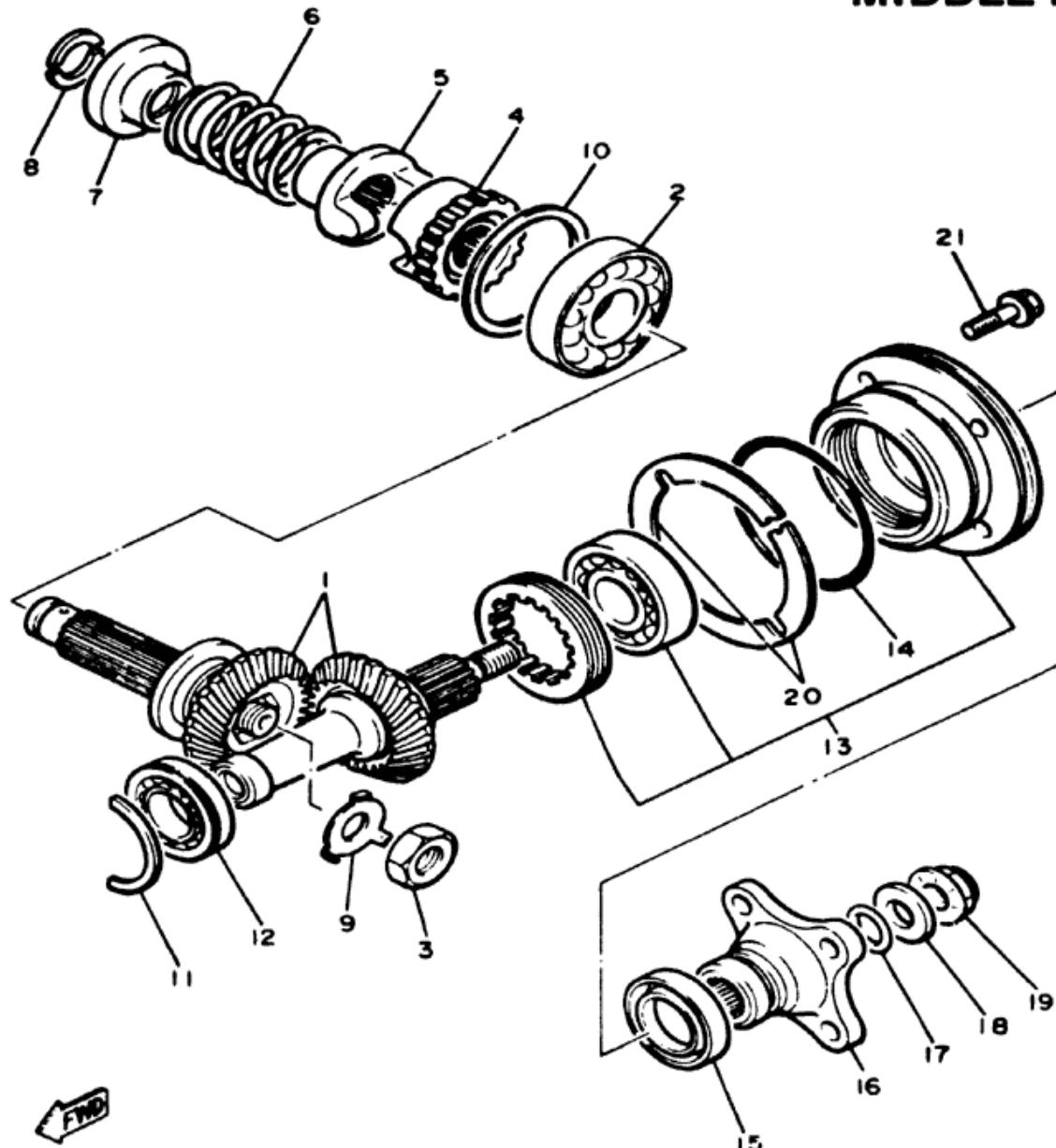
TRANSMISSION - CH Type / Std. Change / Std. Drv	See ENGINE Above
Secondary Drive Type / Teeth / Chain	Shaft : 48-37 x 19-18 x 32-11 / 6
Oiling System	Wet Sump
Capacity: Dry	3400cc
Oil and Filter Change	2800cc
Oil Change Only	2500cc
Lubricant: Temp. Above 8°C (40°F)	Yamalube 4T or SAE 20W40 SE or SF
Temp. Below 15°C (60°F)	SAE 10W30 SE or SF

Item 31 on RK model only



5N1700-2190

## MIDDLE DRIVE GEAR



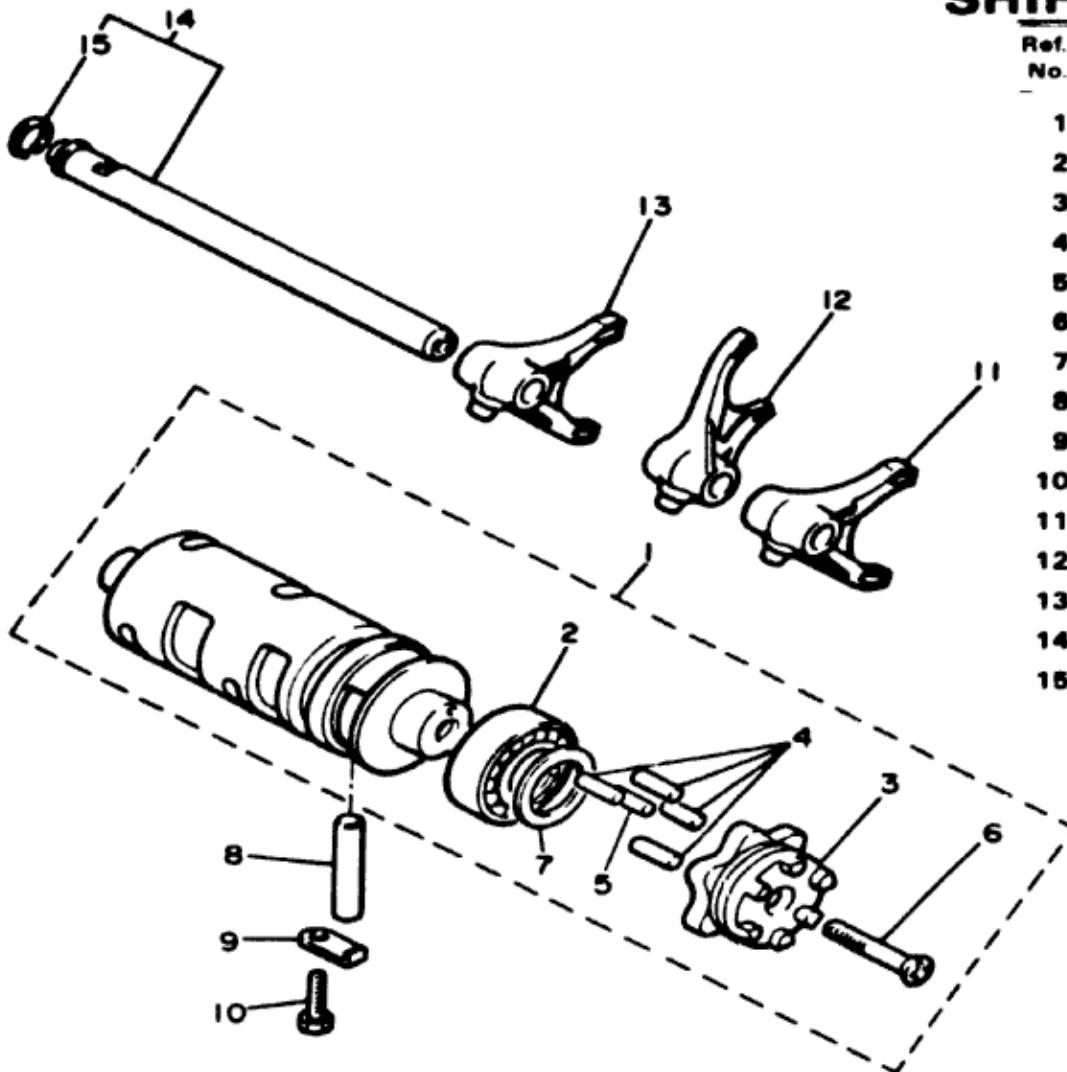
**FWD**

31E171-3200

Ref. No.	Part Number	Description	Qty	Remarks
1	31A-W1751-01-00	MIDDLE GEAR COMP.	1	
2	93306-20709-00	BEARING (B6207) .....	1	
3	90179-18360-00	NUT .....	1	
4	31A-17526-00-00	CAM, drive .....	1	
5	31A-17527-00-00	CAM, driven .....	1	
6	90501-70762-00	SPRING, compression	1	
7	4H7-17524-00-00	HOLDER .....	1	
8	3H5-17528-00-00	WASHER, thrust .....	2	
9	90215-23194-00	WASHER, lock .....	1	
10	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.
11	93440-47081-00	CIRCLIP .....	1	
12	93306-00508-00	BEARING (B6005) .....	1	
13	31A-W1752-00-00	HOUSING COMP.....	1	
14	93210-71360-00	O-RING .....	1	
15	93101-35097-00	UJL SEAL .....	1	
16	4H7-17555-00-00	FLANGE, middle gear ..	1	
17	93210-14359-00	O-RING .....	1	
18	90201-14633-00	WASHER, plate .....	1	
19	90179-14317-00	NUT .....	1	
20	4H7-17531-00-10	SHIM, pinion (0.10T) ...	1	U.R.
	4H7-17531-00-15	SHIM, pinion (0.15T) ...	1	U.R.
	4H7-17531-00-20	SHIM, pinion (0.20T) ...	1	U.R.
	4H7-17531-00-30	SHIM, pinion (0.30T) ...	1	U.R.
	4H7-17531-00-40	SHIM, pinion (0.40T) ...	1	U.R.
20	4H7-17531-00-40	SHIM, pinion (0.50T) (4H7-17531-00-50) ...	1	U.R.
21	95821-08030-00	BOLT, flange .....	4	

TRANSMISSION - GM 1000 / GM 1200 / GM 1300 / GM 1400	See ENGINE Above
Secondary Drive Type / Teeth / Chain	Short : 49-37 x 19-18 x 39-11 / 6

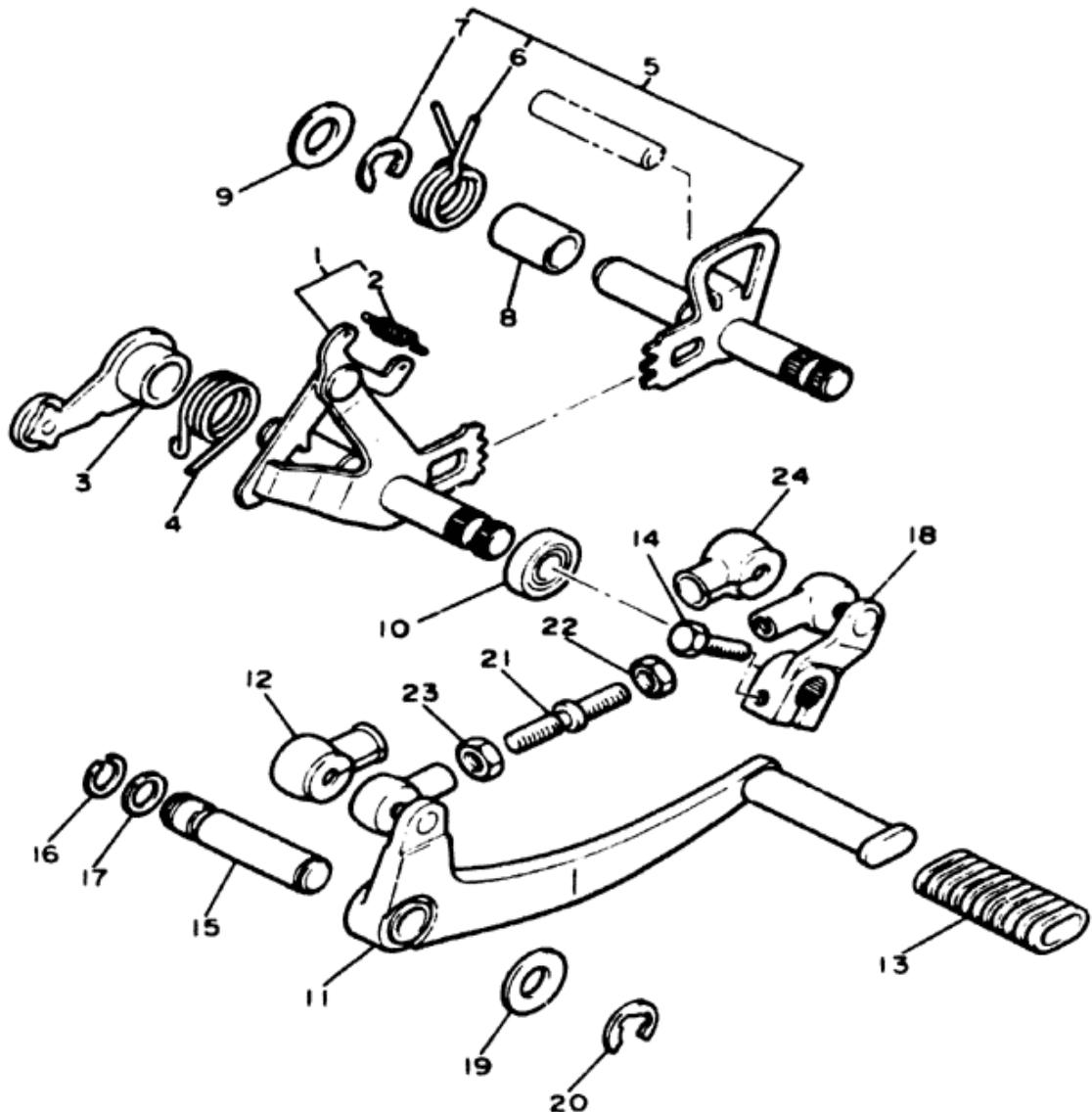
# SHIFT CAM - FORK



Ref. No.	Part Number	Description	Qty	Remarks
1	16G-18540-00-0	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	93608-43157-00	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	



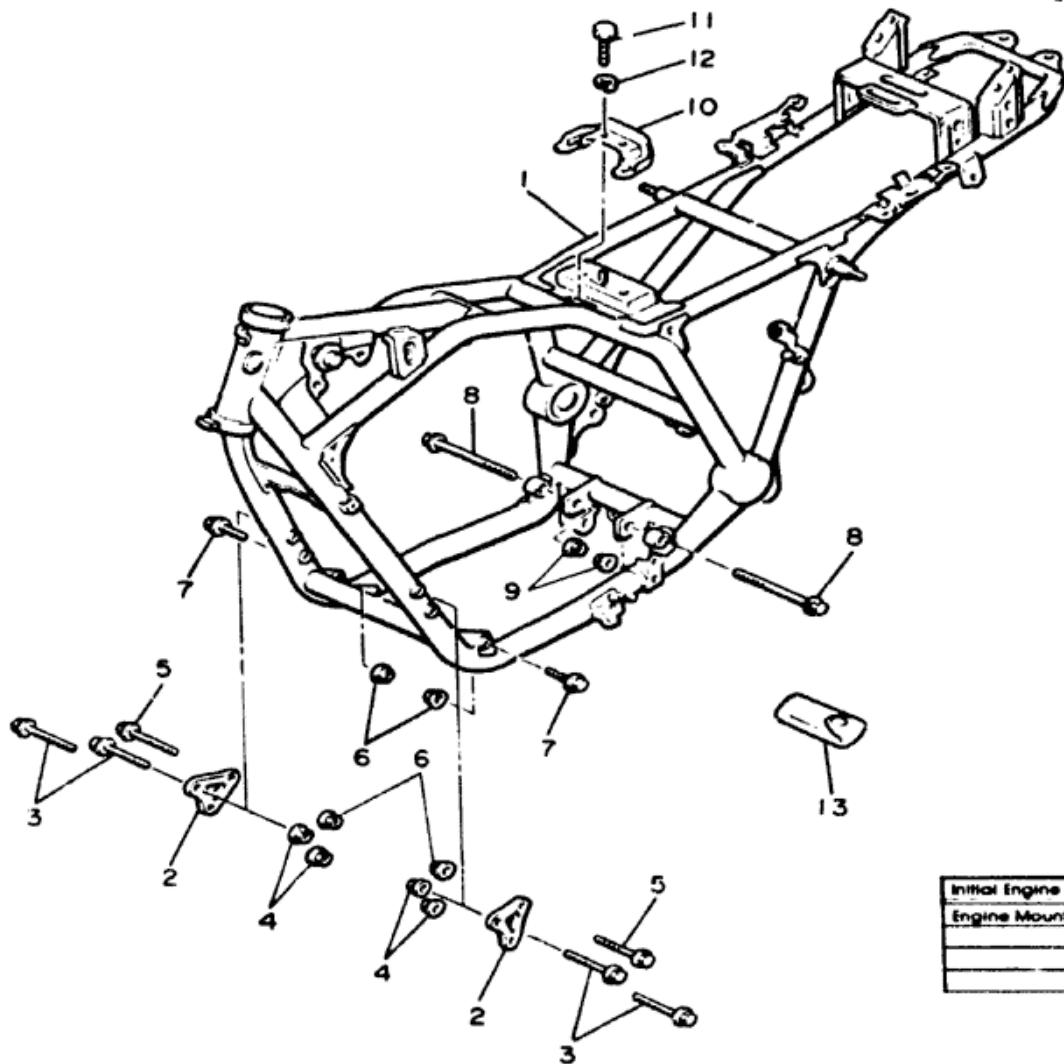
16G110-3241



## SHIFT SHAFT

Ref No.	Part Number	Description	Qty	Remarks
1	4KD-18101-00-00	SHIFT SHAFT ASS'Y...	1	
2	90506-08227-00	SPRING, tension.....	1	
3	4H7-18140-00-00	STOPPER LEVER ASS'Y	1	
4	90508-29530-00	SPRING, torsion.....	1	
5	4KD-18120-01-00	SHIFT LEVER ASS'Y...	1	
6	90508-32535-00	SPRING, torsion.....	1	
7	99001-10600-00	. CIRCLIP (93430-10016)	1	
8	90387-124F4-00	COLLAR.....	1	
9	90201-12166-00	WASHER, plate .....	1	
10	93102-12106-00	OIL SEAL.....	1	
11	31A-18111-00-00	PEDAL, shift.....	1	
12	2H9-18154-00-00	COVER, dust.....	1	
13	22N-18113-00-00	COVER, shift pedal .....	1	
14	97011-06020-00	BOLT (97321-06020)...	1	
15	4KD-18197-00-00	SHAFT.....	1	
16	93440-12066-00	CIRCLIP .....	1	
17	93210-09350-00	O-RING.....	1	
18	22N-18112-00-00	ARM, shift.....	1	
19	90201-124E4-00	WASHER, plate (90201-12688) .....	1	
20	99001-10600-00	CIRCLIP (93430-10016)	1	
21	4KD-18115-00-00	ROD, shift.....	1	
22	95303-06700-00	NUT .....	1	
23	90170-06228-00	NUT .....	1	
24	2H9-18154-00-00	COVER, dust.....	1	

# FRAME



Ref. No.	Part Number	Description	Qty	Remarks
1	5-21110-01-33	FRAME COMP.....	1	Yamaha Black
	21315-00-33	STAY, engine 2.....	2	Yamaha Black
3	9-05-08278-00	BOLT, washer based....	4	
4	90179-08246-00	NUT.....	4	
5	90105-10169-00	BOLT, washer based....	2	
6	90179-10247-00	NUT.....	4	
7	90105-10038-00	BOLT, washer based....	2	
8	90105-12208-00	BOLT, washer based....	2	
9	90179-12421-00	NUT (90179-12248)....	2	
10	31A-21147-00-00	BRACKET, air cleaner 1	1	
11	97306-06012-00	BOLT.....	2	
12	92906-06100-00	WASHER, spring.....	2	
13	31A-28100-00-00	TOOL KIT.....	1	

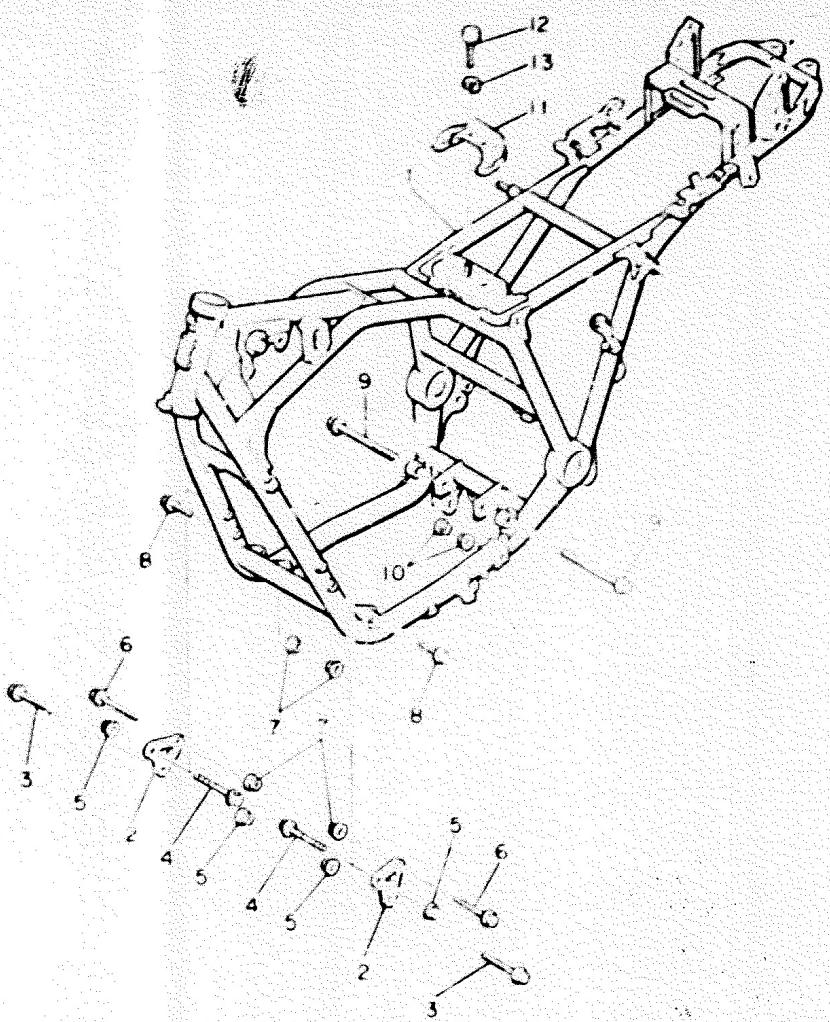
Initial Engine Number / Frame Number	36H-000101 / JYA36H001 JDA000101
Engine Mounting Bolts Front Upper	M10 42 m-kg
Front, Lower	M10 42 m-kg
Front, Bracket	M8 20 m-kg
Rear Lower	M12 70 m-kg



35H110-3200

FIG. 20 FRAME

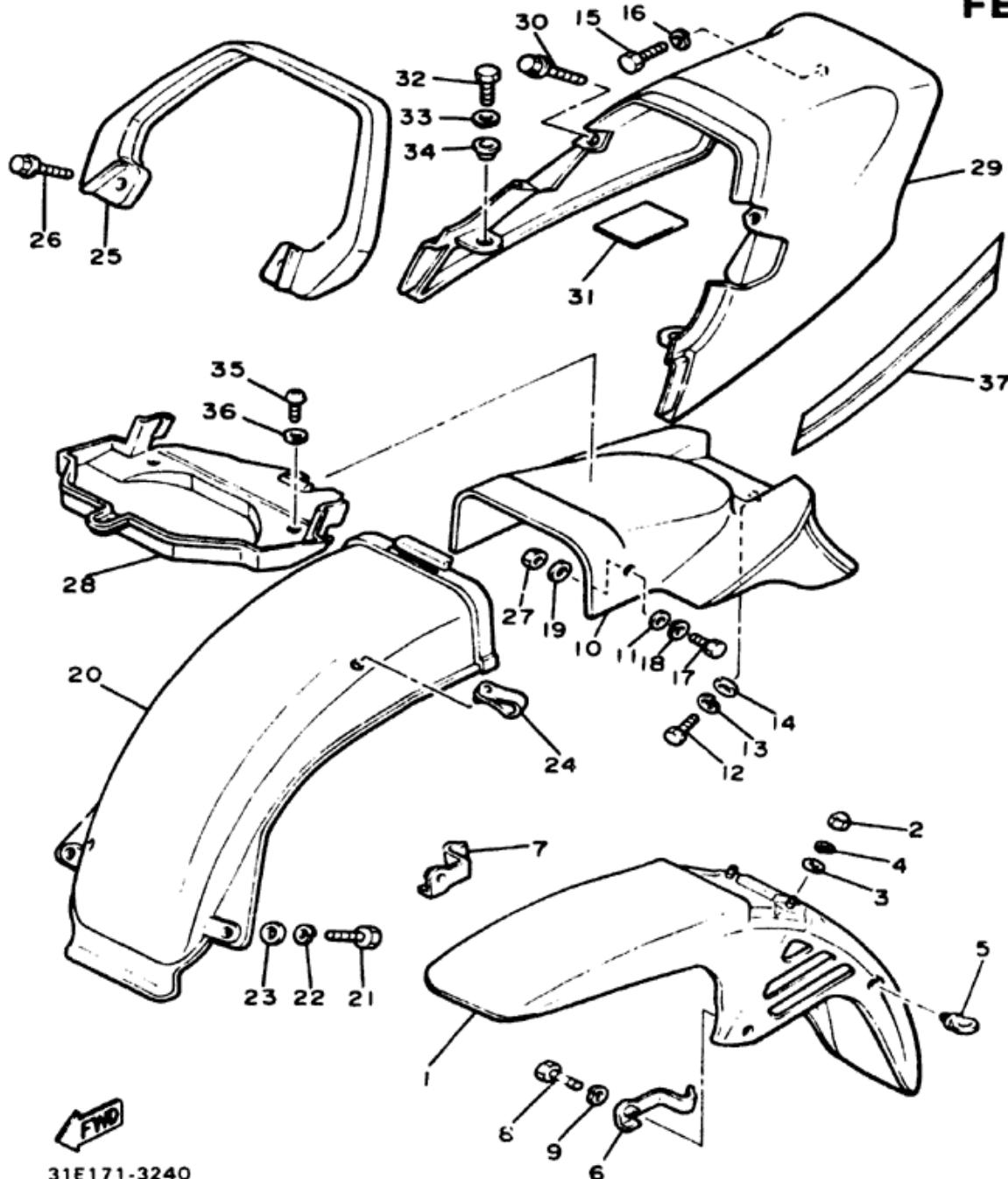
REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	45T-21110-00-33	FRAME COMP.	1	yamaha black
2	31A-21315-00-33	STAY, engine 2	2	yamaha black
3	90105-08278	BOLT, washer based	2	
4	95816-08070	BOLT, flange	2	
5	90179-08246	NUT	4	
6	90105-10169	BOLT, washer based	2	
7	90179-10247	NUT	4	
8	90105-0038	BOLT, washer based	2	
9	90105-12206	BOLT, washer based	2	
10	90179-12248	NUT	2	
11	31A-21147-00	BRACKET, air cleaner 1	1	
12	97306-06012	BOLT	2	
13	92906-06100	WASHER, spring	2	



42N300-4200

FWD

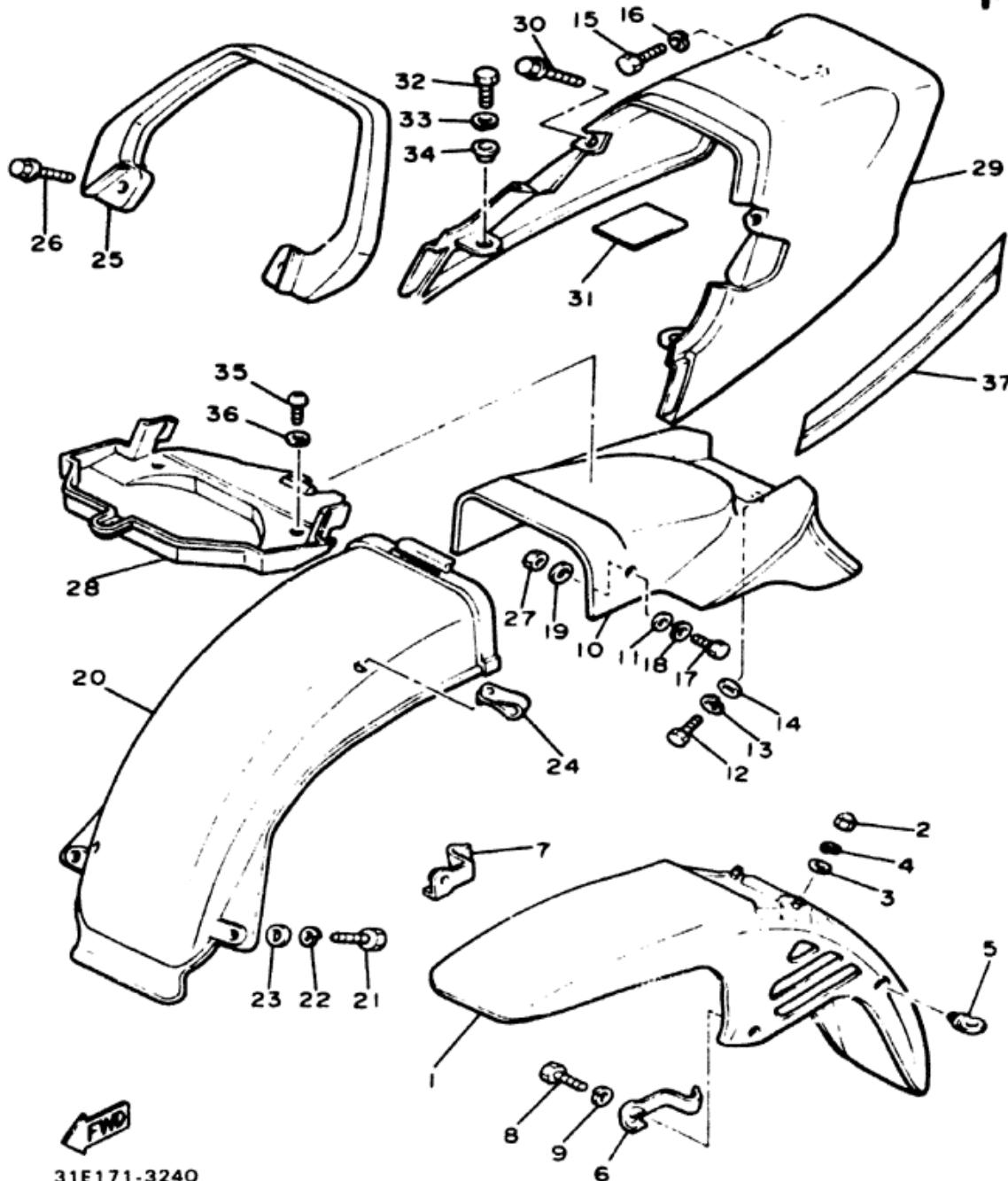
## FENDER



Ref. No.	Part Number	Description	Qty	Remarks
1	31A-21510-00-2U	FRONT FENDER COMP.	1	Super Red
2	95303-06800-00	NUT, crown.....	2	
3	92990-06200-00	WASHER, plain (92903-06200) .....	2	
4	92990-06100-00	WASHER, spring (92903-06100) .....	2	
5	1AB-21518-00-00	HOLDER, cable.....	1	
6	31A-21523-00-00	PLATE 1.....	1	
7	31A-21524-00-00	PLATE 2.....	1	
8	97301-06016-00	BOLT .....	2	
9	92990-06100-00	WASHER, spring (92903-06100) ..	2	
10	31E-21611-00-00	FENDER, rear.....	1	
11	90201-06067-00	WASHER, plate .....	4	
12	97313-08016-00	BOLT (97321-08016)...	2	
13	92990-08100-00	WASHER, spring (92902-08100) .....	2	
14	92901-08600-00	WASHER, plate (92902-08600) .....	2	
15	97306-06016-00	BOLT .....	2	
16	92906-06100-00	WASHER, spring .....	2	
17	97301-06016-00	BOLT .....	2	
18	92990-06100-00	WASHER, spring (92903-06100) .....	2	
19	90201-061A5-00	WASHER, plate (92901-06600) .....	2	

31E171-3240

## FENDER

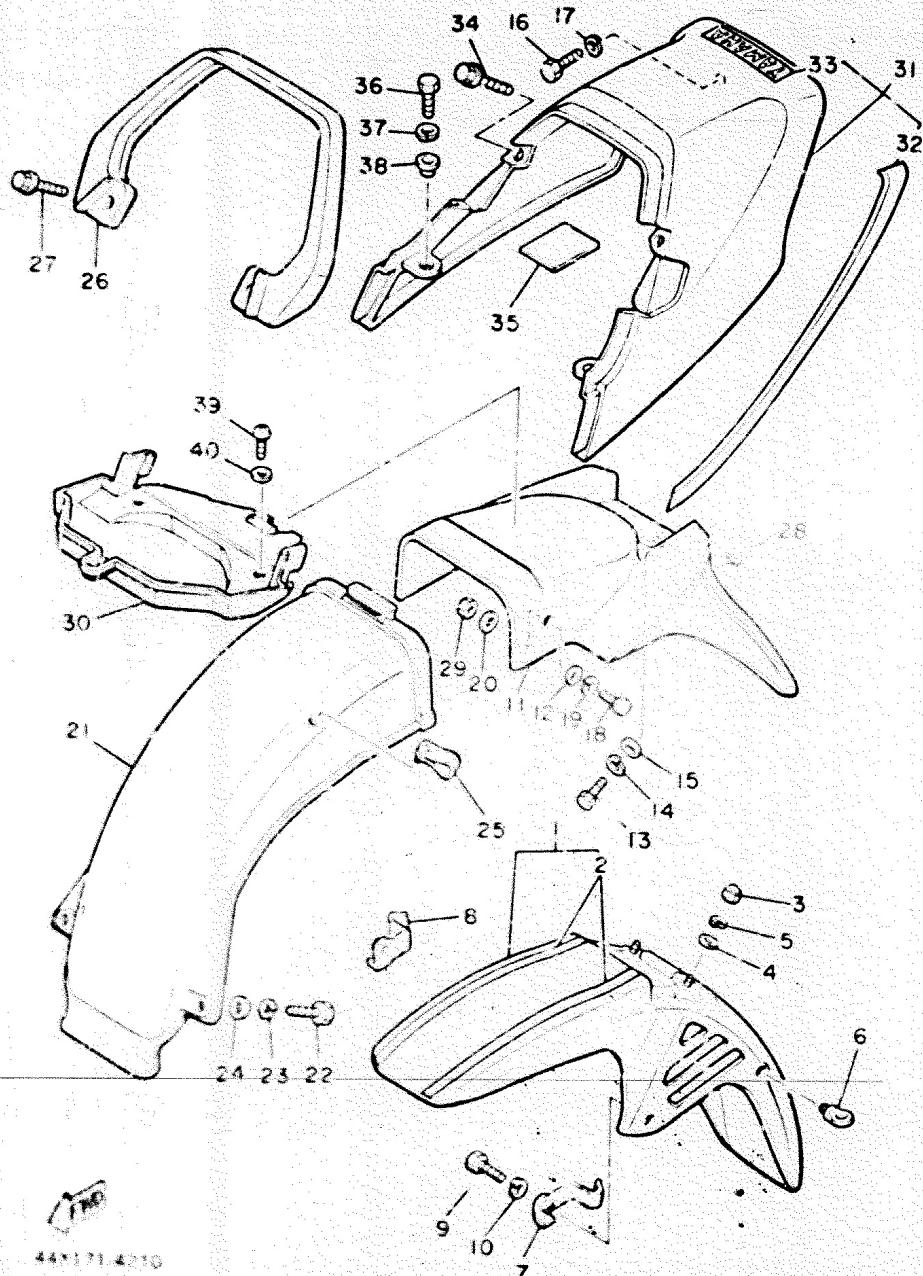


31E171-3240



Ref. No.	Part Number	Description	Qty	Remarks
20	31A-21629-00-00	GUARD, mud .....	1	
21	97301-06016-00	BOLT .....	2	
22	92990-06100-00	WASHER, spring (92903-06100) .....	2	
23	90201-06067-00	WASHER, plate .....	2	
24	90464-12027-00	CLAMP .....	2	
25	31A-21645-00-00	STAY, rear .....	1	
26	95821-06025-00	BOLT, flange (95822-06025) .....	2	
27	[95316-06600-00]	NUT .....	2	
28	31A-21653-00-00	BOX .....	1	
29	31A-21651-00-2U	COVER, rear fender .....	1	Super Red
30	90119-06044-00	BOLT, w/washer .....	2	
31	31A-21638-00-00	DAMPER 1 .....	3	
32	97301-06016-00	BOLT .....	2	
33	92990-06100-00	WASHER, spring (92903-06100) .....	2	
34	90387-06500-00	COLLAR .....	2	
35	98506-05010-00	SCREW, pan head .....	3	
36	92906-05600-00	WASHER, plate .....	3	
37	31A-21660-30-00	GRAPHIC .....	1	For Red

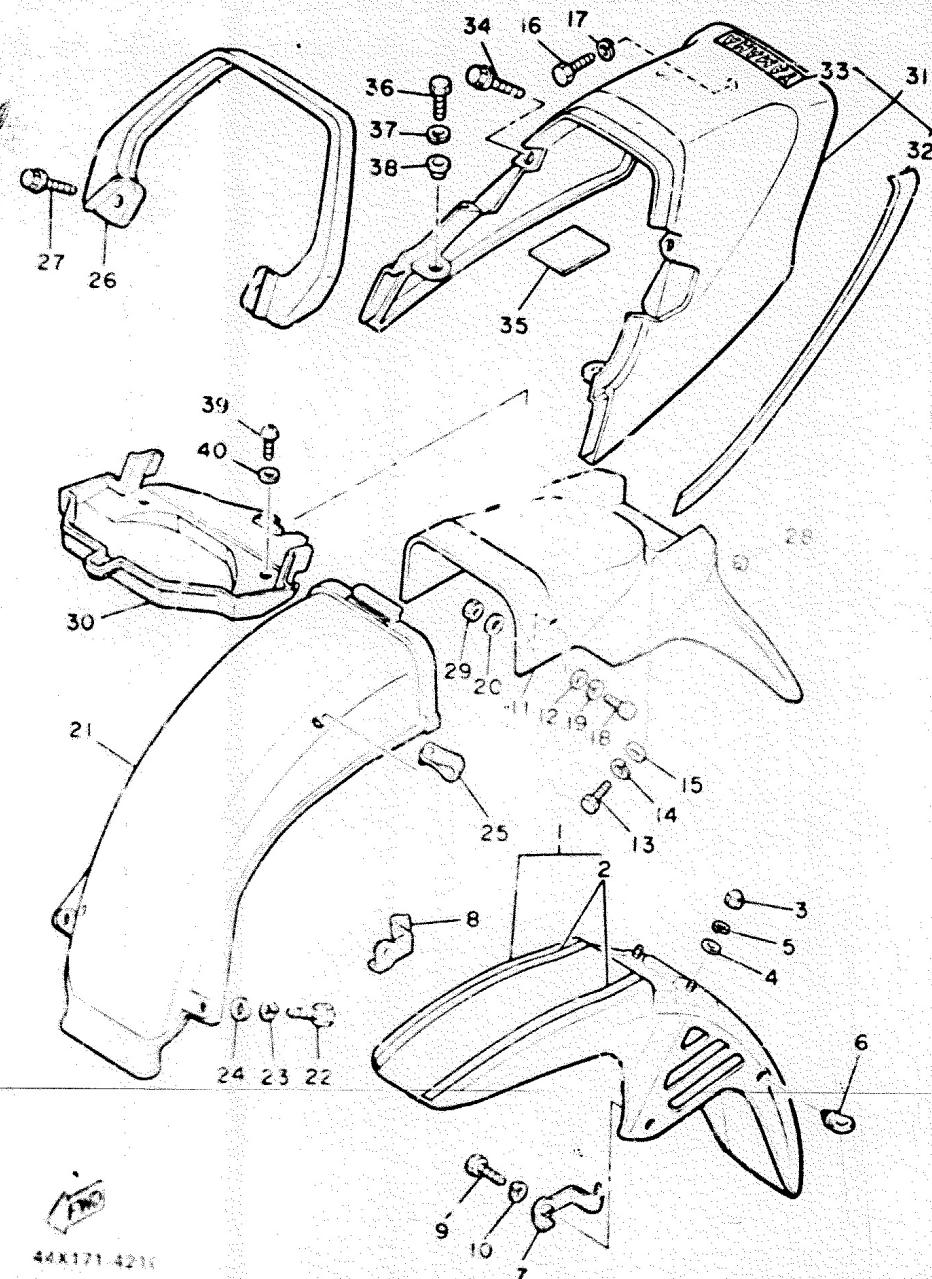
FIG. 21 FENDER



REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	44X-21501-00-3X	FRONT FENDER COMP.	1	stormy red/silky white
2	44X-21570-00	•GRAPHIC SET, front fender	1	
3	95303-06800	NUT, crown	2	
4	92903-06200	WASHER, Plain	2	
5	92903-06100	WASHER, sPring	2	
6	1A8-21518-00	HOLDER, cable	1	
7	31A-21523-00	PLATE 1	1	
8	31A-21524-00	PLATE 2	1	
9	97301-06016	BOLT	2	
10	92901-06100	WASHER, ePring	2	
11	31A-21611-00	FENDER, rear	1	
12	90201-06765	WASHER, Plate	2	
13	97322-08016	BOLT	2	
14	92902-08100	WASHER, sPring	2	
15	92902-08600	WASHER, Plate	2	
16	97306-06016	BOLT	2	
17	92906-06100	WASHER, sPring	2	
18	97301-06016	BOLT	2	
19	92901-06100	WASHER, sPring	2	
20	92901-06600	WASHER, Plate	2	
21	31A-21629-00	GUARD, mud	1	
22	97301-06016	BOLT	2	
23	92901-06100	WASHER, sPring	2	
24	90201-06067	WASHER, Plate	2	
25	90464-12027	CLAMP	2	
26	31A-21645-00	STAY, rear	1	
27	95822-08025	BOLT, flange	2	
28	4G0-21639-00	DAMPER 2	1	

D2

**FIG. 21 FENDER**

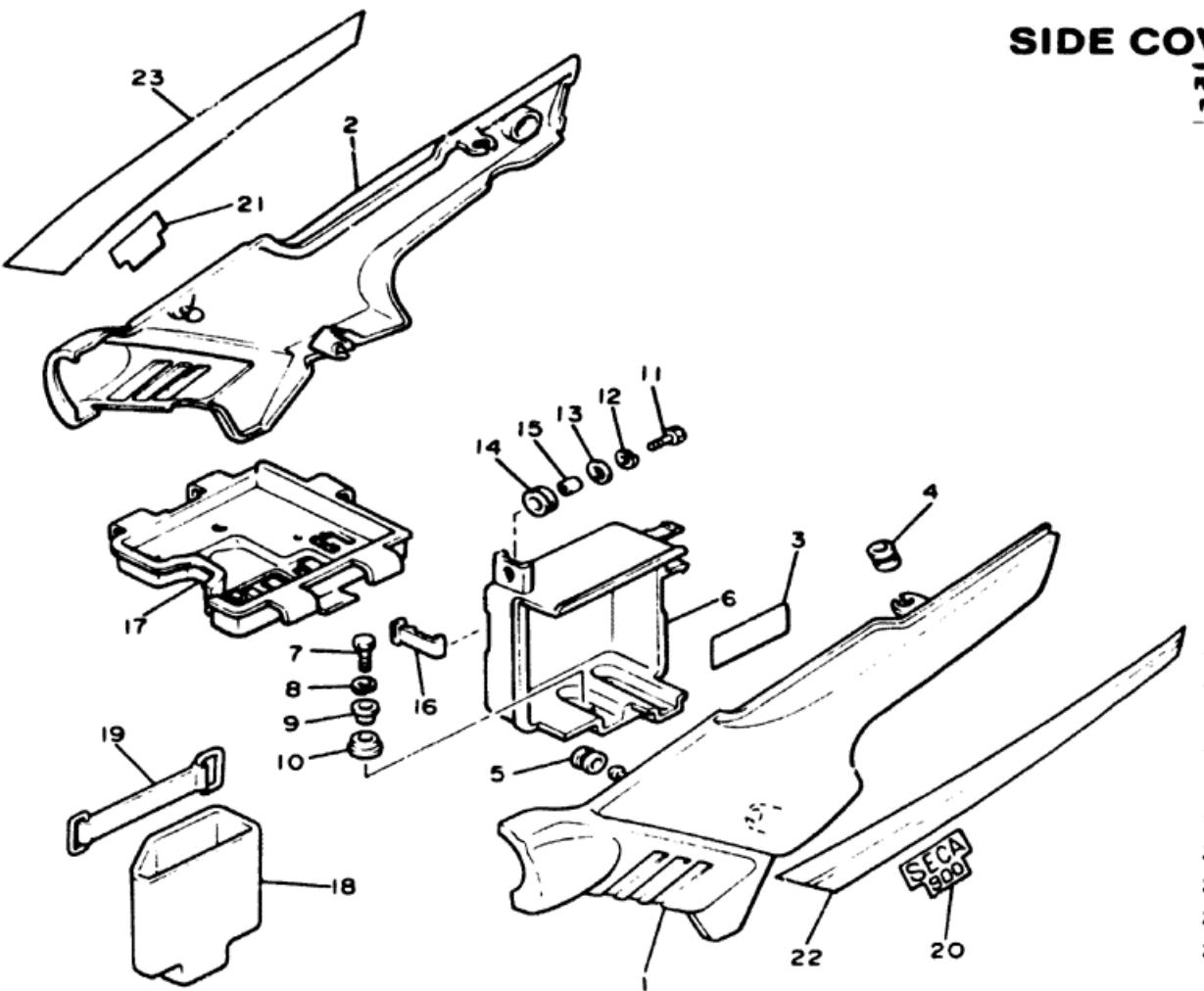


REF.	NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
29	95316-06600	NUT		2	
30	31A-21653-00	BOX		1	
31	31A-W21E5-00-03	COVER, rear fender		1	stormy red/silky white
32	44X-21680-01	GRAPHIC		1	
33	44X-28338-00	EMBLEM		1	
34	90119-06044	BOLT, with washer		2	
35	31A-21638-00	DAMPER 1		3	
36	97301-06016	BOLT		2	
37	92901-06100	WASHER, spring		2	
38	90387-06500	COLLAR		2	
39	98506-05010	SCREW, Pan head		3	
40	92906-05600	WASHER, Plate		3	

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D<sub>3</sub>

## SIDE COVER



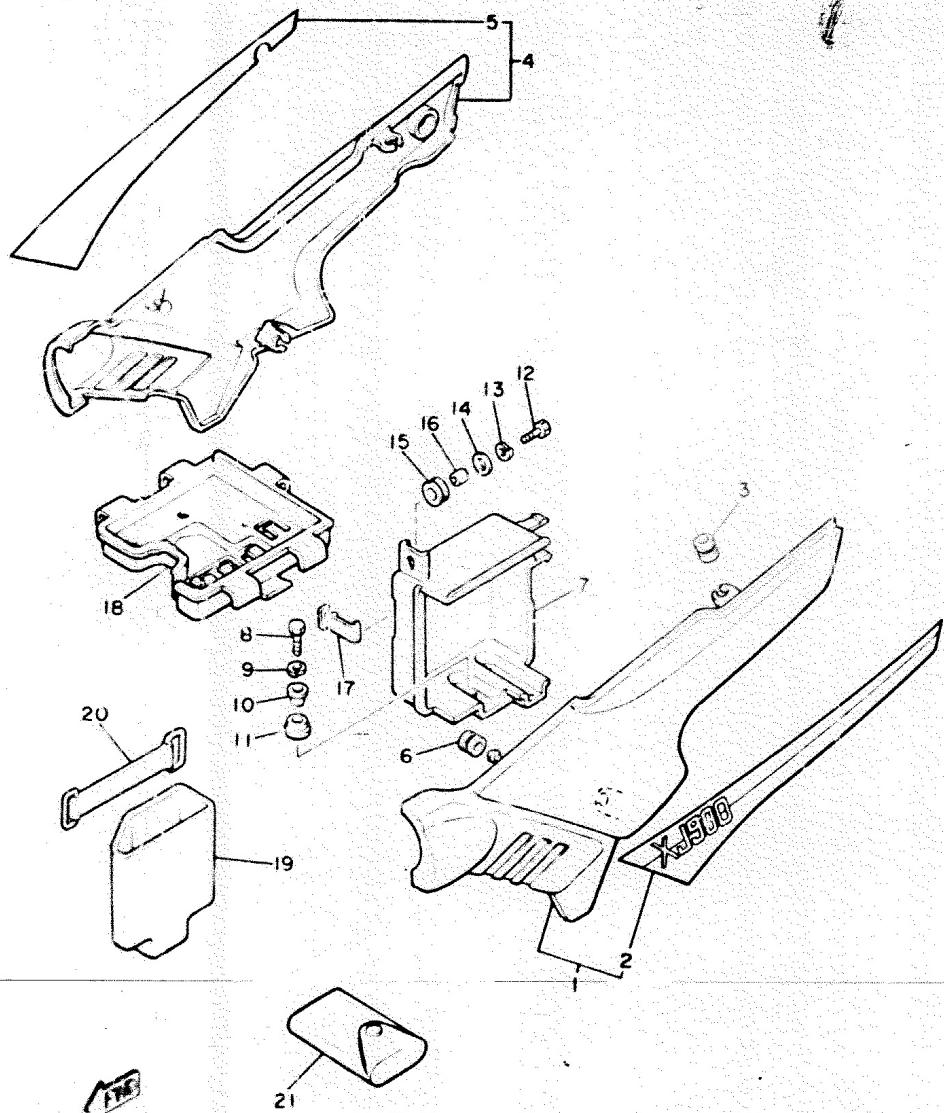
Ref. No.	Part Number	Description	Qty	Remarks
1	31A-21711-01-1X	COVER, side 1 (31A-21711-00-1X) . . .	1	Super Red/ Low Gloss Blk
2	31A-21721-01-1X	COVER, side 2 (31A-21721-00-1X) . . .	1	Super Red/ Low Gloss Blk
3	35H-21683-20-00	PLATE, specification . . .	1	
4	90480-12053-00	GROMMET . . .	4	
5	90480-01141-00	GROMMET . . .	2	
6	31A-21240-00-00	BOX COMP. . .	1	
7	97313-08025-00	BOLT (97321-08025) . . .	1	
8	92990-06100-00	WASHER, spring (92903-06100) . . .	1	
9	90387-09617-00	COLLAR . . .	1	
10	4H7-21746-00-00	DAMPER . . .	1	
11	97311-06025-00	BOLT (97321-06025) . . .	1	
12	92990-06100-00	WASHER, spring (92903-06100) . . .	1	
13	90201-06407-00	WASH.L.R, plate . . .	1	
14	90480-16233-00	GROMMET . . .	1	
15	90387-060A7-00	COLLAR . . .	1	
16	4H7-2175R-00-00	HOOK, bank . . .	1	
17	31A-21170-00-00	BOX COMP. . .	1	
18	31A-21245-00-00	BOX . . .	1	
19	133-82131-00-00	BAND, battery . . .	1	
20	35H-21781-00-00	EMBLEM 1 . . .	1	
21	35H-21782-00-00	EMBLEM 2 . . .	1	
22	31A-2173E-30-00	GRAPHIC 1 . . .	1	
23	31A-2173F-30-00	GRAPHIC 2 . . .	1	

For Red  
For Red



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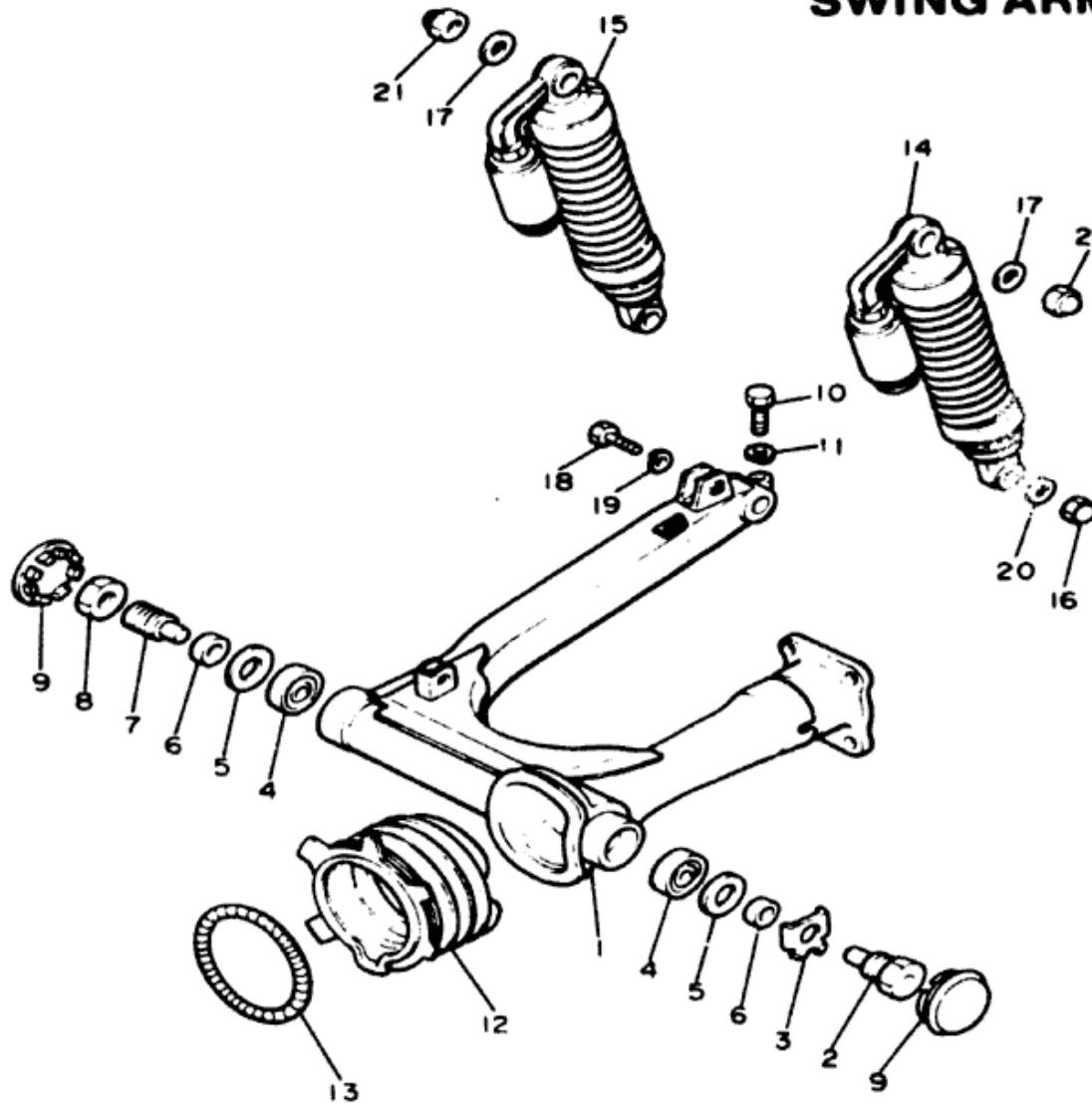
FIG. 22 SIDE COVER



REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	31A-W2175-00-16	SIDE COVER 1	1	stormy red/silky white
2	48G-2173E-01	•GRAPHIC 1	1	
3	90480-12053	GROMMET	4	
4	48G-21720-01-6X	SIDE COVER ASSY 2	1	stormy red/silky white
5	48G-2173F-01	•GRAPHIC 2	1	
6	90480-01401	GROMMET	2	
7	31A-21240-00	BOX COMP.	1	
8	97322-08025	BOLT	1	
9	92902-08100	WASHER, spring	1	
10	90387-09617	COLLAR	1	
11	4H7-21746-00	DAMPER	1	
12	97322-06025	BOLT	1	
13	92902-06100	WASHER, spring	1	
14	90201-06407	WASHER, Plate	1	
15	90480-16233	GROMMET	1	
16	90387-060A7	COLLAR	1	
17	4H7-2175R-00	HOOK, bank	1	
18	31A-21170-00	BJX COMP.	1	
19	31A-21245-00	BOX	1	
20	133-82131-00	BAND, battery	1	
21	31A-28100-00	TOOL KIT	1	

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## SWING ARM - REAR SHOCKS

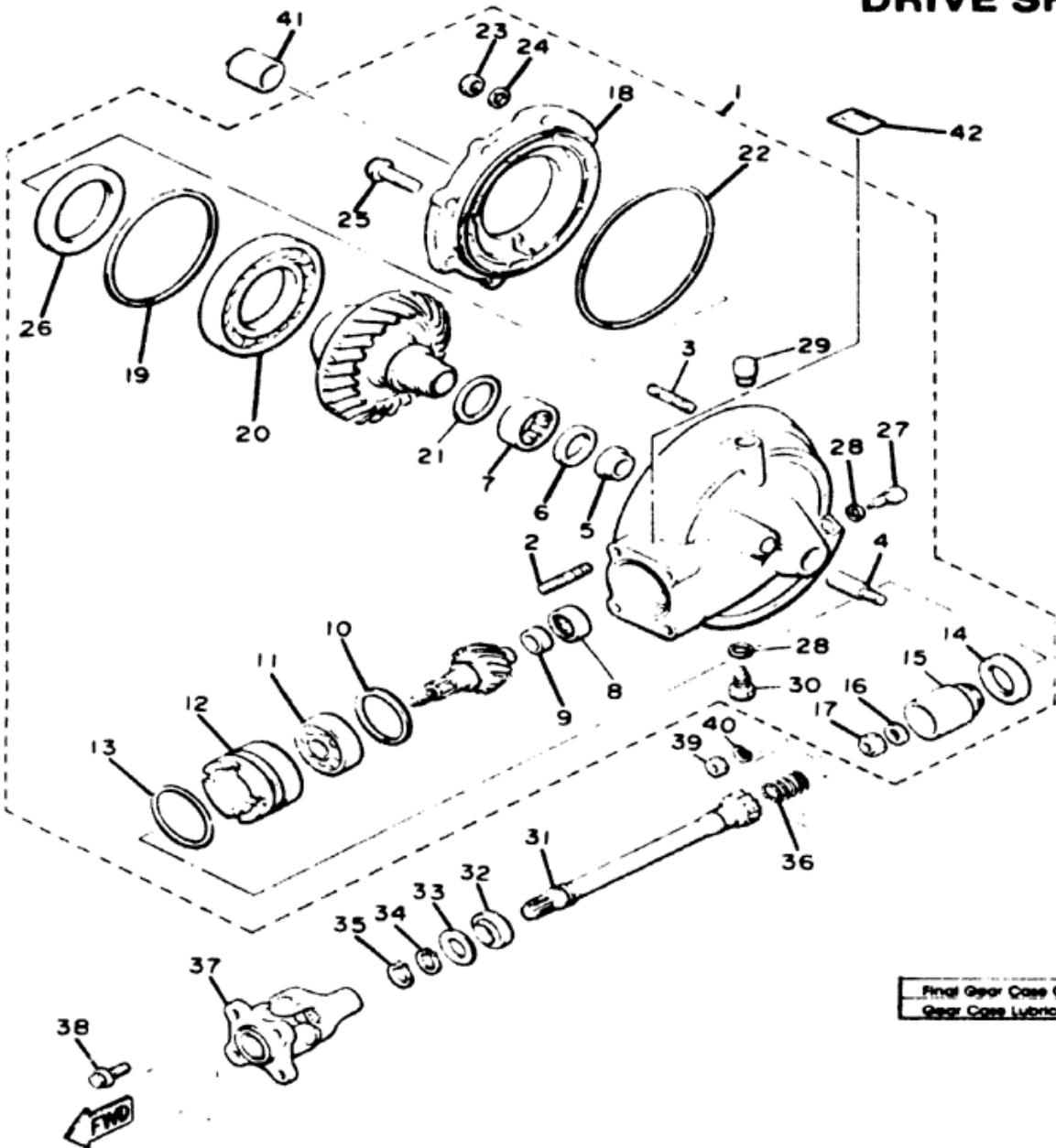


Ref. No.	Part Number	Description	Qty	Remarks
1	31A-22110-02-35	REAR ARM COMP. . . . .	1	Silver
2	4H7-22141-00-00	SHAFT, pivot . . . . .	1	
3	90215-22171-00	WASHER, lock . . . . .	1	
4	93332-00010-00	BEARING . . . . .	2	
5	93102-25017-00	OIL SEAL . . . . .	2	
6	90387-17543-00	COLLAR . . . . .	2	
7	1J7-22141-00-00	SHAFT, pivot . . . . .	1	
8	1J7-22143-00-00	NUT . . . . .	1	
9	5G2-2219X-00-00	COVER . . . . .	2	
10	97308-08035-00	BOLT . . . . .	1	
11	92908-08100-00	WASHER, spring . . . . .	1	
12	4H7-22189-00-00	BOOT, rubber . . . . .	1	
13	90508-07136-00	SPRING, tension . . . . .	1	
14	31A-22210-01-00	SHOCK ABSORBER ASS'Y, rear . . . . .	1	
15	31A-22210-11-00	SHOCK ABSORBER ASS'Y, rear . . . . .	1	
16	90176-10013-00	NUT, crown . . . . .	1	
17	90201-10142-00	WASHER, plate . . . . .	2	
18	90106-10030-00	BOLT . . . . .	1	
19	92990-10100-00	WASHER, spring (92903-10100) . . . . .	1	
20	90201-10140-00	WASHER, plate . . . . .	1	
21	90176-10009-00	NUT, crown . . . . .	2	

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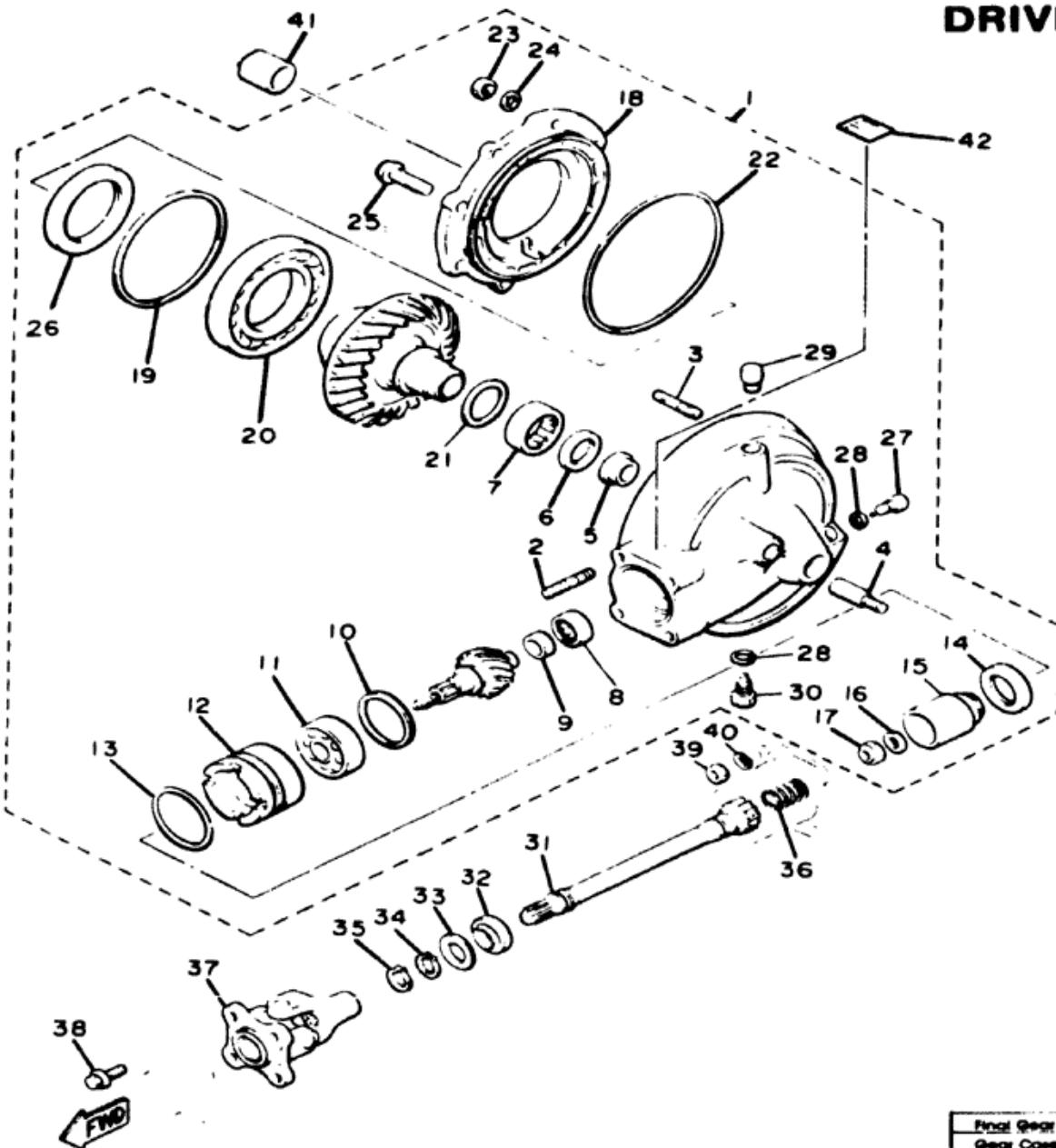
# DRIVE SHAFT



Ref. No.	Part Number	Description	Qty	Remarks
1	31A-46101-00-00	REAR AXLE GEAR CASE ASS'Y.....	1	
2	90116-10361-00	BOLT, stud (90116-10362).....	4	
3	90116-08360-00	BOLT, stud.....	6	
4	90116-10249-00	BOLT, stud.....	1	
5	4H7-46153-00-00	COLLAR, guide .....	1	
6	93101-30064-00	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-Y0-30	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	

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## DRIVE SHAFT

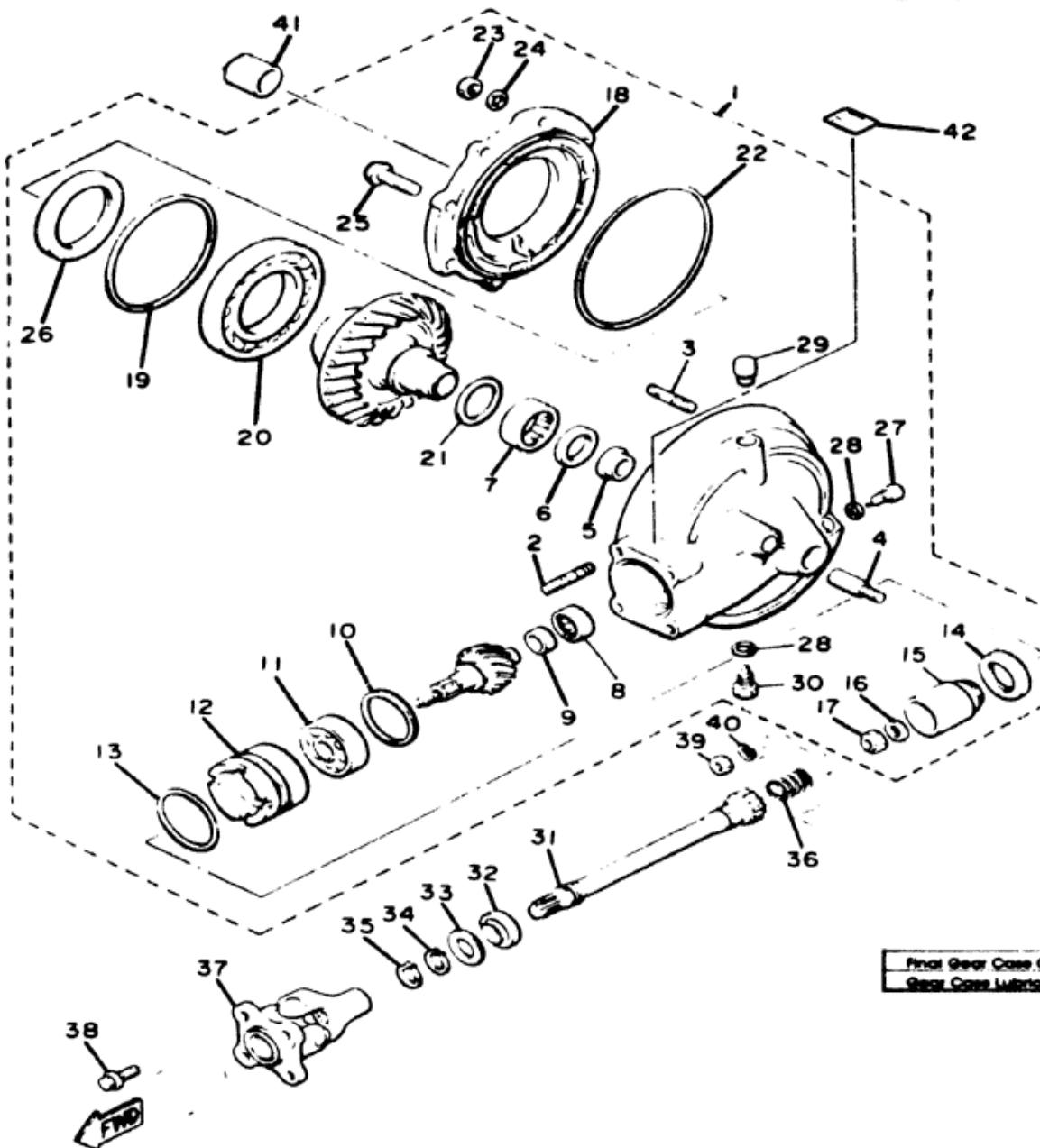


Ref. No.	Part Number	Description	Qty	Remarks
17	90185-14070-00	NUT, self-locking .....	1	
18	4H7-46152-00-00	HOUSING, bearing ...	1	
19	1J7-46117-Y0-25	SHIM, ring gear (0.25T)	1	U.R.
	1J7-46117-Y0-30	SHIM, ring gear (0.30T)	1	U.R.
	1J7-46117-Y0-35	SHIM, ring gear (0.35T)	1	U.R.
	1J7-46117-Y0-40	SHIM, 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	

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

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## DRIVE SHAFT

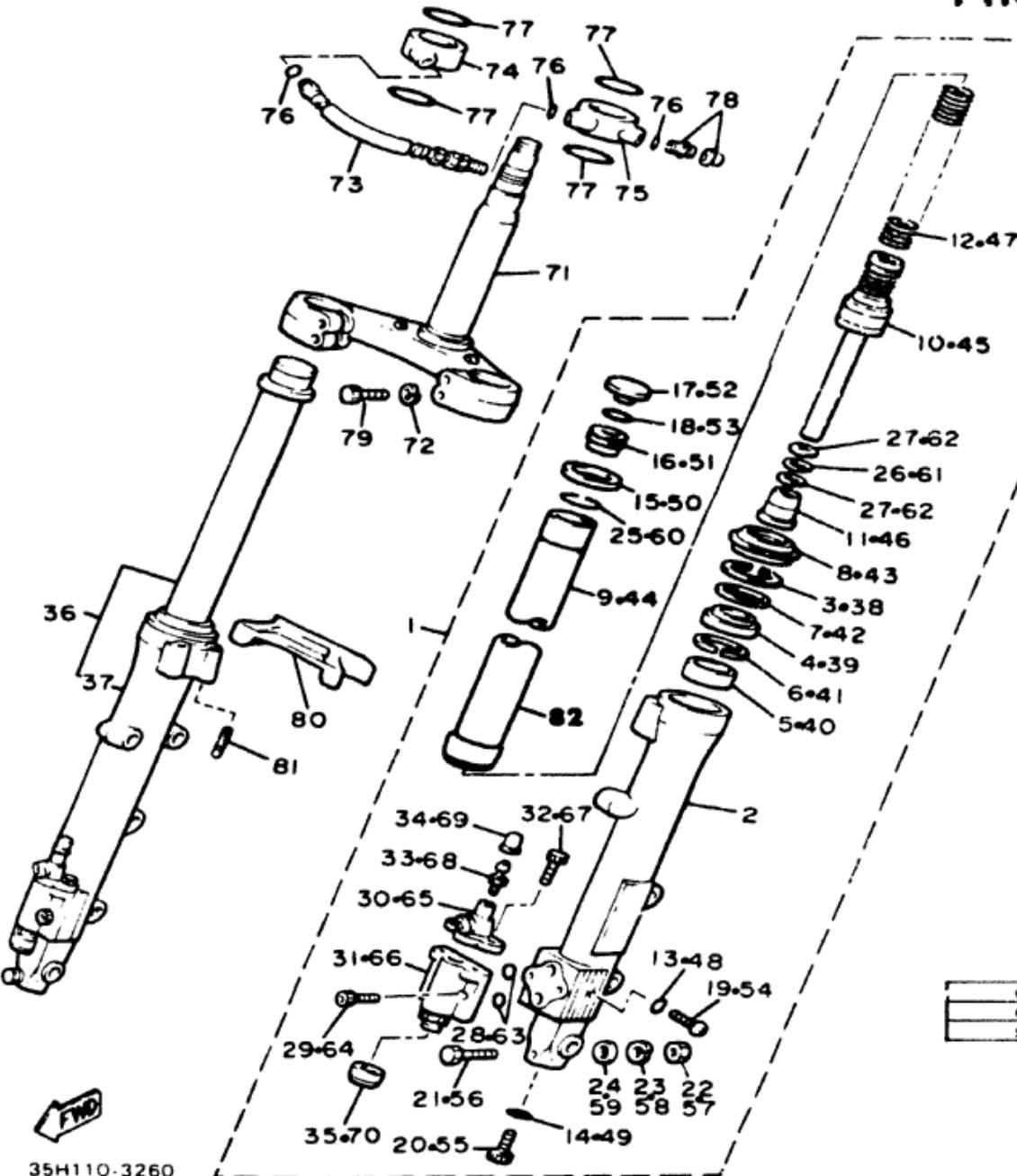


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Ref. No.	Part Number	Description	Qty	Remarks
23	96311-08600-00	NUT .....	6	
24	92901-08700-00	WASHER, wave.....	6	
25	90109-10748-00	BOLT.....	2	
26	93102-70167-00	OIL SEAL .....	1	
27	11H-13458-00-00	PLUG, straight screw (90340-14009).....	1	
28	214-11198-01-00	GASKET.....	2	
29	2H7-17590-00-00	BREATHER COMP.	1	
30	90340-14042-00	PLUG, straight screw	1	
31	31A-46172-01-00	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	90501-16491-00	SPRING, compression	1	
37	31A-46180-00-00	CROSS JOINT COMP.	1	
38	90105-08155-00	BOLT, washer based (90105-08066).....	4	
39	95318-10600-00	NUT .....	4	
40	92906-10100-00	WASHER, spring .....	4	
41	90387-172A5-00	COLLAR .....	1	
42	31A-46181-00-00	LABEL, oil caution .....	1	

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

# FRONT FORK



35H110-3260

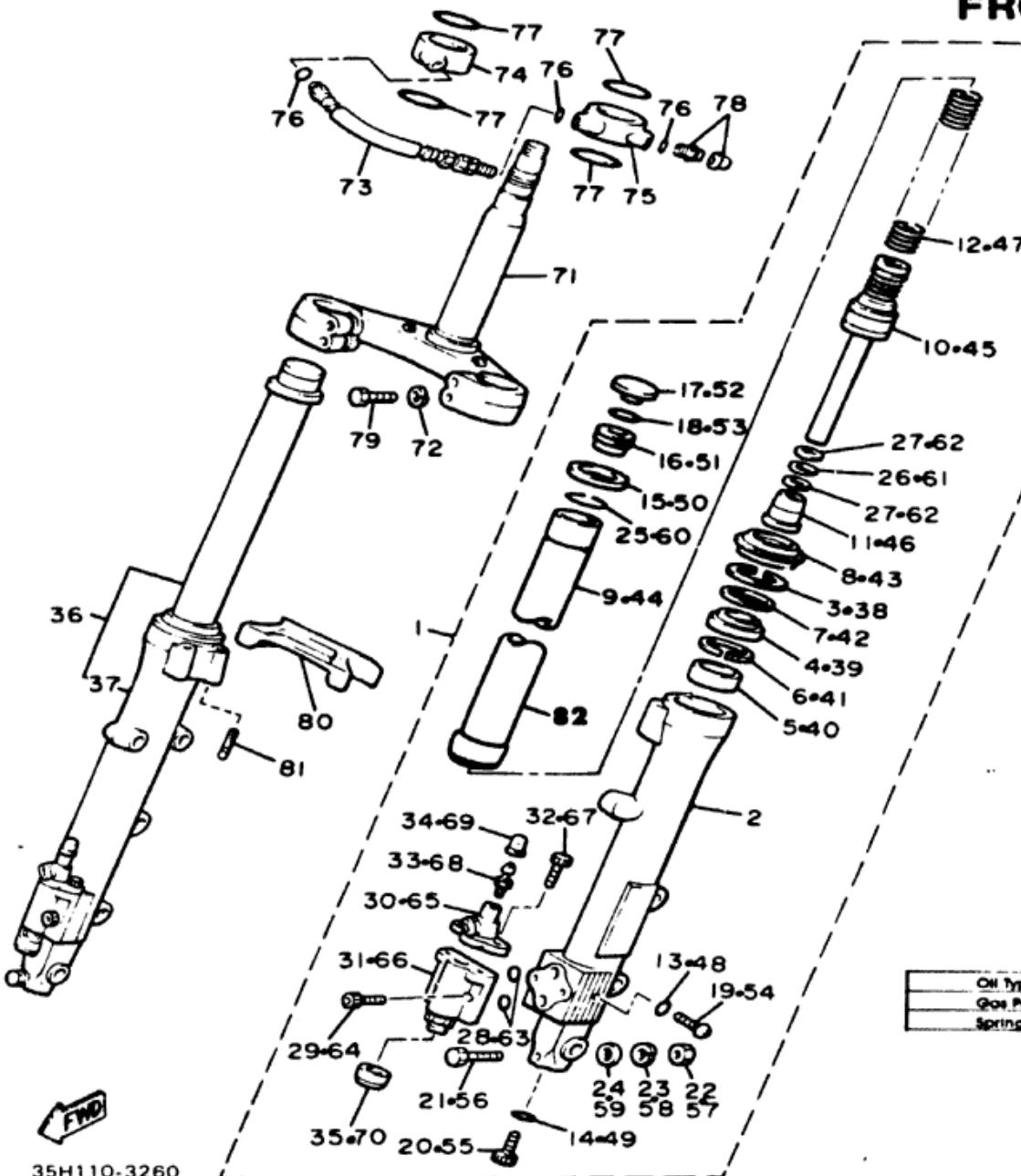


Ref. No.	Part Number	Description	Qty	Remarks
1	31A-23102-01-00	FRONT FORK ASS'Y (L.H.)(31A-23102-00)	1	
2	31A-23126-30-00	TUBE, outer 1	1	
3	3R4-23153-00-00	RING, snap	1	
4	2H7-23145-01-00	OIL SEAL	1	
5	31A-23125-30-00	METAL slide 1	1	
6	31A-23148-30-00	WASHER, spring upper	1	
7	31A-23148-30-00	WASHER, oil seal	1	
8	31A-23144-30-00	SEAL, dust	1	
9	31A-23110-30-00	INNER TUBE COMP. 1	1	
10	31A-23170-30-00	CYLINDER COMP., front fork	1	
11	22N-23173-00-00	SPINDLE, taper	1	
*12	31A-23141-31-00	SPRING, front fork (31A-23141-30)	1	
13	122-23129-00-00	GASKET, drain plug	1	
14	509-23158-L0-00	GASKET	1	
15	2H7-23163-00-00	WASHER	1	
16	31A-23111-30-00	BOLT, cap	1	
17	16G-23168-00-00	CAP, front fork	1	
18	1W1-23114-L0-00	GASKET	1	
19	4H7-23119-01-00	PLUG, drain (122-23119-01)	1	
20	278-23181-50-00	BOLT, hexagon socket head	1	
21	4G0-23356-00-00	BOLT 2	1	

\*Indicates new part numbers activated from March, 1986.

Oil type / Level / City	10 W Fork Oil* / 168mm / 286cc
Gas Pressure Min ~ Max / Standard	0.36 ~ 0.46 kg/cm <sup>2</sup> / 0.4 kg/cm <sup>2</sup>
Spring Length Std	522.5mm

# FRONT FORK



35H110-3260

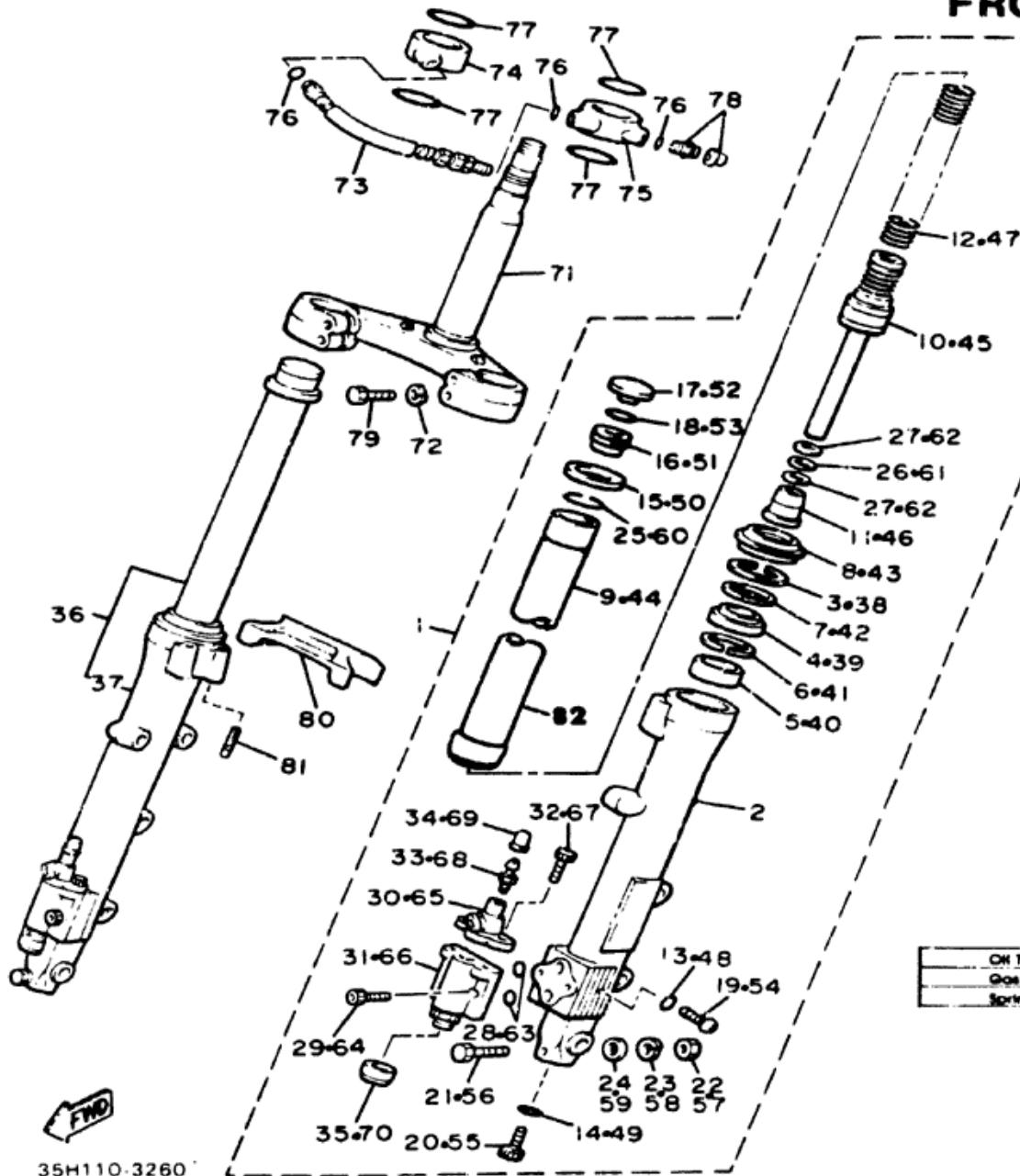


**D-10**

Ref. No.	Part Number	Description	Qty	Remarks
22	95311-08600-00	NUT .....	1	
23	92990-08100-00	WASHER, spring (92903-08100).....	1	
24	90201-08544-00	WASHER, plate.....	1	
25	15R-23153-00-00	RING, snap .....	1	
26	22N-2319L-00-00	WASHER .....	1	
27	22N-2319M-00-00	SPRING, valve.....	1	
28	22N-23147-00-00	O-RING.....	1	
29	22N-23346-00-00	BOLT 1 .....	1	
30	26H-2319F-00-00	BRAKE PLUNGER ASS'Y 1 .....	1	
31	26H-2319E-00-00	DAMPER PISTON ASS'Y.....	1	
32	22N-23356-00-00	BOLT 2 .....	2	
33	26H-2319V-00-00	BREATHER, air .....	1	
34	26H-2319W-00-00	CAP.....	1	
35	22N-2319U-00-00	CAP.....	1	
36	31A-23103-01-00	FRONT FORK ASS'Y (R.H.) (31A-23103-00)	1	
37	31A-23136-30-00	TUBE, outer 2 .....	1	
38	3R4-23153-00-00	RING, snap .....	1	
39	2H7-23145-01-00	OIL SEAL .....	1	
40	31A-23125-30-00	METAL slide 1 .....	1	
41	31A-23149-30-00	WASHER, spring upper	1	

Oil Type / Level / Qty	10 Wt. Fork Oil* / 168mm / 28cc
Gas Pressure Min ~ Max / Standard	0.35 ~ 0.45 kg/cm <sup>2</sup> / 0.4 kg/cm <sup>2</sup>
Spring Length Std	522.5mm

# FRONT FORK

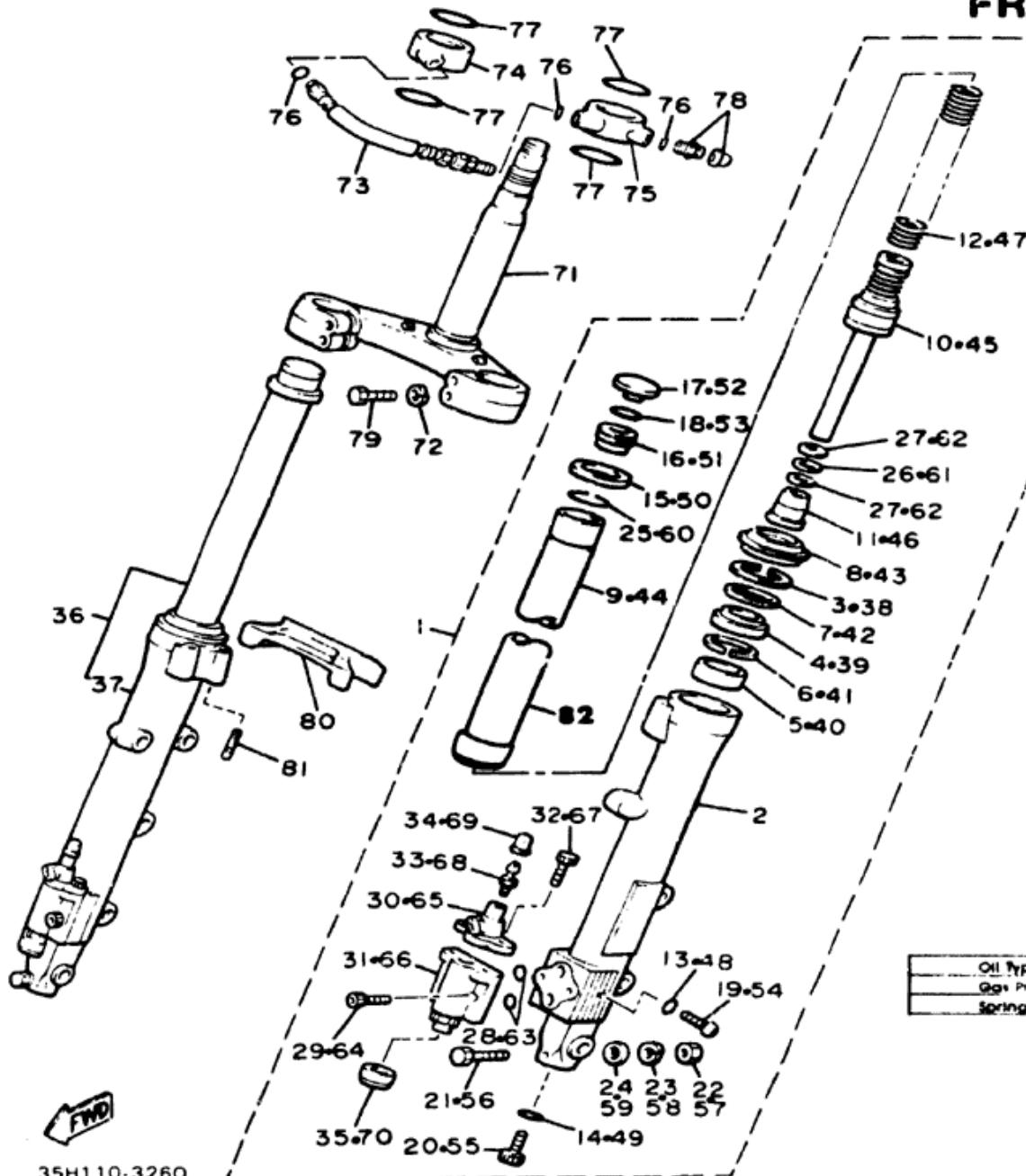


Ref. No.	Part Number	Description	Qty	Remarks
42	31A-23148-30-00	WASHER, oil seal.....	1	
43	31A-23144-30-00	SEAL, dust.....	1	
44	31A-23110-30-00	INNER TUBE COMP. 1	1	
46	31A-23170-30-00	CYLINDER COMP., front fork.....	1	
46	22N-23173-00-00	SPINDLE, taper.....	1	
*47	31A-23141-31-00	SPRING, front fork (31A-23141-30).....	1	
48	122-23129-00-00	GASKET, drain plug	1	
49	509-23158-L0-00	GASKET.....	1	
50	2H7-23183-00-00	WASHER .....	1	
51	31A-23111-30-00	BOLT, cap.....	1	
52	16G-23168-00-00	CAP, front fork.....	1	
53	1W1-23114-L0-00	GASKET.....	1	
54	4H7-23119-00-00	PLUG, drain (122-23119-01).....	1	
55	278-23181-50-00	BOLT, hexagon socket head .....	1	
56	4G0-23356-00-00	BOLT 2.....	1	
57	95311-08600-00	NUT .....	1	
58	92990-08100-00	WASHER, spring (92903-08100).....	1	
59	90201-08544-00	WASHER, plate.....	1	
60	15R-23153-00-00	RING, snap .....	1	
61	22N-2319L-00-00	WASHER .....	1	

\*Indicates new part numbers activated from March, 1986.

Oil Type / Level / City	10 Wt. Fork Oil* / 148mm / 280cc
Gas Pressure Min ~ Max, Standard	0.36 ~ 0.46 kg/cm <sup>2</sup> , 0.4 kg/cm <sup>2</sup>
Spring Length Std	522.5mm

# FRONT FORK



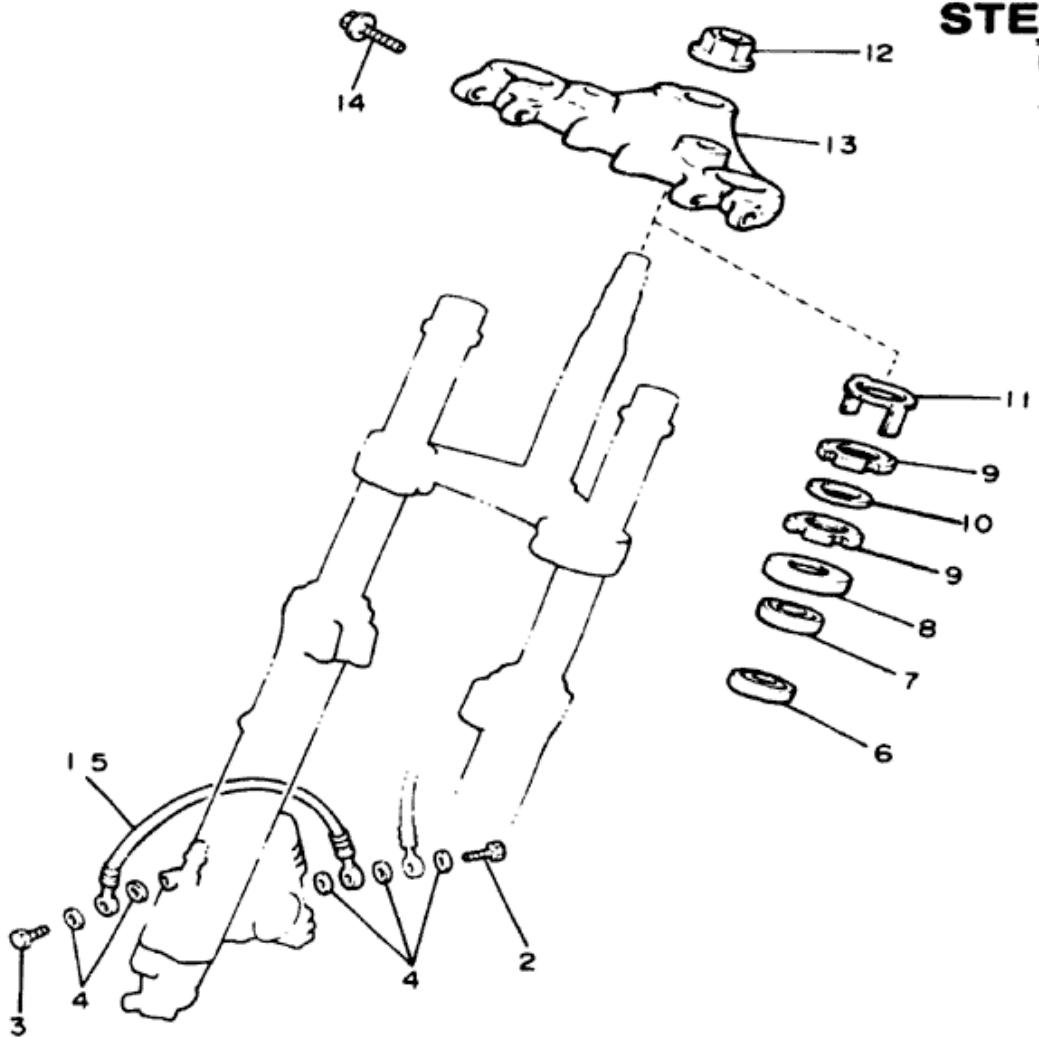
Ref. No.	Part Number	Description	Qty	Remarks
62	22N-2319M-00-00	SPRING, valve.....	1	
63	22N-23147-00-00	O-RING.....	1	
64	22N-23346-00-00	BOLT 1.....	1	
65	26H-2319F-00-00	CLUTCH PLUNGER ASS'Y 1 .....	1	
66	26H-2319E-00-00	DAMPER PISTON ASS'Y .....	1	
67	22N-23356-00-00	BOLT 2 .....	2	
68	26H-2319V-00-00	BREATHER, air.....	1	
69	26H-2319W-00-00	CAP.....	1	
70	22N-2319U-00-00	CAP.....	1	
71	31A-23340-00-00	UNDERBRACKET COMP.	1	
72	92990-08100-00	WASHER, spring (92903-08100) .....	4	
73	31A-2318F-30-00	HOSE, air.....	1	
74	11T-2319A-00-00	JOINT, air 2 .....	1	
75	31A-2318A-30-00	JOINT, air 1 .....	1	
76	3J2-23147-00-00	O-RING .....	3	
77	11T-2318B-00-00	O-RING .....	4	
78	4V4-23190-L0-00	AIR VALVE COMP. ....	1	
79	97321-08040-00	BOLT .....	4	
80	31A-2313A-30-00	BRACE, fork .....	1	
81	31A-23181-30-00	BOLT, hexagon socket head.....	4	
*82	31A-23171-30-00	PISTON, front fork .....	1	

\*Indicates new part numbers activated from March, 1986.

Oil Type / Level / Qty	10 Wt Fork Oil* / 160mm / 28cc
Gas Pressure Min ~ Max / Standard	0.36 ~ 0.46 kg/cm <sup>2</sup> / 0.4 kg/cm <sup>2</sup>
Spring Length Std	522.5mm

35H110-3260

## STEERING

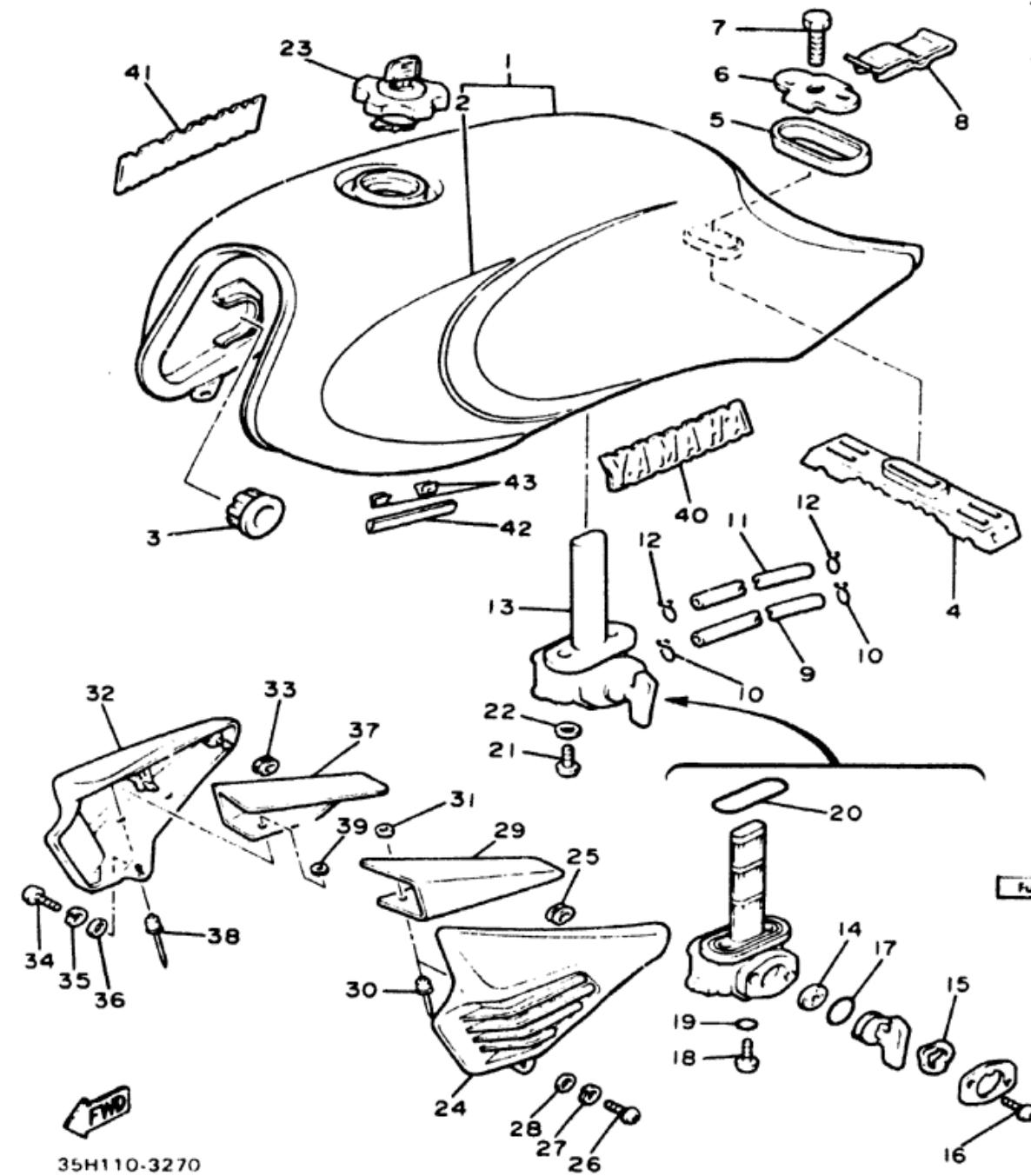


Ref. No.	Part Number	Description	Qty	Remarks
1	31A-25874-00-00	HOSE, brake.....	1	
2	90401-10095-00	BOLT, union .....	2	
3	90401-10096-00	BOLT, union .....	2	
4	90201-10118-00	WASHER, plate .....	10	
5	31A-25874-10-00	HOSE, brake.....	1	
6	93332-00008-00	BEARING .....	1	
7	93332-00023-00	BEARING .....	1	
8	1J7-23415-00-00	COVER, ball race 1 .....	1	
9	90179-25033-00	NUT .....	2	
10	90202-26142-00	WASHER, plate .....	1	
11	26H-23418-01-00	WASHER, special.....	1	
12	90179-22412-00	NUT .....	1	
13	31A-23435-00-98	CROWN, handle.....	1	Low Gloss Blk
14	95826-08045-00	BOLT, flange.....	2	



35H110-3250

# FUEL TANK

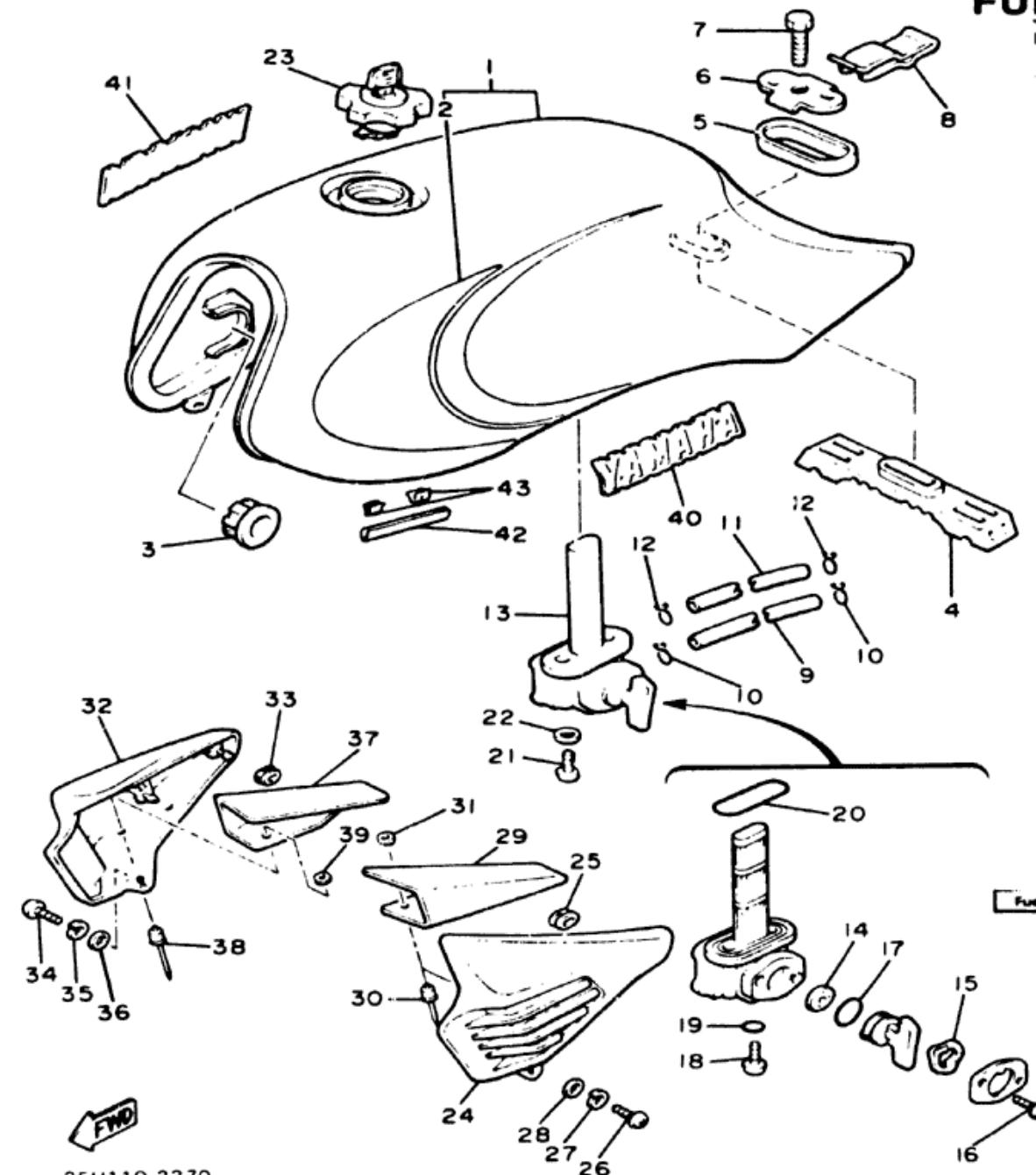


Ref. No.	Part Number	Description	Qty	Remarks
1	31A-24110-00-09	FUEL TANK COMP....	1	Super Red/ Star Silver
2	31A-24240-30-00	. GRAPHIC SET.....	1	For Red
3	4H7-24181-00-00	DAMPER, locating 1 ...	2	
4	31A-24182-00-00	DAMPER, locating 2 ...	1	
5	4K0-24183-00-00	DAMPER, locating 3 ...	1	
6	4K0-24186-00-00	WASHER, special.....	1	
7	90109-08579-00	BOLT .....	1	
8	4K0-2411M-00-00	CLIP.....	1	
9	90445-11770-00	HOSE.....	1	
10	90467-10041-00	CLIP.....	2	
11	90445-09500-00	HOSE.....	1	
12	90467-08075-00	CLIP.....	2	
13	31A-24500-01-00	FUEL COCK ASS'Y 1...	1	
14	16G-24523-00-00	. VALVE .....	1	
15	16G-24518-00-00	. WASHER, wave.....	1	
16	97801-03008-00	. SCREW, pan head...	2	
17	2G2-24512-00-00	. O-RING.....	1	
18	97801-06008-00	. SCREW, pan head...	1	
19	2G2-24522-00-00	. GASKET .....	1	
20	2G2-24534-00-00	. O-RING.....	1	
21	90149-06008-00	SCREW .....	2	
22	90202-06010-00	WASHER, plate .....	2	

Fuel Type/Total Fuel Tank Capacity/Reserve Cap | Regular / 22.0 LTR / 5.0 LTR

35H110-3270

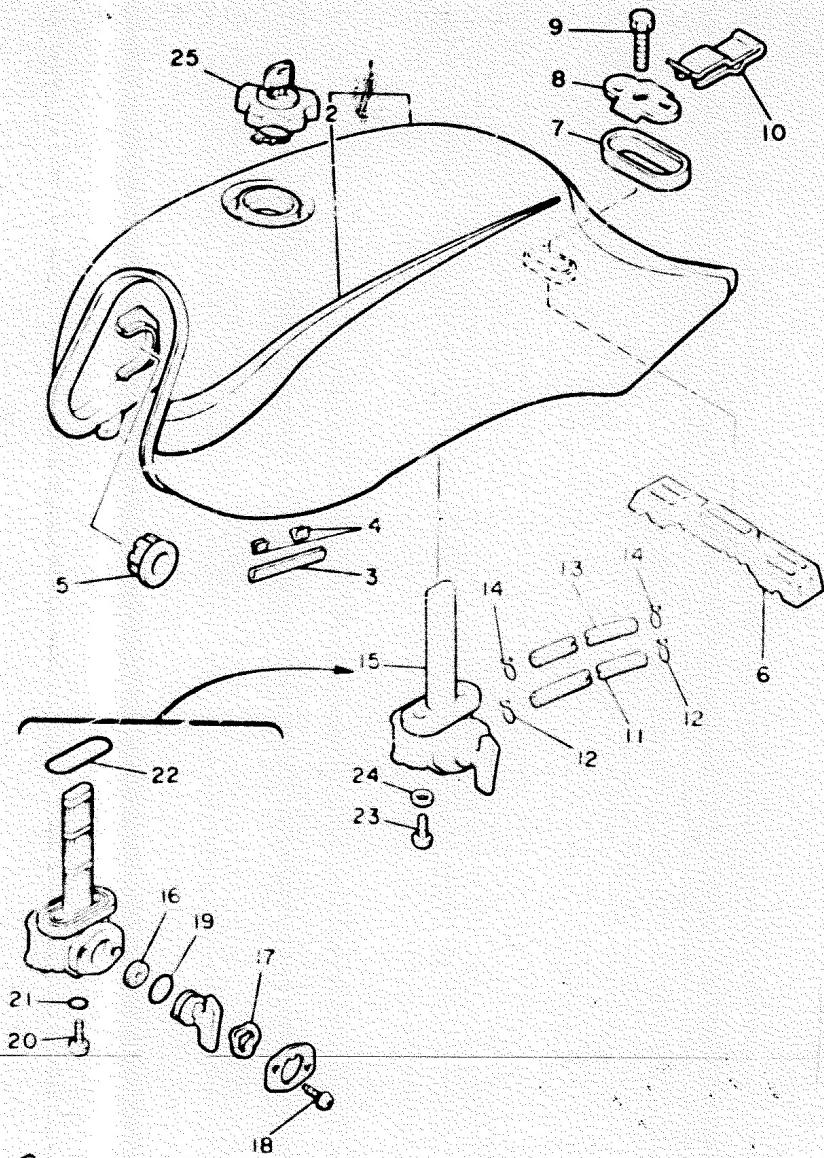
## FUEL TANK



Ref. No.	Part Number	Description	Qty	Remarks
23	11H-24602-02-00	CAP ASS'Y .....	1	
24	31A-2835J-00-6M	BODY, front lower 1.....	1	Star Silver
25	90480-01141-00	GROMMET.....	2	
26	92506-06016-00	SCREW, pan head .....	1	
27	92906-06100-00	WASHER, spring .....	1	
28	90201-06059-00	WASHER, plate .....	1	
29	31A-2835U-00-00	PANEL 1.....	1	
30	90267-40029-00	RIVET, blind (811-77459-00) .....	2	
31	90201-04M06-00	WASHER, plate .....	2	
32	31A-2835K-00-6M	BODY, front lower 2.....	1	Star Silver
33	90480-01141-00	GROMMET.....	2	
34	92506-06016-00	SCREW, pan head .....	1	
35	92906-06100-00	WASHER, spring .....	1	
36	90201-06059-00	WASHER, plate .....	1	
37	31A-2835V-00-00	PANEL 2.....	1	
38	90267-40029-00	RIVET, blind (811-77459-00) .....	2	
39	90201-04M06-00	WASHER, plate .....	2	
40	31A-24161-00-00	EMBLEM 1 .....	1	For Red
41	31A-24162-00-00	EMBLEM 2 .....	1	For Red
42	31A-24188-00-00	MOLD, fuel tank.....	2	
43	90468-03063-00	CLIP .....	4	

Fuel Type/Total Fuel Tank Capacity/Reserve Cap | Regular / 22.0 L / 5.0 L

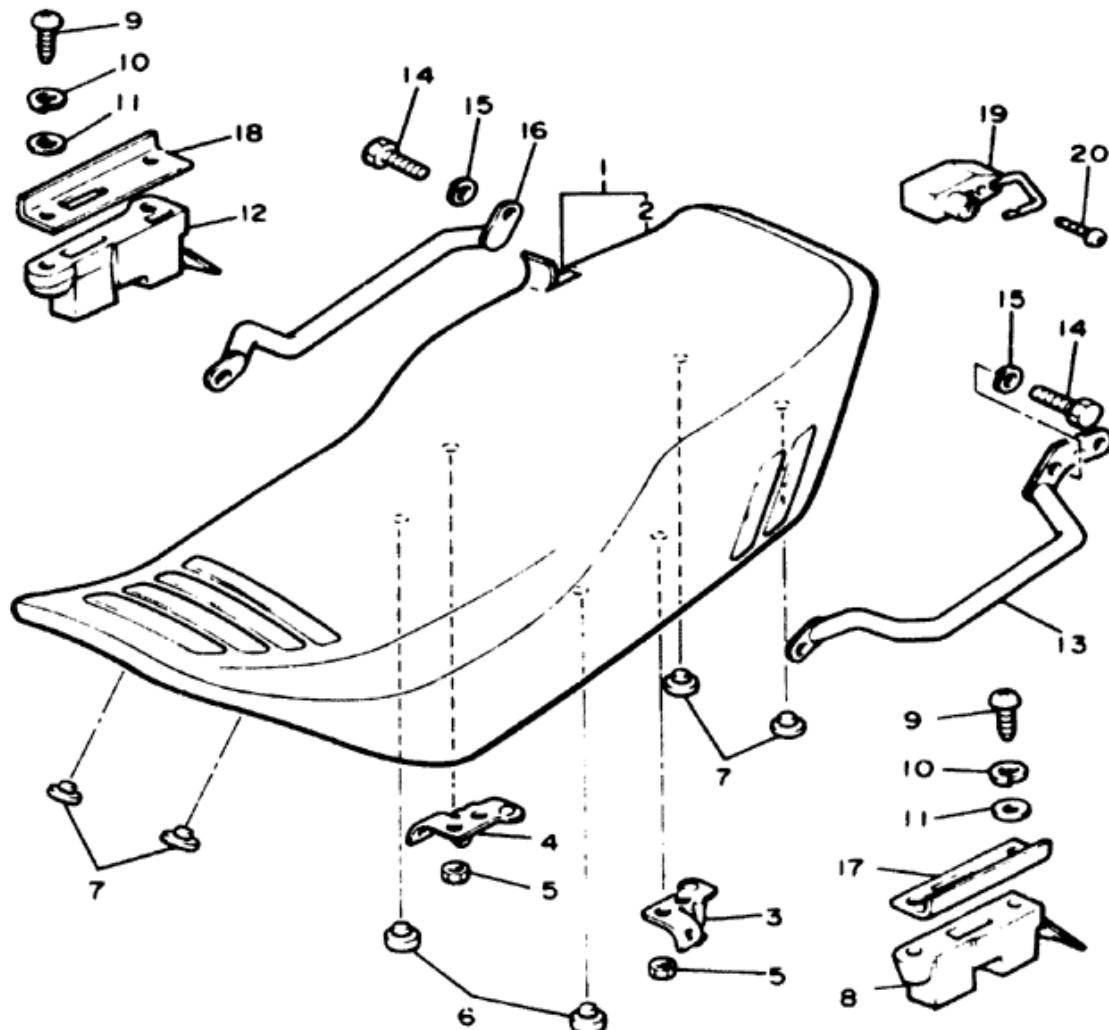
FIG. 27 FUEL TANK



REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	31A-24110-00-13	FUEL TANK COMP.	1	stormy red/silky white
2	44X-24240-00	•GRAPHIC SET	1	
3	31A-24188-00	MOLD, fuel tank	2	
4	90468-03063	CLIP	4	
5	4H7-24181-C0	DAMPER, locating 1	2	
6	31A-24182-00	DAMPER, locating 2	1	
7	4K0-24183-00	DAMPER, locating 3	1	
8	4K0-24185-00	WASHER, special	1	
9	80109-08579	BOLT	1	
10	4K0-2411M-00	CLIP	1	
11	90445-11770	HOSE	1	
12	90467-10041	CLIP	2	
13	90445-09500	HOSE	1	
14	90467-08075	CLIP	2	
15	31A-24500-01	FUEL COCK ASSY 1	1	
16	16G-24523-00	•VALVE	1	
17	16G-24518-00	•WASHER, wave	1	
18	97801-03008	•SCREW, Pan head	2	
19	2G2-24512-00	•O-RING	1	
20	97801-06008	•SCREW, Pan head	1	
21	2G2-24522-00	•GASKET	1	
22	2G2-24534-00	•O-RING	1	
23	90149-0E008	SCREW	2	
24	90202-06010	WASHER, flat	2	
25	11H-24602-02	CAP ASSY	1	

44X171 4270

# SEAT

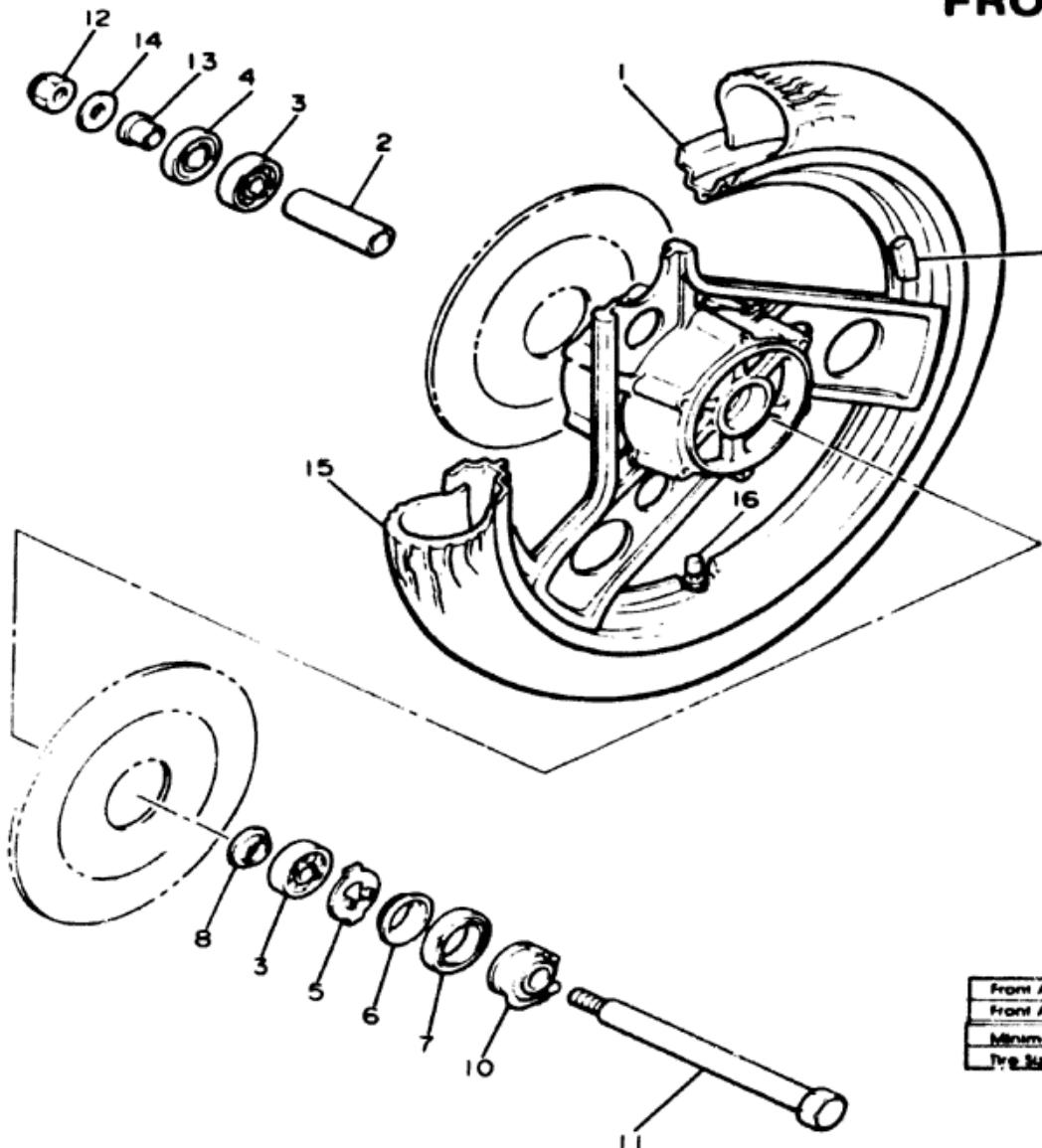


Ref. No.	Part Number	Description	Qty	Remarks
1	31A-W2472-00-00	DOUBLE SEAT ASS'Y	1	
2	31A-24731-00-00	. COVER, seat .....	1	
3	31A-24728-00-00	BRACKET, seat .....	1	
4	31A-24738-00-00	BRACKET, seat .....	1	
5	95701-06500-00	SPEED NUT (3Y6-24735-00) .....	4	
6	278-27114-A0-00	STOPPER, main stand	2	
7	116-24741-A0-00	PAD, seat .....	4	
8	41Y-24705-01-00	SEAT LOCK ASS'Y (31A-24705-00) .....	1	
9	92580-06020-00	SCREW, panhead (92503-06020) .....	4	
10	92990-06100-00	WASHER, spring (92903-06100) .....	4	
11	90201-061A5-00	WASHER (92901-06600)	4	
12	31A-24760-00-00	SEAT LEVER ASS'Y .....	1	
13	31A-21165-00-00	HANDLE, standing .....	1	
14	97316-08016-00	BOLT (97306-08016) .....	2	
15	92906-08100-00	WASHER, spring .....	2	
16	31A-21275-00-00	STAY, rear .....	1	
17	31A-2476A-00-00	PLATE, guide 1 .....	1	
18	31A-2476E-00-00	PLATE, guide 2 .....	1	
19	26H-21308-00-00	HELMET HANGER ASS'Y (3H1-21308-00) .....	1	
20	90149-06154-00	SCREW .....	1	



31E171-3310

## FRONT WHEEL



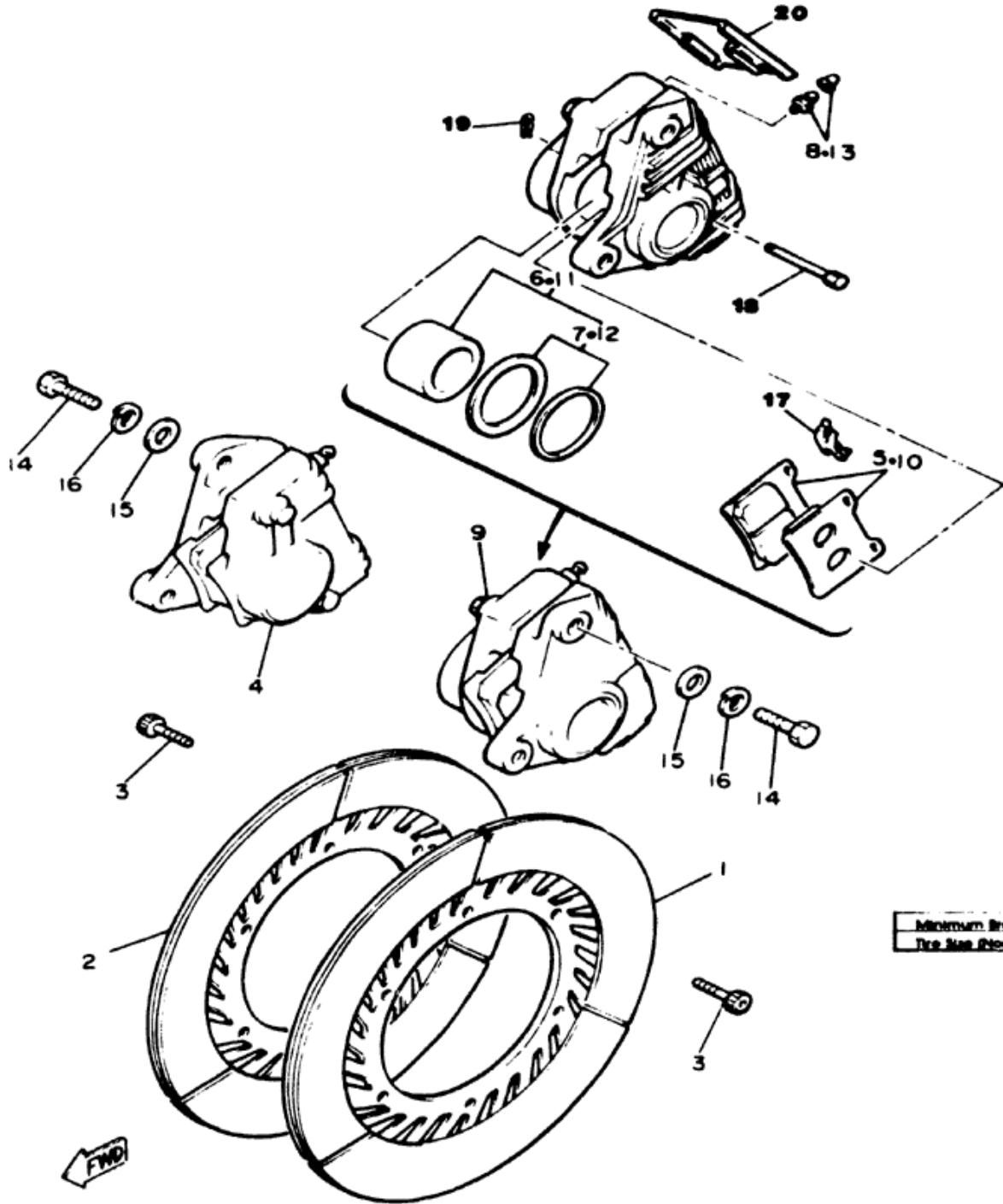
**FWD**

31E171-3320

Ref. No.	Part Number	Description	Qty	Remarks
1	31E-25168-20-98	CAST WHEEL, front....	1	Low Gloss Blk
2	90560-15116-00	SPACER .....	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	146-25115-00-00	FLANGE, spacer 1 .....	1	
9	29L-25398-00-00	BALANCER, wheel (10G)	1	U.N.
	29L-25398-10-00	BALANCER, wheel (20G)	1	U.N.
	29L-25398-20-00	BALANCER, wheel (30G)	1	U.N.
10	31A-25190-00-00	GEAR UNIT ASS'Y.....	1	
11	31A-25181-00-00	AXLE, wheel .....	1	
12	95601-14100-00	NUT, U .....	1	
13	90387-15550-00	COLLAR .....	1	
14	92990-14200-00	WASHER, plain (92901-14200).....	1	
15	94110-184M9-00	TIRE (100/90-V18 L303)	1	Bridgestone
16	93900-00001-00	VALVE, rim .....	1	Bridgestone

Front Axle Nut	M14 7.8 m-kg
Front Axle Holder Nut	M8 2.0 m-kg
Minimum Brake Lining Thickness, Front, Rear	0.3mm, 0.5mm
Tire Size (Normal Pressure), Front, Rear	100/90V18 [2.25 kg/cm <sup>2</sup> ], 120/90V18 [2.5 kg/cm <sup>2</sup> ]

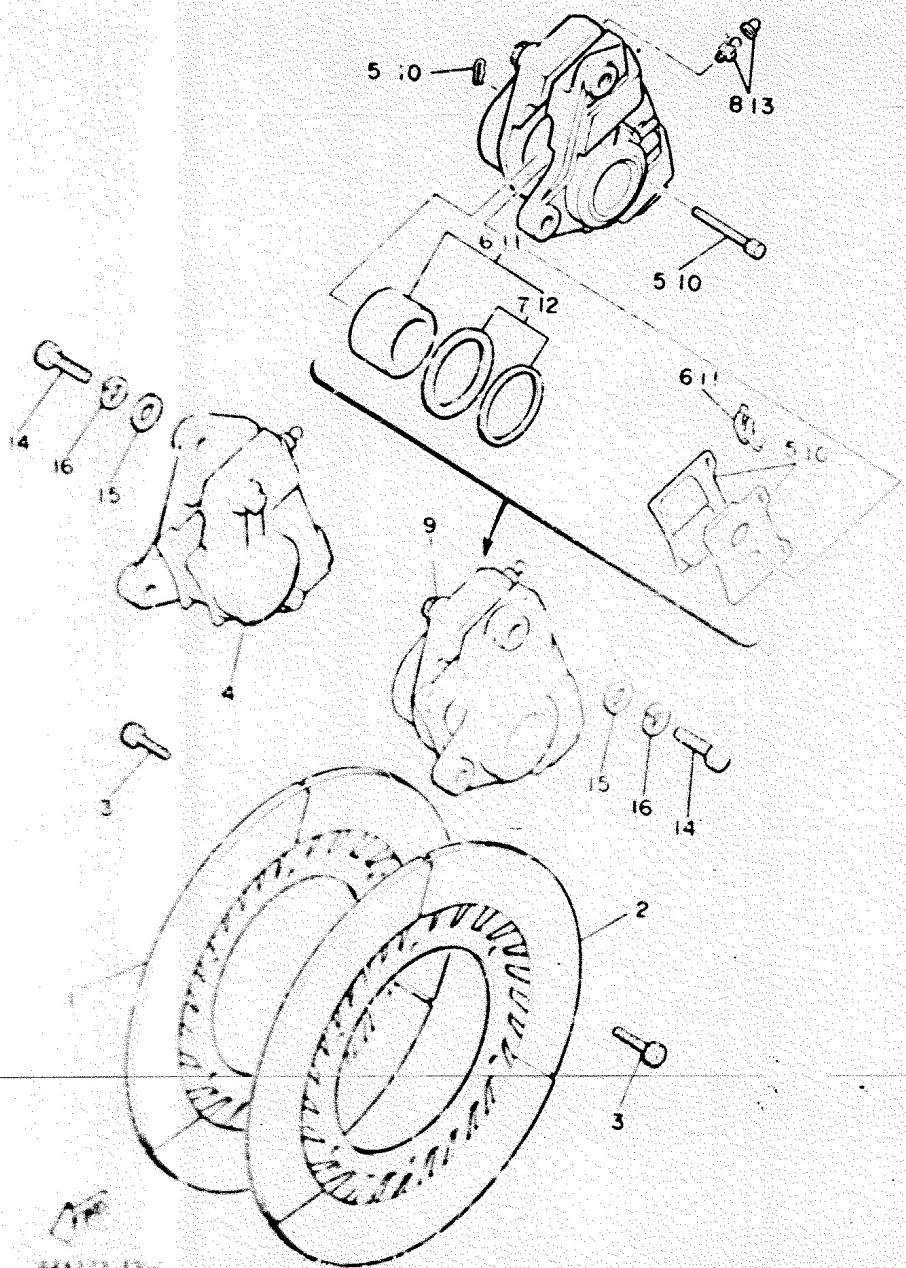
# FRONT BRAKE - CALIPER



Ref. No.	Part Number	Description	Qty	Remarks
1	31A-25831-01-00	DISC, brake (31A-25831-00) .....	1	
2	31A-25831-11-00	DISC, brake (31A-25831-10) .....	1	
3	90109-06718-00	BOLT .....	12	
4	31A-25810-00-00	CALIPER ASS'Y .....	1	
5	26H-W0045-10-00	BRAKE PAD KIT, front	1	
6	31A-W0057-00-00	PISTON ASS'Y, caliper	1	
7	31A-W0047-00-00	CALIPER SEAL KIT	1	
8	26H-W0048-00-00	BREED SCREW KIT	1	
9	31A-25810-10-00	CALIPER ASS'Y .....	1	
10	31A-W0045-00-00	BRAKE PAD KIT, front	1	
11	31A-W0057-00-00	PISTON ASS'Y, caliper	1	
12	31A-W0047-00-00	CALIPER SEAL KIT	1	
13	26H-W0048-00-00	BREED SCREW KIT	1	
14	90105-10308-00	BOLT (90101-10308) ...	4	
15	92990-10200-00	WASHER, plain (92903-10200) .....	4	
16	92990-10100-00	WASHER, spring (92903-10100) .....	4	
17	26H-25919-00-00	CROSS SPRING .....	1	
18	26H-25924-00-00	PAD, pin .....	1	
19	26H-25925-00-00	CLIP .....	1	
20	26H-25836-00-00	COVER, dust .....	1	

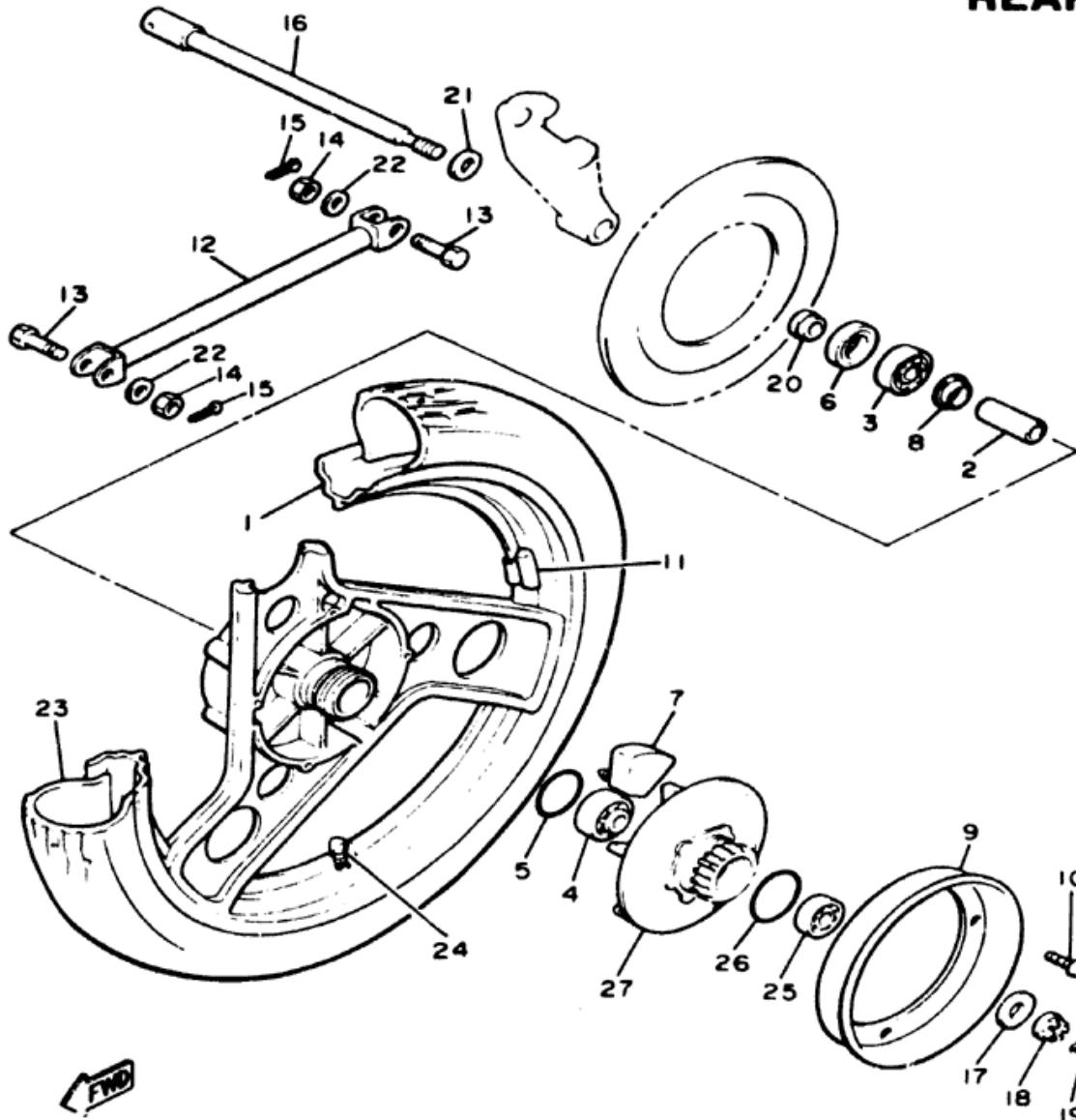
Minimum Brake Lining Thickness, Front / Rear	0.8mm / 0.8mm
Tire Size (Nominal Pressure), Front / Rear	100/90V16 (2.25 kg/cm <sup>2</sup> ) / 120/90V16 (2.8 kg/cm <sup>2</sup> )

FIG. 30 FRONT BRAKE CALIPER



REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	31A-25831-01	DISC, brake (RIGHT)	1	
2	31A-25831-11	DISC, brake (LEFT)	1	
3	90109-08718	BOLT	12	
4	41Y-25910-00	CALIPER ASSY (RIGHT)	1	
5	26H-W0045-01	•BRAKE PAD KIT, front	1	
6	31A-W0057-00	•PISTON ASSY, caliper	1	
7	31A-W0047-00	..CALIPER SEAL KIT	1	
8	26H-W0048-00	•BREED SCREW KIT	1	
9	41Y-25810-10	CALIPER ASSY (LEFT)	1	
10	26H-W0045-01	•BRAKE PAD KIT, front	1	
11	31A-W0057-00	•PISTON ASSY, caliper	1	
12	31A-W0047-00	..CALIPER SEAL KIT	1	
13	26H-W0048-00	•BREED SCREW KIT	1	
14	90101-10308	BOLT	4	
15	92901-10200	WASHER, Plain	4	
16	929C1-10100	WASHER, Spring	4	

## REAR WHEEL

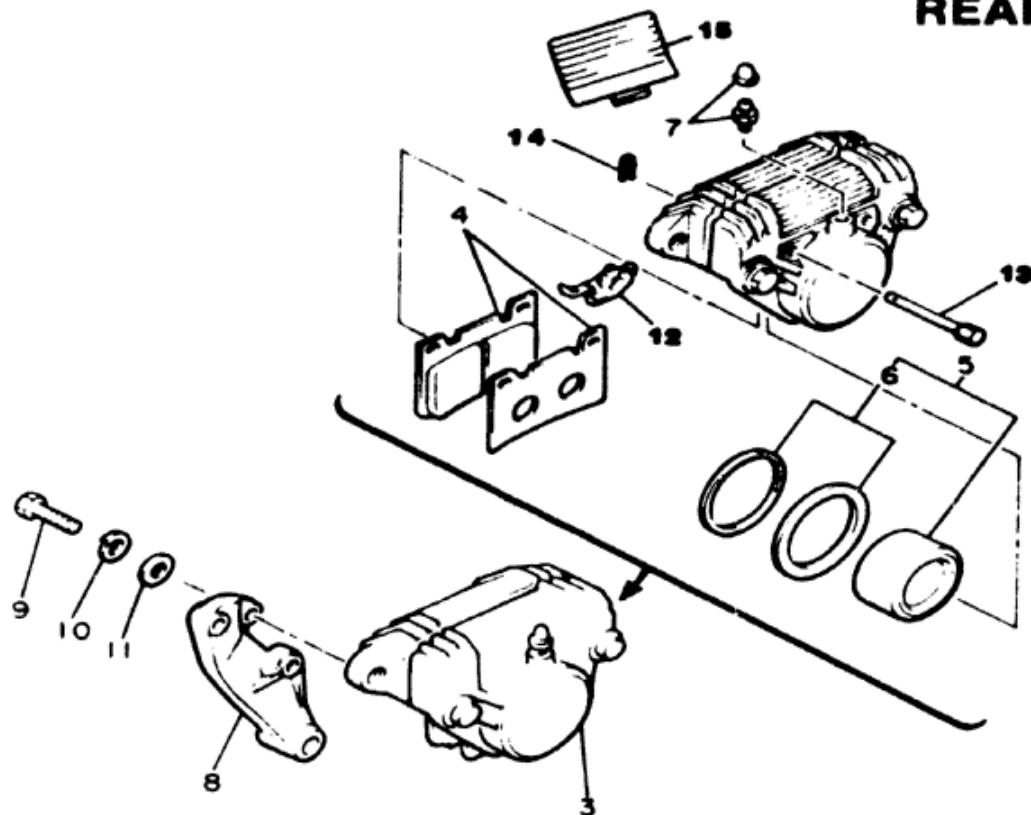


Ref. No.	Part Number	Description	Qty	Remarks
1	31E-25338-20-98	CAST WHEEL, rear	1	Low Gloss Blk
2	90580-17204-00	SPACER	1	
3	93306-30306-00	BEARING (B6303)	1	
4	93302-20306-00	BEARING	1	
5	93210-48530-00	O-RING	1	
6	93102-25044-00	OIL SEAL	1	
7	400-28384-00-00	DAMPER	6	
8	148-28318-00-00	FLANGE, spacer	1	
9	31A-25327-00-00	COVER, plate	1	
10	98501-08010-00	SCREW, pan head	4	
11	29L-25398-00-00	BALANCER, wheel (10G)	1	U.N.
	29L-25398-10-00	BALANCER, wheel (20G)	1	U.N.
	29L-25398-20-00	BALANCER, wheel (30G)	1	U.N.
12	31A-25371-00-00	BAR, tension	1	
13	90102-10056-00	BOLT, w/hole	2	
14	90170-10219-00	NUT	2	
15	91401-20020-00	PIN, cotter	2	
16	31A-25381-00-00	AXLE, wheel	1	
17	90201-141A3-00	WASHER, plate	1	
18	90179-14217-00	NUT	1	
19	91401-30030-00	PIN, cotter	1	
20	90387-170J6-00	COLLAR	1	
21	56W-25277-00-00	COLLAR, wheel (4H7-25377-00)	1	
22	92906-10200-00	WASHER	2	
23	94112-185M1-00	TIRE (120/90-V18 G516)	1	Bridgestone
24	93900-00001-00	VALVE, rim	1	Bridgestone
25	93306-20310-00	BEARING (B6203 RS)	1	
26	93210-57428-00	O-RING	1	
27	31A-25366-00-00	CLUTCH, hub	1	

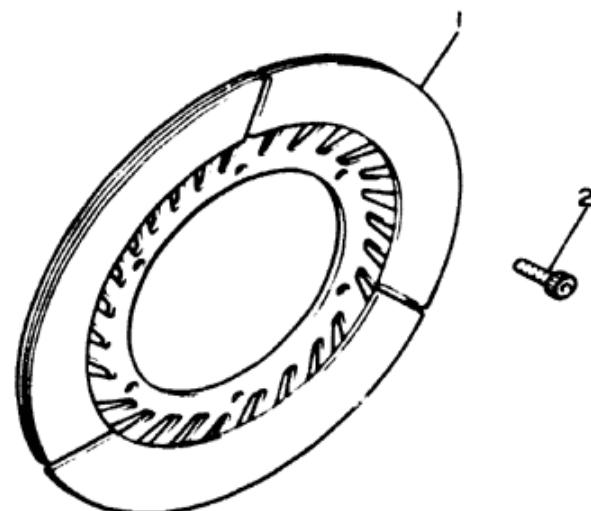
35H110-3310

Minimum Brake Lining Thickness, Front / Rear	0.8mm / 0.8mm
Tire Spec (Nominal Pressure), Front / Rear	100/90V18 (2.8 kovom <sup>3</sup> ) - 120/90V18 (2.8 kovom <sup>3</sup> )
Rear Axle Nut	M14 10.5 m-Ng
Rear Axle Pinch Bolt	M6 0.6 m-Ng

## REAR BRAKE CALIPER

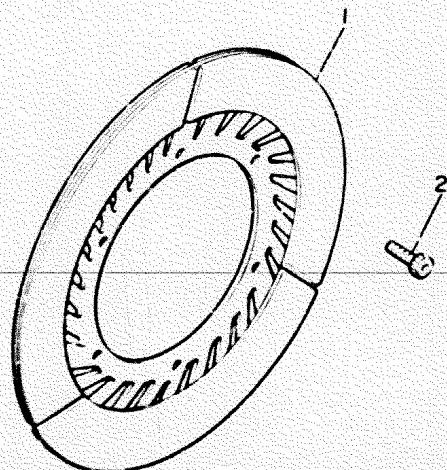
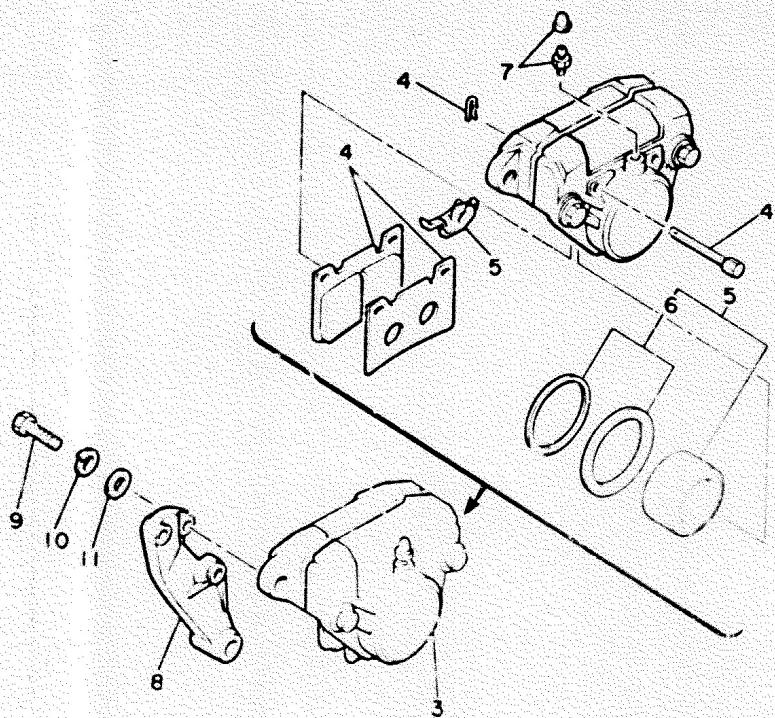


Ref. No.	Part Number	Description	Qty	Remarks
1	31A-25831-50-00	DISC. brake.....	1	
2	90109-08718-00	BOLT .....	6	
3	31A-25810-50-00	CALIPER ASS'Y.....	1	
4	26H-W0045-10-00	. BRAKE PAD KIT, front (26H-W0045-00).....	1	
5	31A-W0057-00-00	. PISTON ASS'Y. caliper	1	
6	31A-W0047-00-00	. CALIPER SEAL KIT	1	
7	26H-W0048-00-00	. BREED SCREW KIT	1	
8	31A-25819-00-00	BRACKET. caliper .....	1	
9	90105-10308-00	BOLT (90101-10308)...	2	
10	92990-10100-00	WASHER. spring (92903-10100).....	2	
11	92990-10200-00	WASHER. plain (92903-10200).....	2	
12	26H-25919-00-00	CROSS. spring.....	1	
13	26H-25924-00-00	PAD. pin .....	1	
14	26H-25925-00-00	CLIP.....	1	
15	26H-25836-00-00	COVER. dust.....	1	



31E171-3350

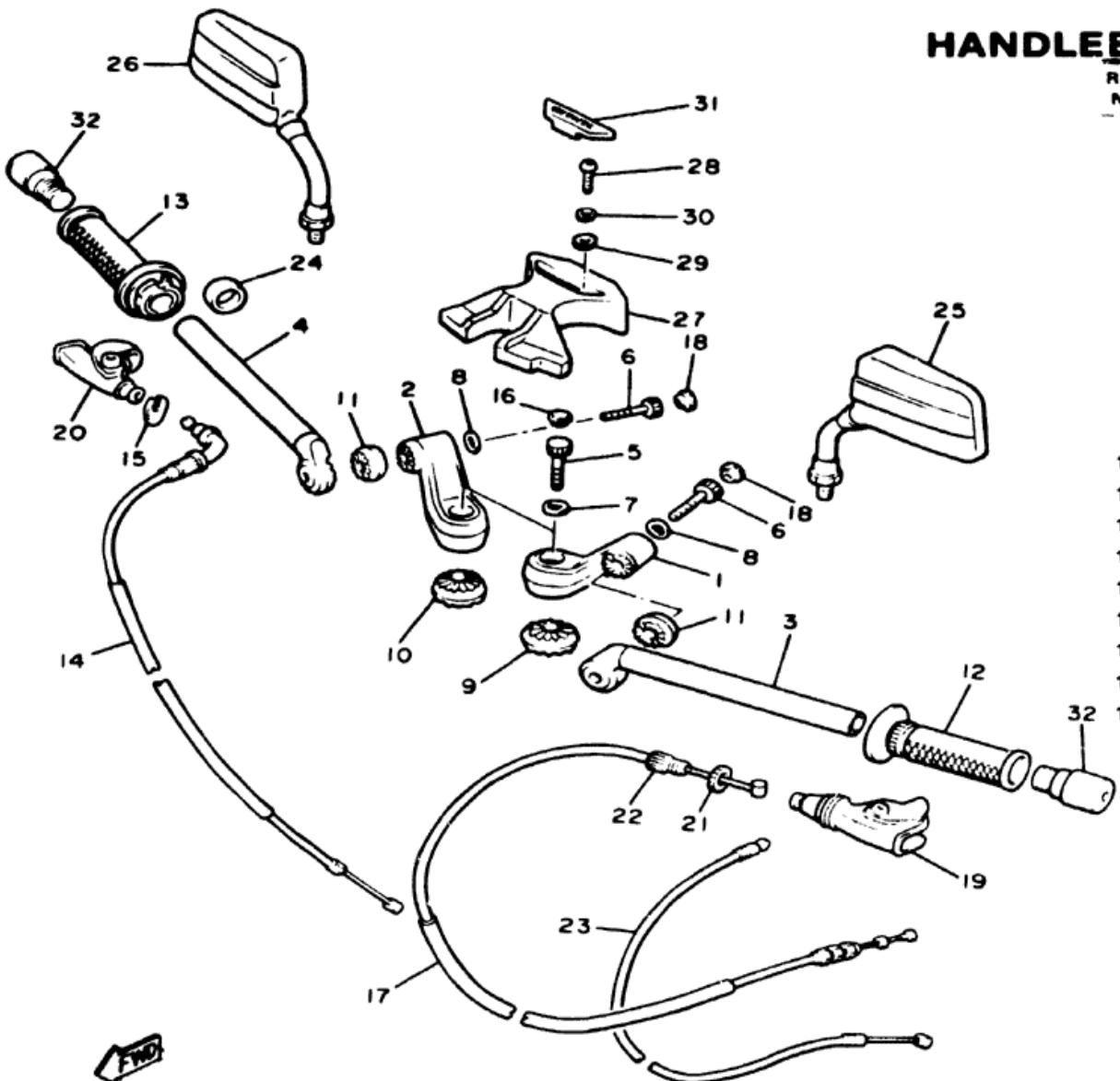
FIG. 32 REAR BRAKE CALIPER



REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	31A-25831-51	DISC, brake	1	
2	90109-08718	BOLT	5	
3	41Y-25810-50	CALIPER ASSY	1	
4	31A-W0046-00	•BRAKE PAD KIT, rear	1	
5	31A-W0057-00	•PISTON ASSY, caliper	1	
6	31A-W0047-00	..CALIPER SEAL KIT	1	
7	26H-W0048-00	•SHEEDED SCREW KIT	1	
8	31A-25819-00	BRACKET, caliper	1	
9	90101-10308	BOLT	2	
10	92901-10100	WASHER, spring	2	
11	92901-10200	WASHER, plain	2	

44X171-4320

## HANDLEBAR - CABLE

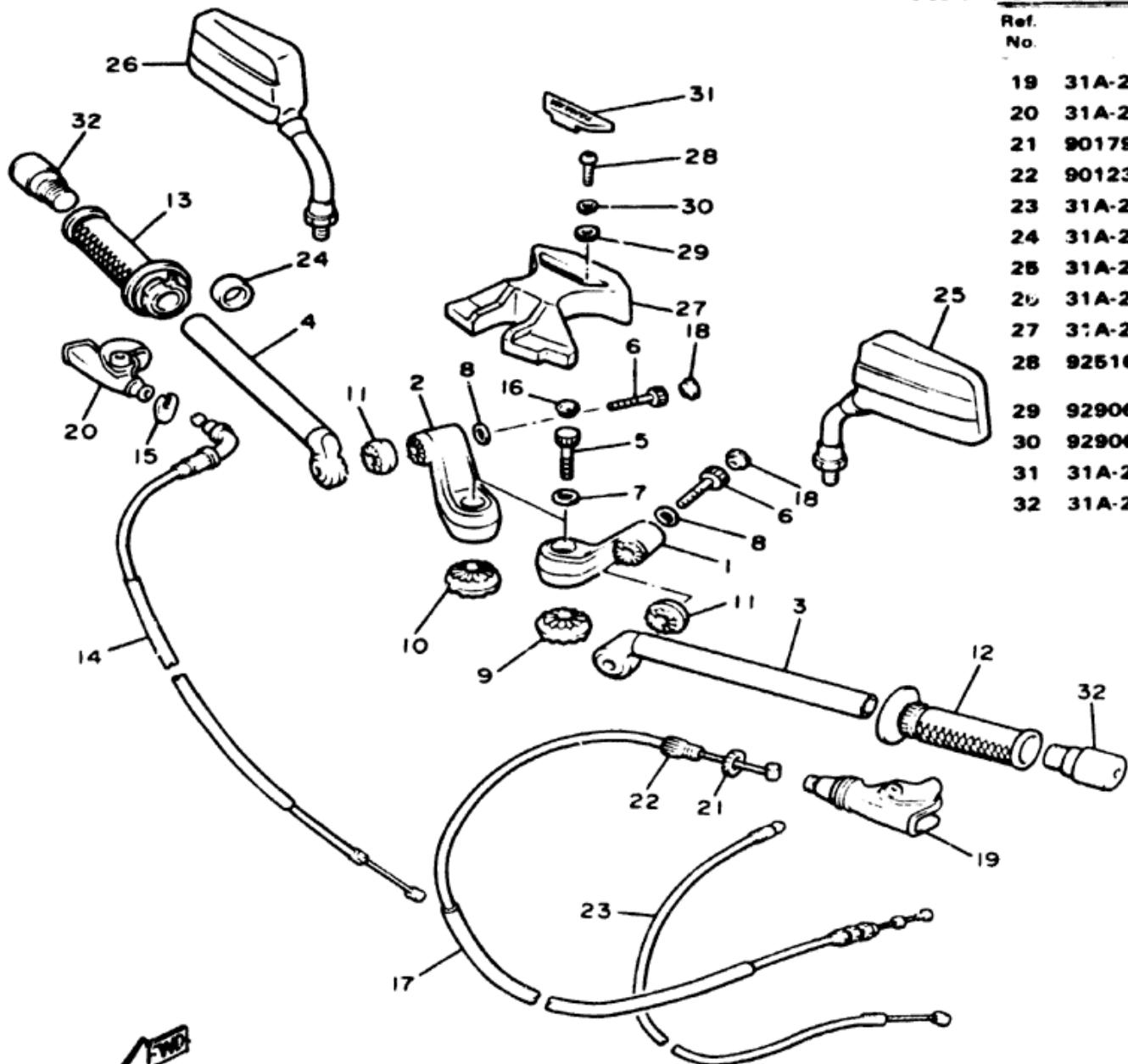


FWD

35H110-3330

Ref. No.	Part Number	Description	Qty	Remarks
1	31A-26121-01-00	HANDLEBAR (L.H.) . . . . .	1	
2	31A-26122-01-00	HANDLEBAR (R.H.) . . . . .	1	
3	31A-26211-00-00	HANDLE . . . . .	1	
4	31A-26212-00-00	HANDLE 2 . . . . .	1	
5	90110-12063-00	BOLT, hexagon socket head . . . . .	2	
6	90110-10062-00	BOLT, hexagon socket head . . . . .	2	
7	92990-12200-00	WASHER, plain . . . . .	2	
8	92990-10200-00	WASHER, plain . . . . .	2	
9	31A-26221-01-00	BOSS, handlebar 1 . . . . .	1	
10	31A-26221-11-00	BOSS, handlebar 1 . . . . .	1	
11	31A-26228-01-00	BOSS, handlebar 2 . . . . .	2	
12	31A-26241-00-00	GRIP (L.H.) . . . . .	1	
13	31A-26240-00-00	GRIP ASS'Y . . . . .	1	
14	31A-26311-00-00	CABLE, throttle 1 . . . . .	1	
15	5HO-26393-00-00	HOLDER . . . . .	1	
16	31A-23469-02-00	CAP, bolt . . . . .	2	
17	31A-26335-00-00	CABLE, clutch . . . . .	1	
18	31A-26133-00-00	CAP . . . . .	2	

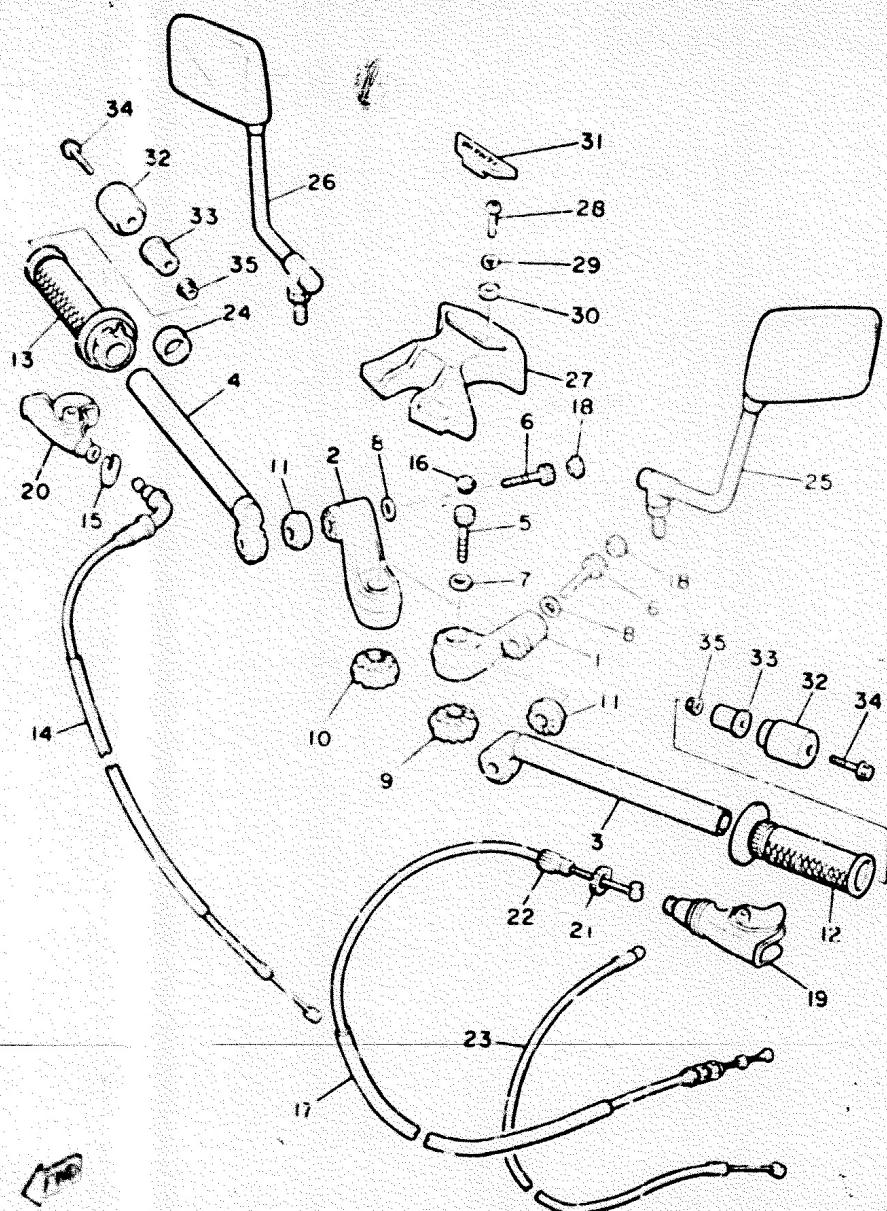
## HANDLEBAR - CABLE



Ref. No.	Part Number	Description	Qty	Remarks
19	31A-26372-00-00	COVER, handle lever 1	1	
20	31A-26372-10-00	COVER, handle lever 1	1	
21	90178-08148-00	NUT.....	1	
22	90123-08046-00	BOLT.....	1	
23	31A-26331-00-00	CABLE, starter 1.....	1	
24	31A-26249-00-00	RING, leaf.....	1	
25	31A-26290-00-00	MIRROR ASS'Y (right)	1	
26	31A-26290-10-00	MIRROR ASS'Y (left)...	1	
27	31A-26213-00-00	COVER, upper.....	1	
28	92518-06030-00	SCREW, panhead (92508-06030).....	2	
29	92906-06600-00	WASHER, plate.....	2	
30	92906-06100-00	WASHER, spring.....	2	
31	31A-26216-00-00	CAP, handlebar cover	1	
32	31A-26246-00-00	END, grip.....	2	

35H110-3330

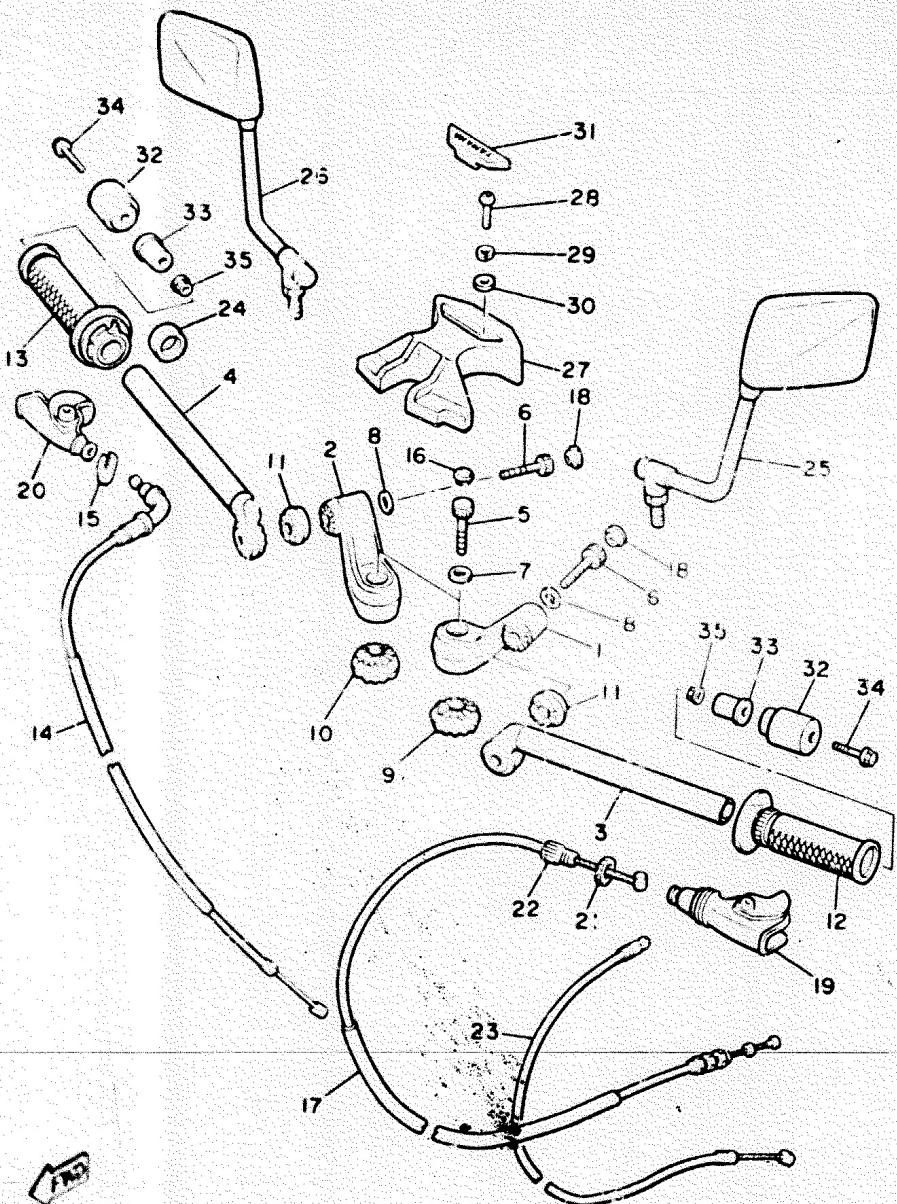
FIG. 33 STEERING HANDLE. CABLE



REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	31A-26121-01	HANDLEBAR (L.H.)	1	
2	31A-26122-01	HANDLEBAR (R.H.)	1	
3	31A-26211-00	HANDLE	1	
4	31A-26212-00	HANDLE 2	1	
5	90110-12063	BOLT, hexagon socket head	2	
6	90110-10062	BOLT, hexagon socket head	2	
7	92990-12200	WASHER, Plain	2	
8	92990-10200	WASHER, Plain	2	
9	31A-26221-01	BOSS, handlebar 1	1	
10	31A-26221-11	BOSS, handlebar 1	1	
11	31A-26228-01	BOSS, handlebar 2	2	
12	31A-26241-00	GRIP (L.H.)	1	
13	31A-26240-00	GRIP ASSY	1	
14	31A-26311-00	CABLE, throttle 1	1	
15	5H0-26393-00	HOLDER	1	
16	31A-23469-02	CAP, bolt	2	
17	31A-26335-00	CABLE, clutch	1	
18	31A-26133-00	CAP	2	
19	31A-26372-00	COVER, handle lever 1	1	
20	31A-26372-10	COVER, handle lever 1	1	
21	90179-0P148	NUT	1	
22	90123-08046	BOLT	1	
23	31A-26331-00	CABLE, starter 1	1	
24	31A-26249-00	RING, leaf	1	
25	45T-26290-30	BACK MIRROR ASSY (LEFT)	1	UR for australia, new zealand
	44X-26290-10	BACK MIRROR ASSY (LEFT)	1	UR
26	45T-26290-40	BACK MIRROR ASSY (RIGHT)	1	UR for australia, new zealand
	44X-26290-00	BACK MIRROR ASSY (RIGHT)	1	UR

42N300 4330

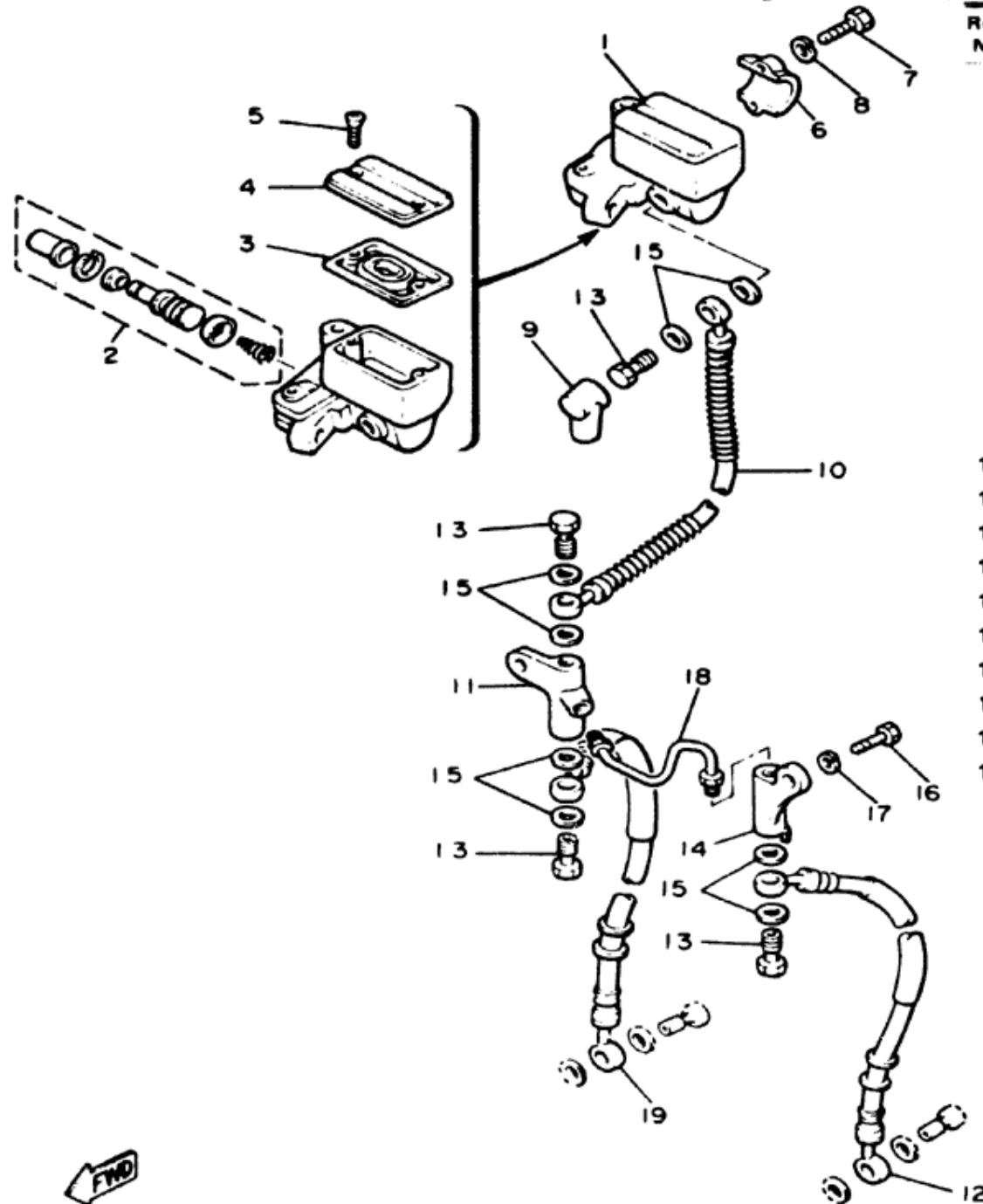
FIG. 33 STEERING HANDLE. CABLE



42A300-4336

REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
27	31A-26213-00	COVER, uPPER	1	
28	92506-06030	SCREW, Pan head	2	
29	92906-06100	WASHER, sPRING	2	
30	92906-06600	WASHER, Plate	2	
31	31A-26216-00	CAP, handlebar cover	1	
32	42N-26246-00	END, GRIP	2	
33	42N-2622F-00	DAMPER, locating 1	2	
34	91311-06070	BOLT	2	
35	95701-0E100	FLUT, flange	2	

# FRONT MASTER CYLINDER

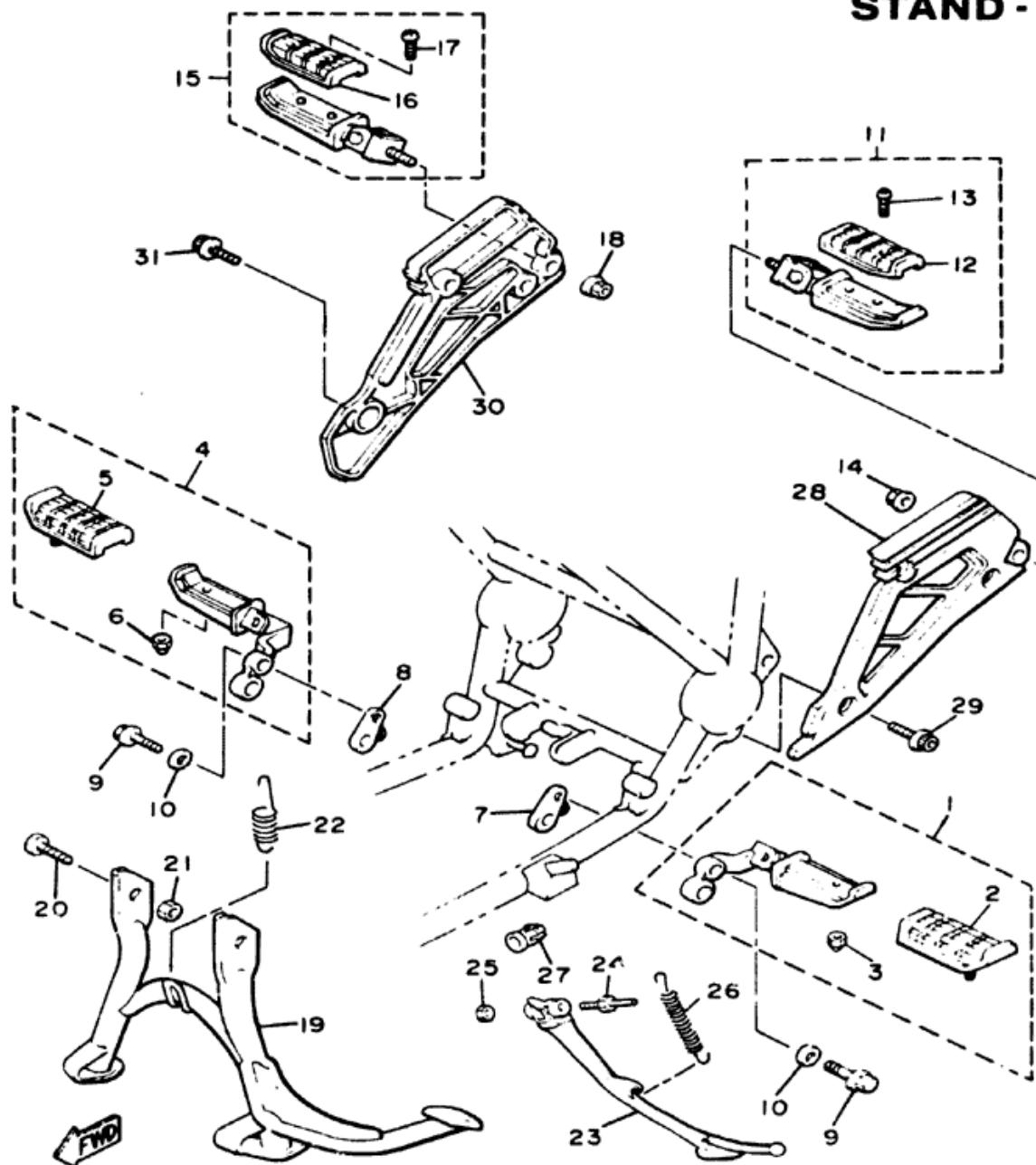


Ref. No.	Part Number	Description	Qty	Remarks
1	4KO-25850-01-00	MASTER CYLINDER ASS'Y.....	1	
2	4KO-W0041-00-00	CYLINDER KIT, master	1	
3	4KO-25854-00-00	DIAPHRAGM, reservoir.....	1	
4	4KO-25852-00-00	CAP, reservoir.....	1	
5	98706-04012-00	SCREW, flat head....	2	
6	4LO-25867-00-00	BRACKET, master cylinder .....	1	
7	97316-L6025-00	BOLT (97326-06025)...	2	
8	92906-06100-00	WASHER, spring .....	2	
9	4LO-25862-00-00	BOOT, master cylinder	1	
10	31A-25871-00-00	HOSE, brake 1 .....	1	
11	31A-25552-00-00	JOINT 2.....	1	
12	31A-25873-00-00	HOSE, brake 2 .....	1	
13	90401-10096-00	BOLT, union .....	4	
14	31A-25931-00-00	JOINT 1.....	1	
15	90201-10118-00	WASHER, plate .....	8	
16	97306-06016-00	BOLT .....	2	
17	92906-06100-00	WASHER, spring .....	2	
18	31A-25871-00-00	PIPE, brake.....	1	
19	31A-25873-10-00	HOSE, brake 2 .....	1	

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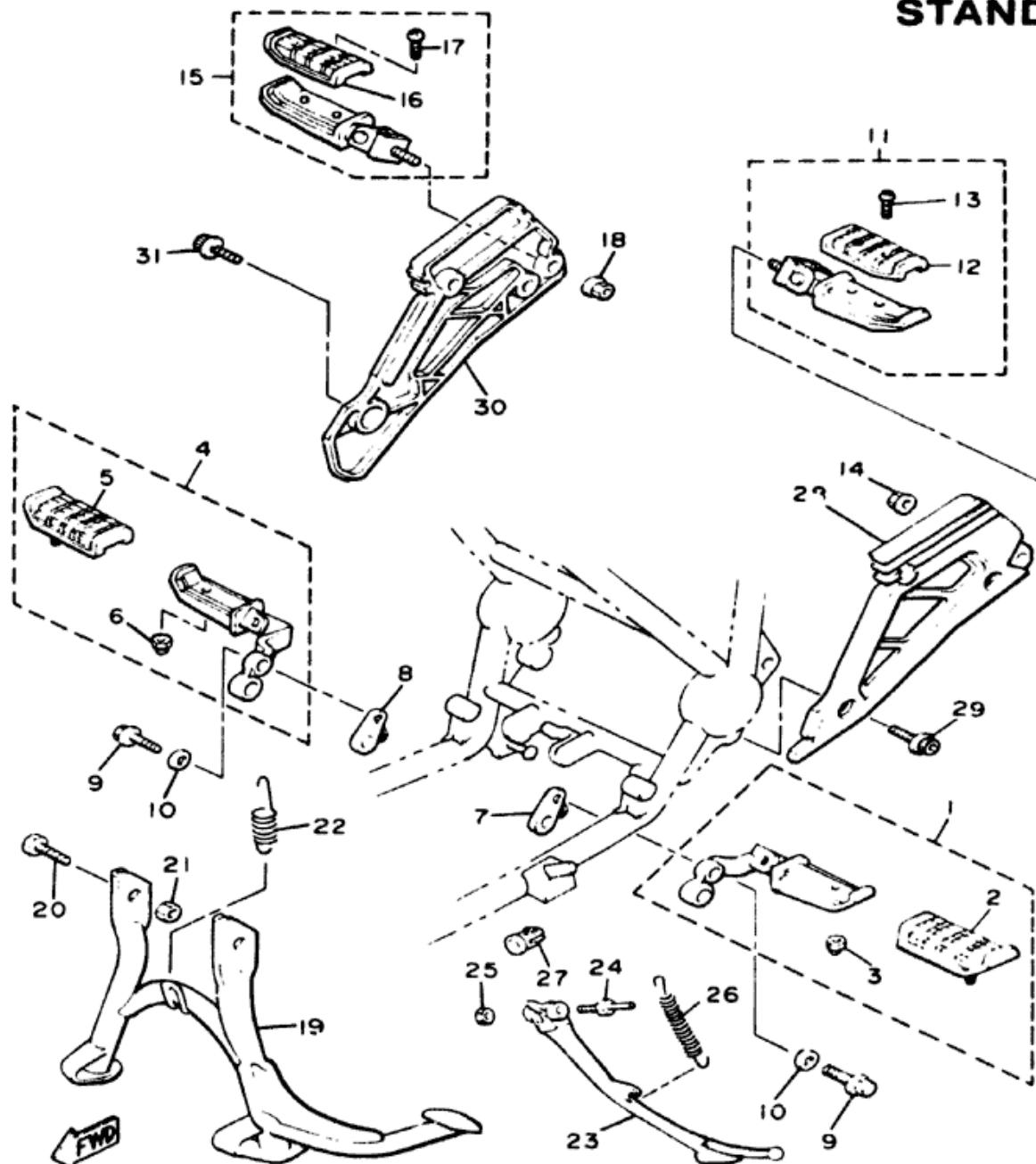
## STAND - FOOTREST



Ref. No.	Part Number	Description	Qty	Remarks
1	31A-27410-00-00	FRONT FOOTREST ASS'Y (L.H.)(31A-27410-00-39)	1	Clear No Buffing
2	22N-27413-00-00	. COVER, footrest .....	1	
3	95601-06100-00	. NUT, U .....	2	
4	31A-27420-00-00	FRONT FOOTREST ASS'Y (R.H.)(31A-27420-00-39)	1	Clear No Buffing
5	22N-27413-00-00	. COVER, footrest .....	1	
6	95601-06100-00	. NUT, U .....	2	
7	31A-27412-00-00	BRACKET, footrest 1...	1	
8	31A-27422-00-00	BRACKET, footrest 2...	1	
9	95811-10035-00	BOLT, flange .....	2	
10	90201-105A2-00	WASHER, plate .....	2	
11	31A-27430-00-00	REAR FOOTREST ASS'Y 1 .....	1	
12	22N-27433-00-00	. COVER, rear footrest	1	
13	98506-05010-00	. SCREW, pan head...	2	
14	95702-10500-00	NUT, flange (95702-10100) .....	1	

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## STAND - FOOTREST

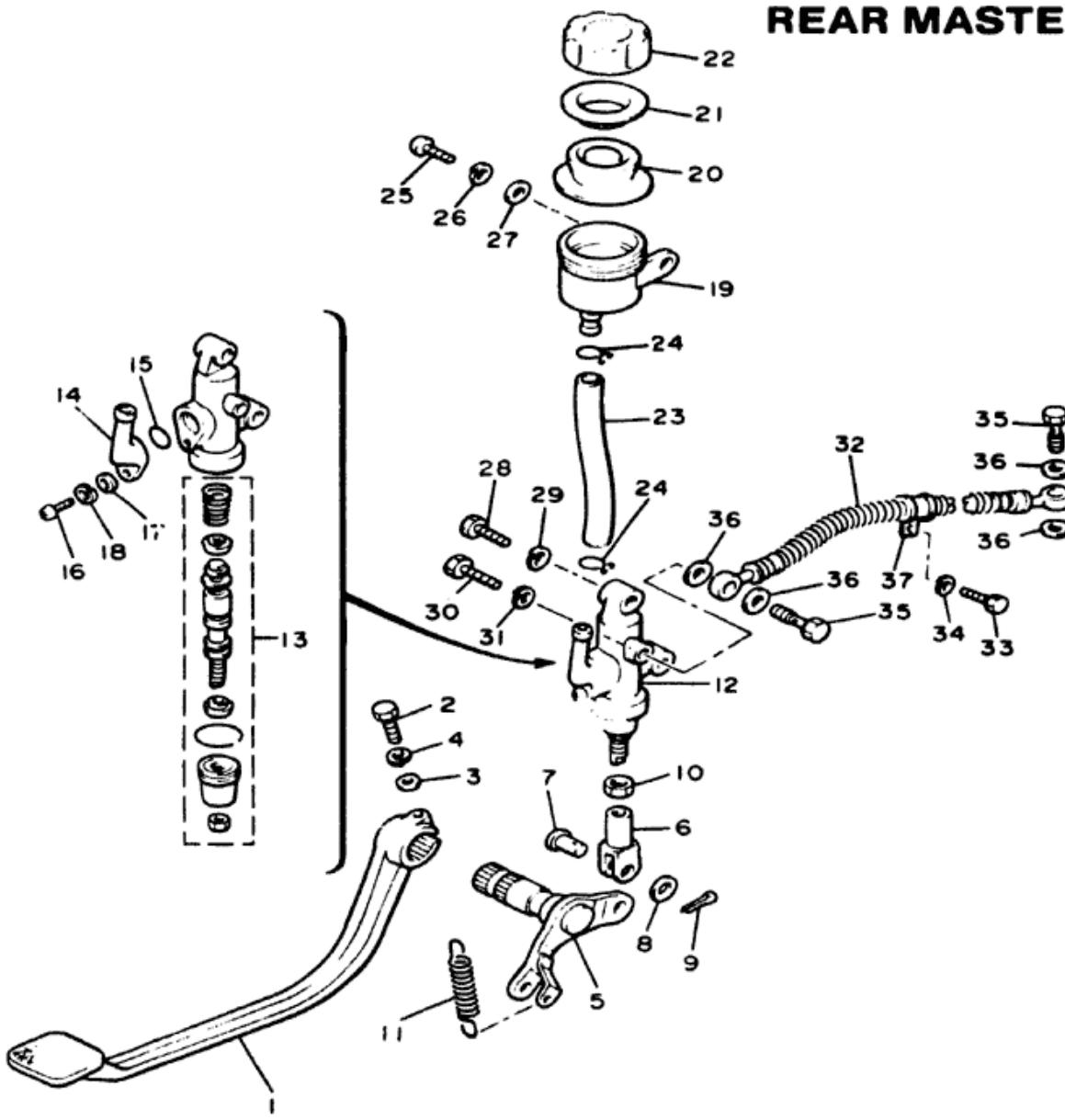


Ref. No.	Part Number	Description	Qty	Remarks
*15	31A-27440-01-00	REAR FOOTREST ASS'Y 2 (31A-27440-00)	1	
16	22N-27433-00-00	COVER, rear footrest	1	
17	98506-05010-00	SCREW, pan head...	2	
18	95702-10500-00	NUT, flange (95702-10100) .....	1	
19	31A-27111-00-R4	STAND, main .....	1	Black
20	90109-10606-00	BOLT .....	2	
21	90185-10060-00	NUT, self-locking .....	2	
22	90506-40348-00	SPRING, tension .....	1	
23	31E-27311-00-R4	STAND, side .....	1	Black
24	90109-10590-00	BOLT .....	1	
25	95301-10700-00	NUT .....	1	
26	90507-29033-00	SPRING, tension .....	1	
27	5G2-27351-00-00	GUIDE, side stand .....	1	
28	31A-27442-00-00	BRACKET 2 .....	1	
29	91311-10025-00	BOLT .....	2	
30	31A-27443-00-00	BRACKET 3 .....	1	
31	91311-10020-00	BOLT .....	2	

\*Indicates new part numbers activated from March, 1986

Item 27 on RK model only

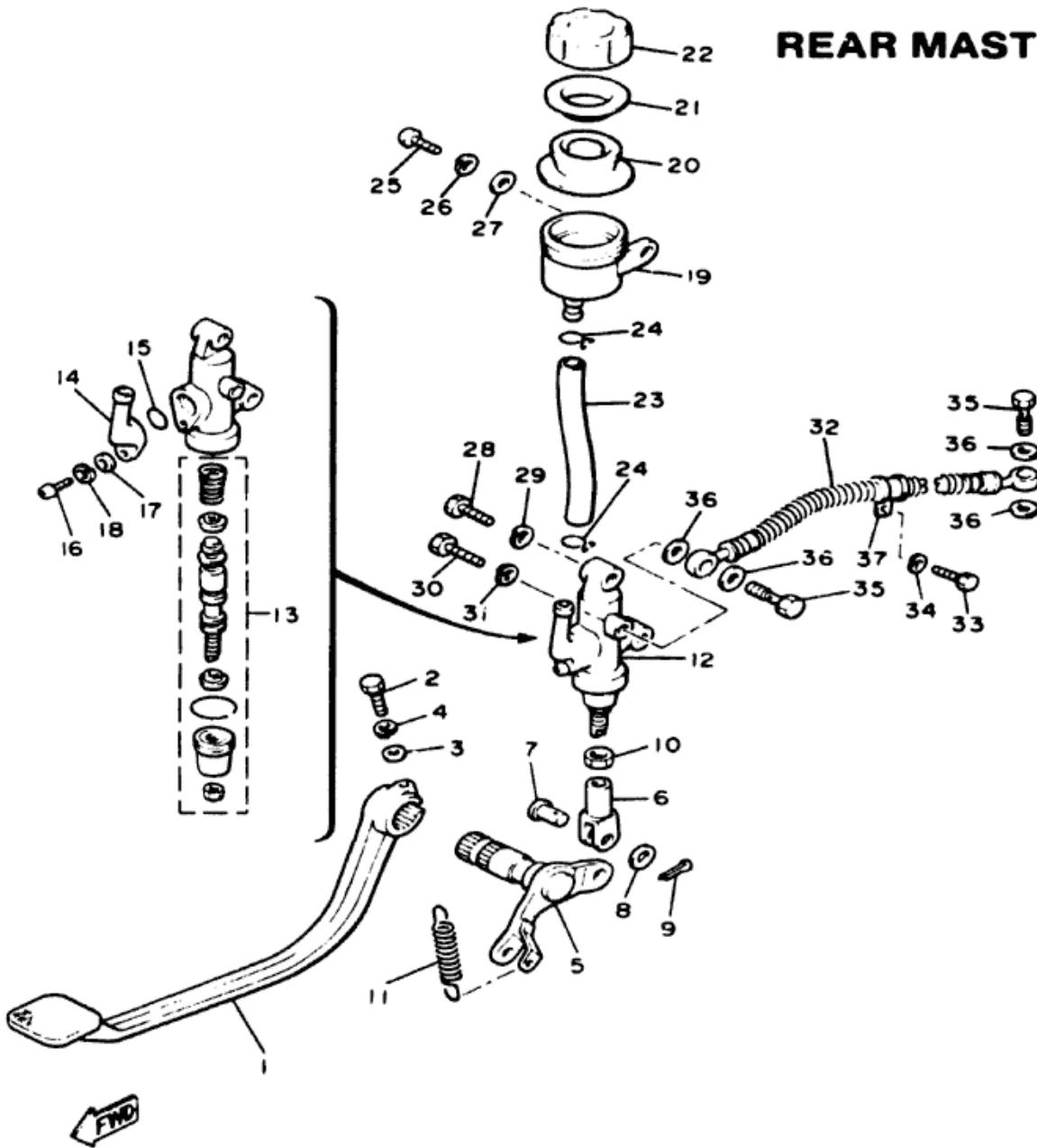
## **REAR MASTER CYLINDER**



Ref. No.	Part Number	Description	Qty	Remarks
1	31A-27211-00-00	PEDAL brake .....	1	
2	90101-06562-00	BOLT .....	1	
3	90201-061A5-00	WASHER, plate (92901-06600) .....	1	
4	92990-06100-00	WASHER, spring (92903-06100) .....	1	
5	31A-27212-00-00	SHAFT, brake pedal....	1	
6	31A-27222-00-00	JOINT .....	1	
7	90240-08013-00	PIN, clevis.....	1	
8	90201-08083-00	WASHER, plate .....	1	
9	91401-20015-00	PIN, cotter.....	1	
10	95303-08700-00	NUT (95301-08700)....	1	
11	90506-20249-00	SPRING, tension .....	1	
12	31A-25850-50-00	MASTER CYLINDER ASS'Y.....	1	
13	31A-W0042-50-00	CYLINDER KIT, master	1	
14	31A-2582A-50-00	JOINT.....	1	
15	93210-15620-00	O-RING.....	1	
16	98506-04012-00	SCREW, pan head....	1	
17	92906-04800-00	WASHER, plate.....	1	
18	92906-04100-00	WASHER, spring.....	1	

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## REAR MASTER CYLINDER

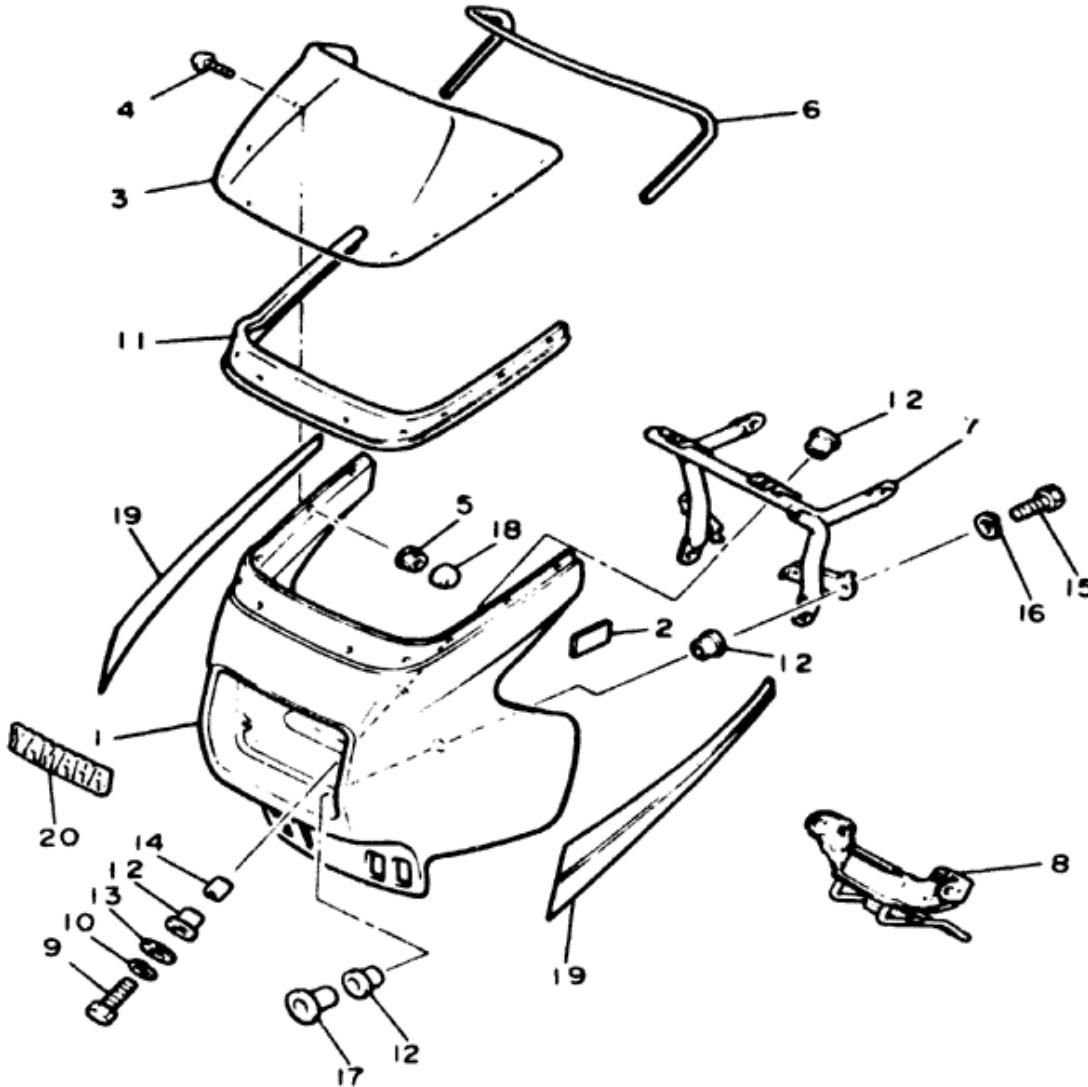


Ref. No.	Part Numbr.	Description	Qty	Remarks
19	31A-25894-00-00	TANK, reservoir .....	1	
20	360-25854-00-00	DIAPHRAGM, reservoir	1	
21	360-25855-01-00	BUSH, diaphragm.....	1	
22	1A1-25852-00-00	CAP, reservoir.....	1	
23	31A-25895-00-00	HOSE, reservoir .....	1	
24	90460-18068-00	CLAMP, hose .....	2	
25	92580-06020-00	SCREW, panhead (92503-06020) .....	1	
26	92990-06100-00	WASHER, spring (92903-06100) .....	1	
27	92990-06200-00	WASHER, plain (92903-06200) .....	1	
28	97326-08025-00	BOLT .....	1	
29	92906-08100-00	WASHER, spring .....	1	
30	97326-08035-00	BOLT .....	1	
31	92906-08100-00	WASHER, spring .....	1	
32	31A-25872-50-00	HOSE, brake 1 .....	1	
33	97326-06012-00	BOLT .....	1	
34	92906-06100-00	WASHER, spring .....	1	
35	90401-10096-00	BOLT, union .....	2	
36	90201-10118-00	WASHER, plate .....	4	
37	90461-08031-00	CLAMP .....	1	

Items 26 and 27 on RK model only

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# FAIRING

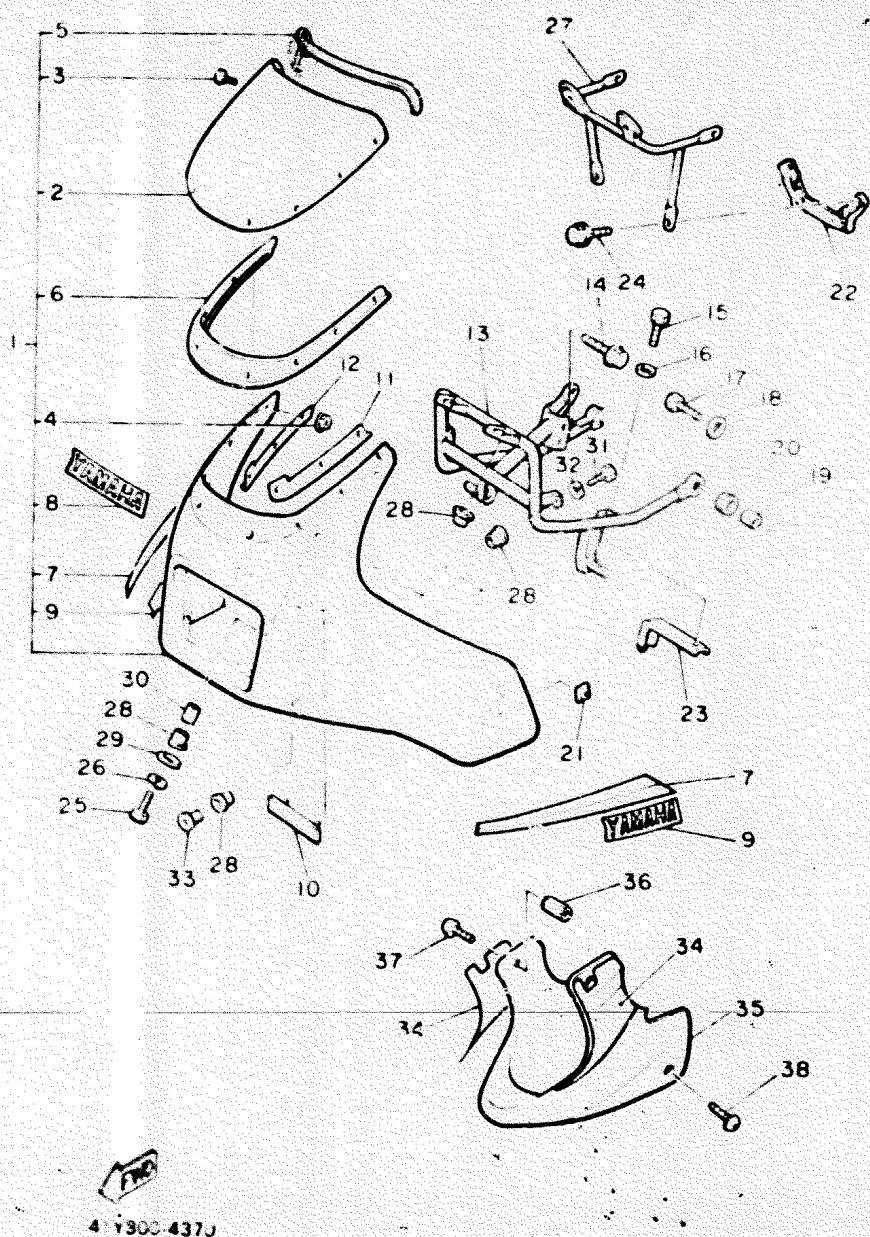


Ref. No.	Part Number	Description	Qty	Remarks
1	31A-28351-00-2U	BODY, cowling.....	1	Super Red
2	31A-28217-00-00	DAMPER 1 .....	2	
3	31A-28381-02-00	WINDSHIELD (35H-28381-01).....	1	
4	90157-05033-00	SCREW, pan head .....	8	
5	95706-05500-00	NUT, flange (95706-05100).....	8	
6	5K7-28376-00-00	TRIM .....	1	
7	31A-28356-00-00	STAY 1.....	1	
8	31A-28357-00-00	STAY 2.....	1	
9	97306-06035-00	ROLT .....	2	
10	92906-06100-00	WASHER, spring .....	2	
11	31A-28345-00-00	MOLE 1.....	1	
12	90480-22362-00	GROMMET .....	8	
13	90201-06074-00	WASHER, plate .....	2	
14	90560-08237-00	SPACER .....	2	
15	97306-06012-00	BOLT .....	2	
16	92906-06100-00	WASHER, spring .....	2	
17	90387-050J5-00	COLLAR.....	2	
18	5K0-28349-50-00	CAP .....	8	
19	31A-28390-30-00	GRAPHIC SET, cowling	1	For Red
20	31A-28338-00-00	EMBLEM.....	1	For Red

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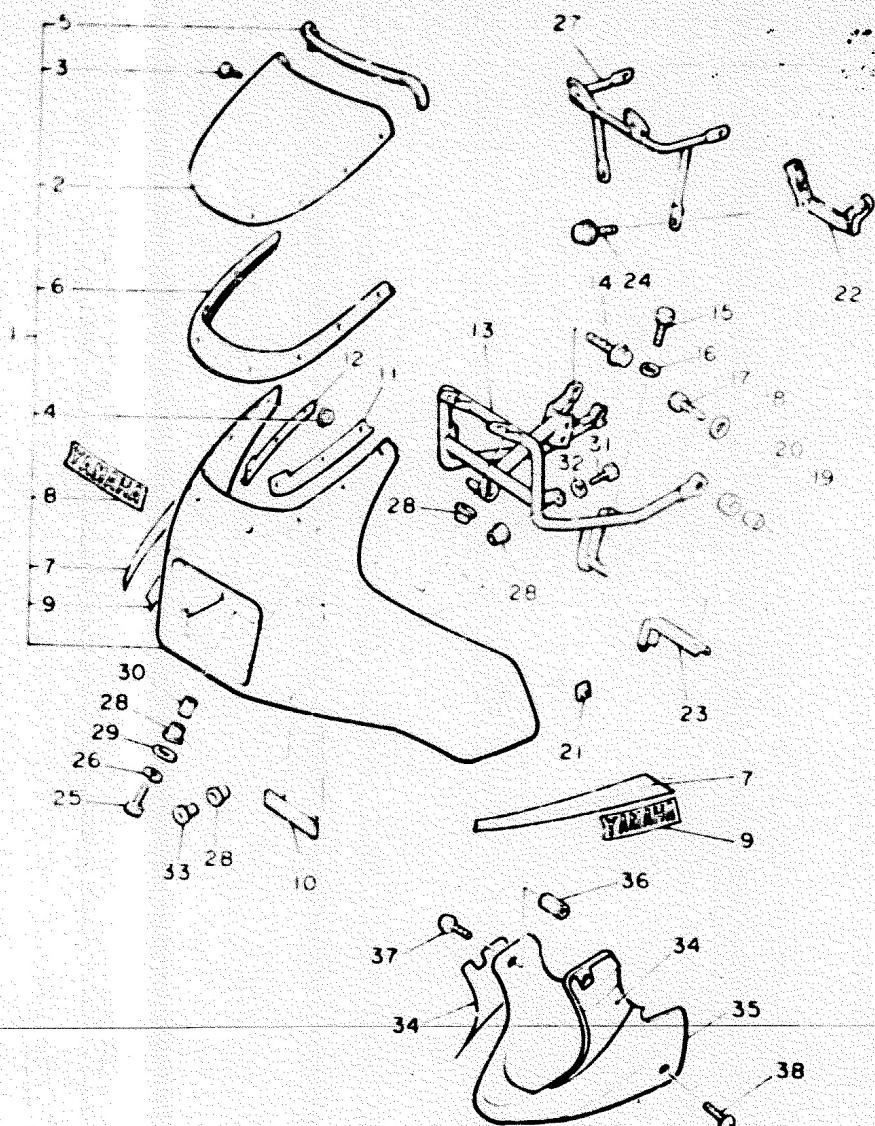


FIG. 37 COWLING 1



REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	42N-W2838-00-13	COWLING ASSY	1	stormy red/silky white
2	31A-28381-02	WINDSHIELD	1	
3	90157-05058	SCREW, Pan head	8	
4	95706-05100	NUT, flange	8	
5	42N-28376-00	TRIM	1	
6	31A-28345-00	MOLE 1	1	
7	44X-28390-01	GRAPHIC SET, cowling	1	
8	44X-28338-00	EMBLEM	1	
9	51J-2839H-00	EMBLEM 1	2	
10	31A-28336-00	PLATE	1	
11	42N-28335-00	PLATE	1	
12	42N-28336-00	PLATE	1	
13	42N-28356-00	STAY 1	1	
14	95816-08012	BOLT, flange	3	
15	97306-06010	BOLT	2	
16	90201-06059	WASHER, Plate	2	
17	97306-06020	BOLT	2	
18	90201-067AC	WASHER, Plate	2	
19	90387-060A7	COLLAR	2	
20	90480-18276	GROMMET	2	
21	42N-28317-00	NUT, emblem	2	
22	42N-28357-00	STAY 2	1	
23	42N-2831U-00	STAY, side 1	2	
24	95806-06010	BOLT, flange	2	
25	97306-06035	BOLT	2	
26	92906-06100	WASHER, spring	2	
27	42N-28358-00	STAY	1	
28	90480-22362	GROMMET	0	

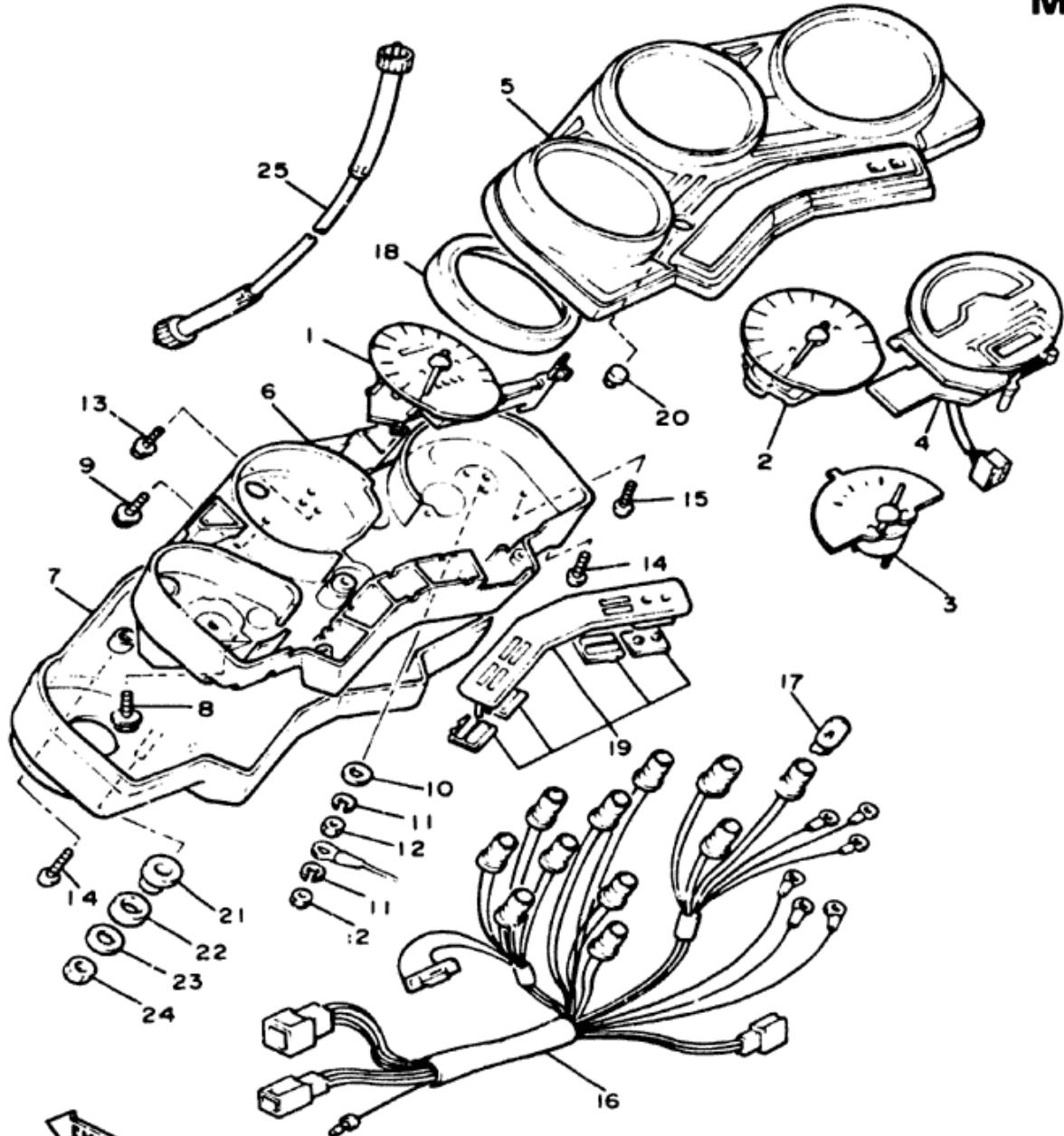
**FIG. 37 COWLING I**



41Y300-4336

REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
29	90201-06074	WASHER, Plate	2	
30	90560-00237	SPACER	2	
31	97306-06012	BOLT	2	
32	92906-06100	WASHER, Spring	2	
33	90387-050JS	COLLAR	2	
34	48G-28301-01	GRAPHIC SET, lower cover	1	
35	42N-28303-00-GE	COVER, lower	1	silky white
36	42N-2834K-00	BOSS	2	
37	90154-05001	SCREW, binding	2	
38	90154-06014	SCREW, binding	2	

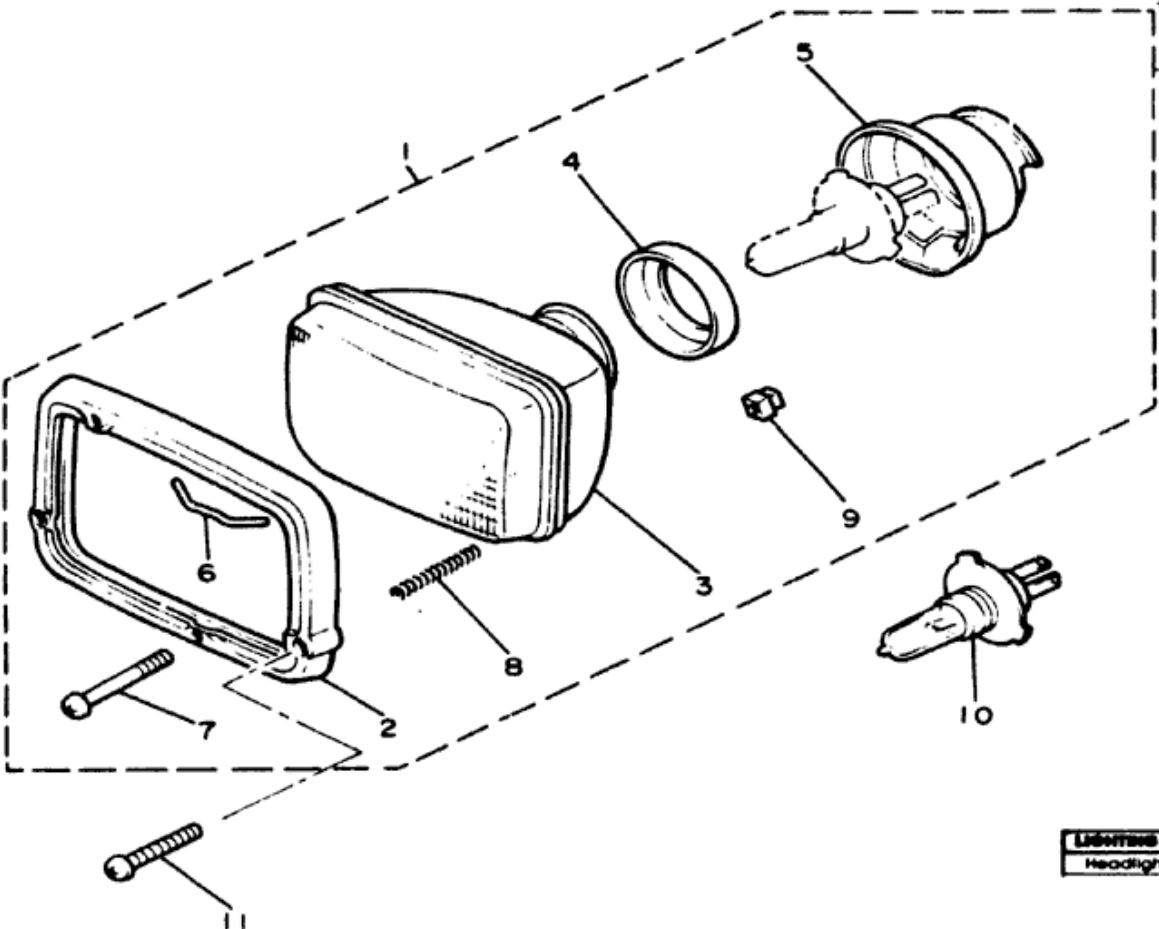
# METER



Ref. No.	Part Number	Description	Qty	Remarks
1	35H-83570-A0-00	SPEEDOMETER ASS'Y	1	
2	31E-83540-00-00	TACHOMETER ASS'Y	1	
3	29R-85750-00-00	FUEL METER ASS'Y (31A-85750-00)	1	
4	31A-83740-00-00	DIGITAL CLOCK ASS'Y	1	
5	31A-8353G-00-00	CASE, upper	1	
6	31A-8353H-00-00	CASE, inner	1	
7	31A-83559-00-00	COVER, meter	1	
8	90167-04021-00	SCREW, tapping	2	
9	90159-04043-00	SCREW, w/washer	2	
10	92902-03600-00	WASHER	3	
11	92990-03100-00	WASHER, spring (92903-03100)	4	
12	95301-03600-00	NUT	4	
13	90159-03044-00	SCREW, w/washer	3	
14	90164-04006-00	SCREW, tapping	7	
15	90164-03018-00	SCREW, tapping	3	
16	31A-83509-00-00	SOCKET CORD ASS'Y	1	
17	4G1-84744-00-00	BULB (12V-3.4W)	11	
18	31A-8353L-00-00	REFLECTOR	3	
19	31A-8357X-00-00	PANEL ASS'Y	1	
20	29L-83578-0U-00	KNOB, trip meter	1	
21	31A-83552-00-00	DAMPER	2	
22	31A-83593-00-00	DAMPER	2	
23	90201-060A3-00	WASHER, plate	2	
24	95301-06600-00	NUT	2	
25	34L-83550-01-00	SPEEDOMETER CABLE ASS'Y (16M-83550-00)	1	

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# HEADLIGHT



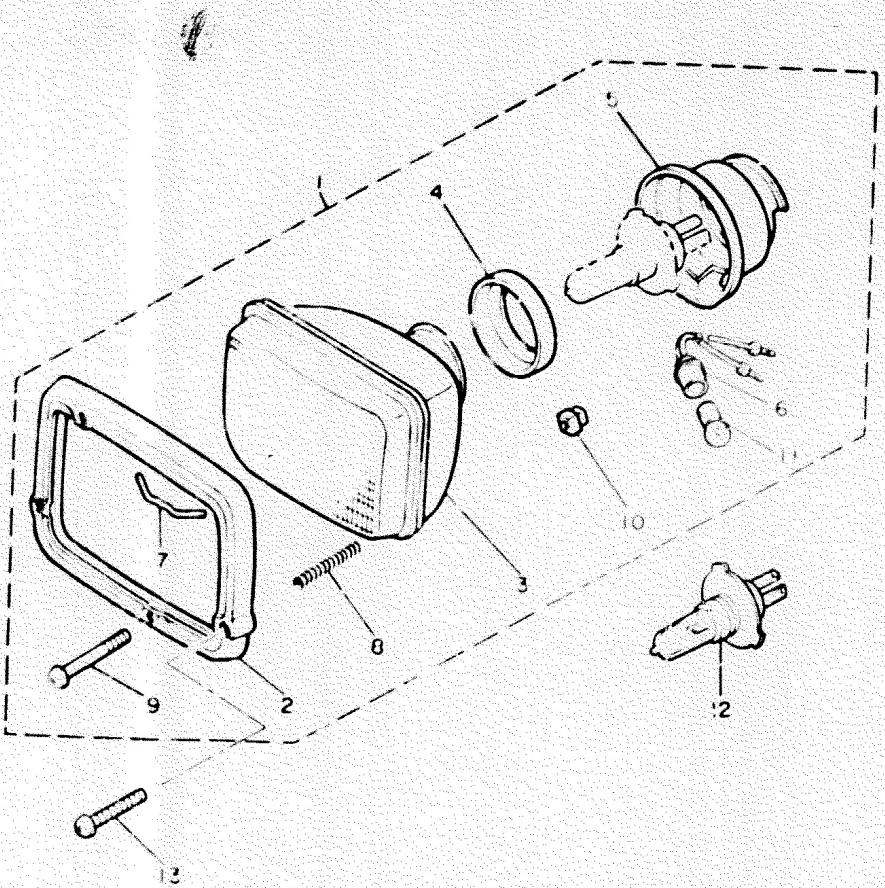
Ref. No.	Part Number	Description	Qty	Remarks
1	31E-84303-A0-00	HEADLIGHT UNIT ASS'Y.....	1	
2	31A-84315-00-00	RIM, headlight.....	1	
3	11H-84321-60-00	LENS, headlight (10L-84321-A0).....	1	
4	2F9-84375-00-00	FITTING PLATE, bulb	1	
5	2F9-84397-01-00	COVER, socket.....	1	
6	5G2-84324-A0-00	SPRING, reflector....	1	
7	10W-84331-00-00	SCREW, rim adjusting	2	
8	5G2-84332-60-00	SPRING, screw.....	2	
9	198-84334-60-00	NUT, adjusting.....	2	
10	5V2-84314-00-XX	BULB (12V-60/55W) ...	1	LM
11	92780-06530-00	SCREW, oval head (92603-06030) .....	2	

LIGHTING SYSTEM	
Headlight / Taillight / Signal Rotating	12V60-55W / 12V27-8W / 12V27W



31E171-3430

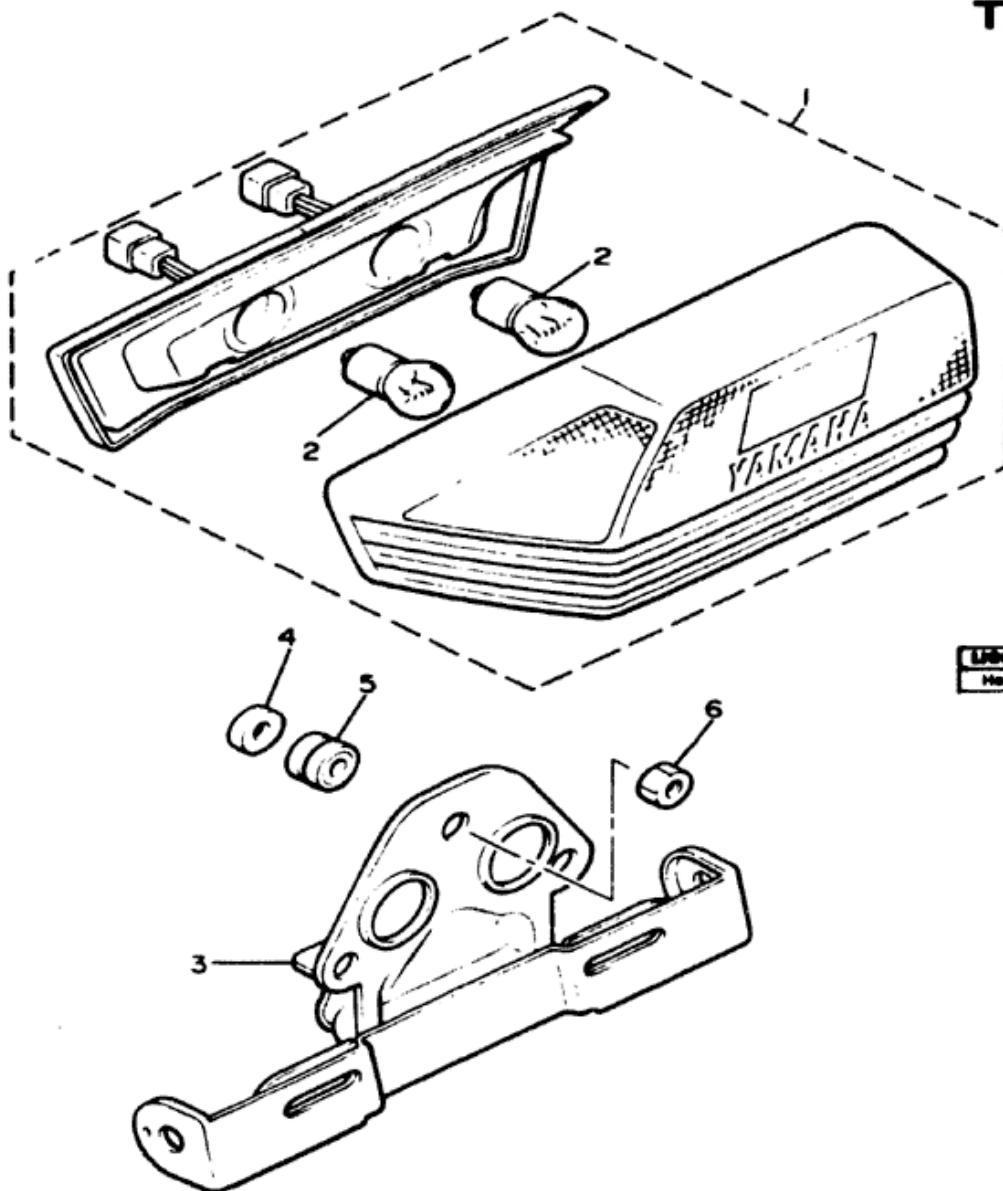
FIG. 43 HEADLIGHT



REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	31A-84303-E0	HEADLIGHT UNIT ASSY	1	
2	31A-84316-00	•RIM, headlight	1	
3	11U-84321-E0	•LENS, headlight	1	
4	2F9-84375-00	•FITTING PLATE, bulb	1	
5	2F9-84387-01	•COVER, socket	1	
6	457-84-4-85	•SOCKET, Pilot light	1	
7	5G2-84324-A0	•SPRING, reflector	1	
8	5G2-84332-60	•SPRING, screw	2	
9	25C-84331-60	•SCREW, rim adjusting	2	
10	198-84334-60	•NUT, adjusting	2	
11	123-83516-21	•BULB (12V-3.4W)	1	
12	*	BULB (12V-60/55W)	1	LM
13	92603-0E030	SCREW, oval head	2	

FWD  
31A310 3430

# TAILLIGHT



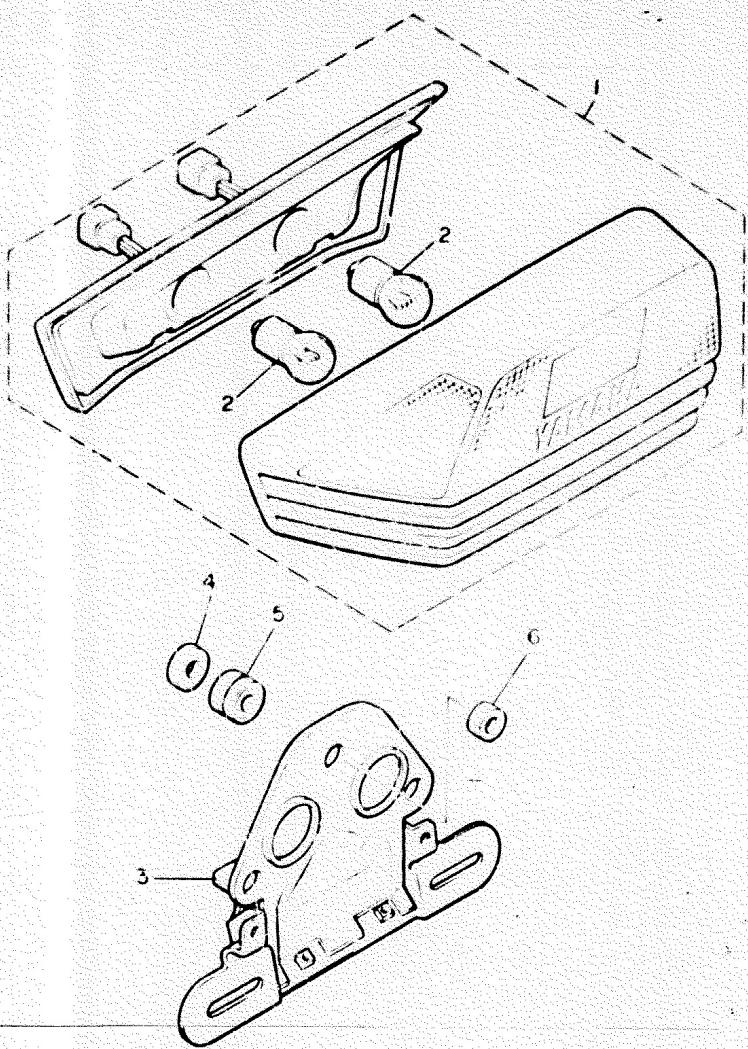
Ref. No.	Part Number	Description	Qty	Remarks
1	31E-84710-60-00	TAILLIGHT UNIT ASS'Y	1	
2	256-84714-61-00	BULB (12V-27/8W) (4G0-84714-00).....	2	
3	31E-84751-60-00	BRACKET, license .....	1	
4	4G0-84725-00-00	WASHER, special.....	3	
5	4G0-84754-00-00	WASHER, special .....	3	
6	95301-06600-00	NUT (95302-06600)	3	

LUMINANCE SYSTEMS	Headlight / Taillight / Signal Rating	12V60-68W / 12V27-8W / 12V27W
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31E171-3440

FIG. 44 TAILLIGHT

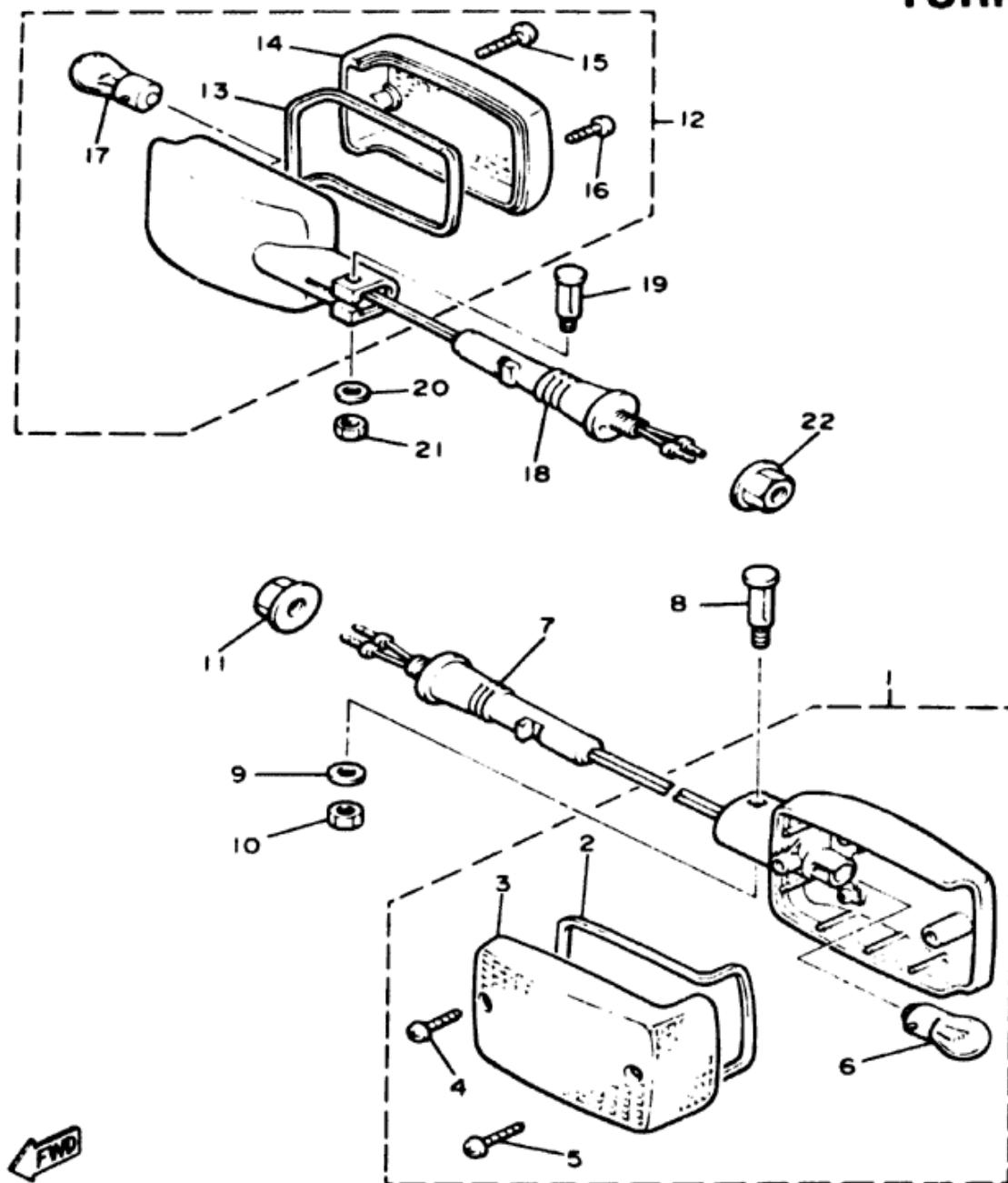


REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	29P-84710-00	TAILLIGHT UNIT ASSY	1	
2	4G0-84714-00	BULB (12V-27/BW)	2	
3	31A-84751-E0	BRACKET, license	1	
4	4G0-8472E-00	WASHER, special	3	
5	4G0-84764-00	WASHER, special	3	
6	95302-06600	NUT	3	

41Y310-4440



# TURN SIGNAL



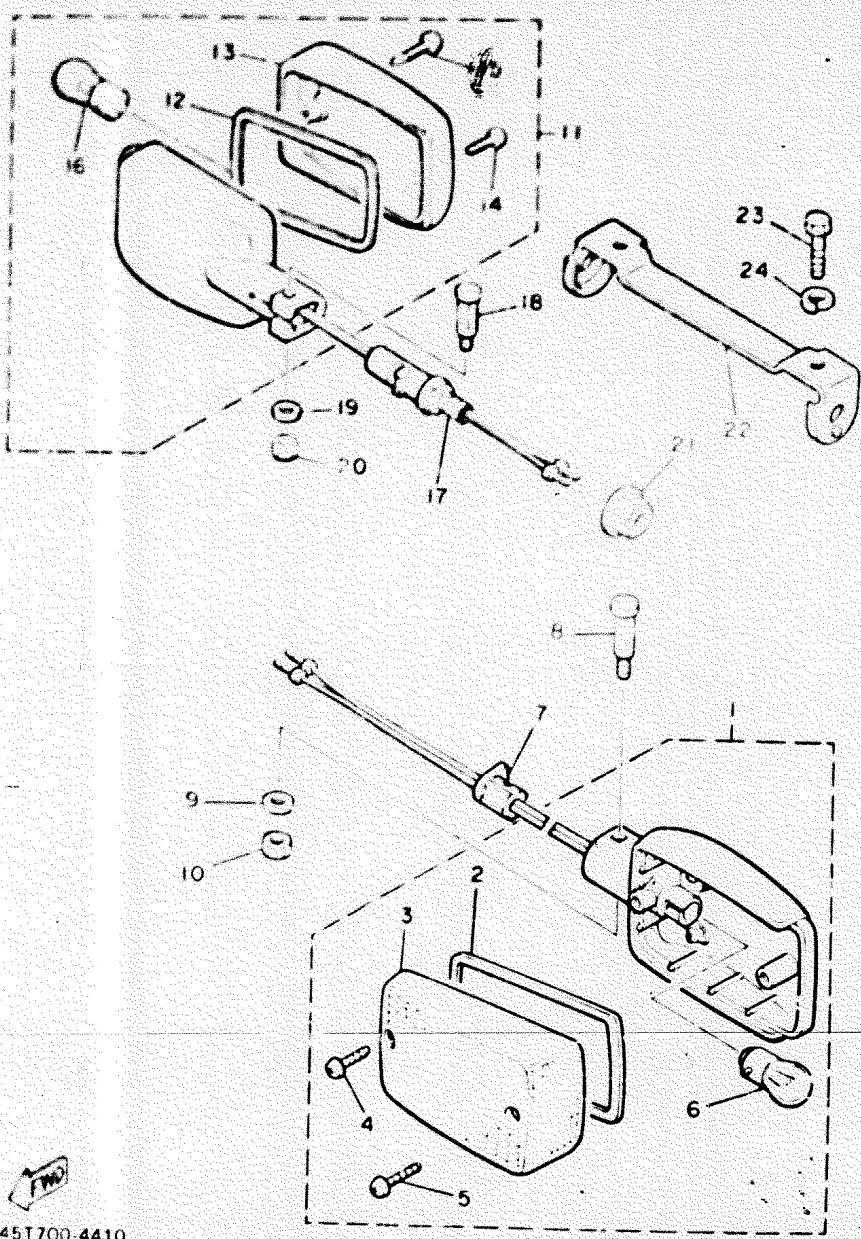
Ref. No.	Part Number	Description	Oty	Remarks
1	31E-83301-70-00	FRONT FLASHER LIGHT ASS'Y.....	2	
2	5G2-83313-00-00	GASKET, flasher lens	1	
3	5G2-83312-00-00	LENS, flasher.....	1	
4	98503-04014-00	SCREW, panhead (98580-04014).....	1	
5	97702-40535-00	SCREW, tapping .....	1	
6	256-83311-70-00	BULB (12V-27W).....	1	
7	4GO-83318-00-00	STAY, flasher 1.....	2	
8	4GO-83317-00-00	BOLT, flasher 1.....	2	
9	92990-05600-00	WASHER, plate (92903-05600) .....	2	
10	95303-05600-00	NUT .....	2	
11	94702-12500-00	NUT, flange.....	2	
12	31E-83301-70-00	REAR FLASHER LIGHT ASS'Y (31E-83303-70)	2	
13	5G2-83313-00-00	GASKET, flasher lens	1	
14	5G2-83312-00-00	LENS, flasher.....	1	
15	98503-04014-00	SCREW, panhead (98580-04014).....	1	
16	97702-40535-00	SCREW, tapping .....	1	
17	256-83311-70-00	BULB (12V-27W).....	1	
18	4GO-83318-00-00	STAY, flasher 1.....	2	
19	4GO-83317-00-00	BOLT, flasher 1.....	2	
20	92990-05600-00	WASHER, plate (92903-05600) .....	2	
21	95303-05600-00	NUT .....	2	
22	95702-12500-00	NUT, flange (95702-12100) .....	2	

LIGHTING SYSTEM		
Headlight / Foglight / Signal Rating		12V60-55W / 12V27-5W / 12V27W

31E171-3410



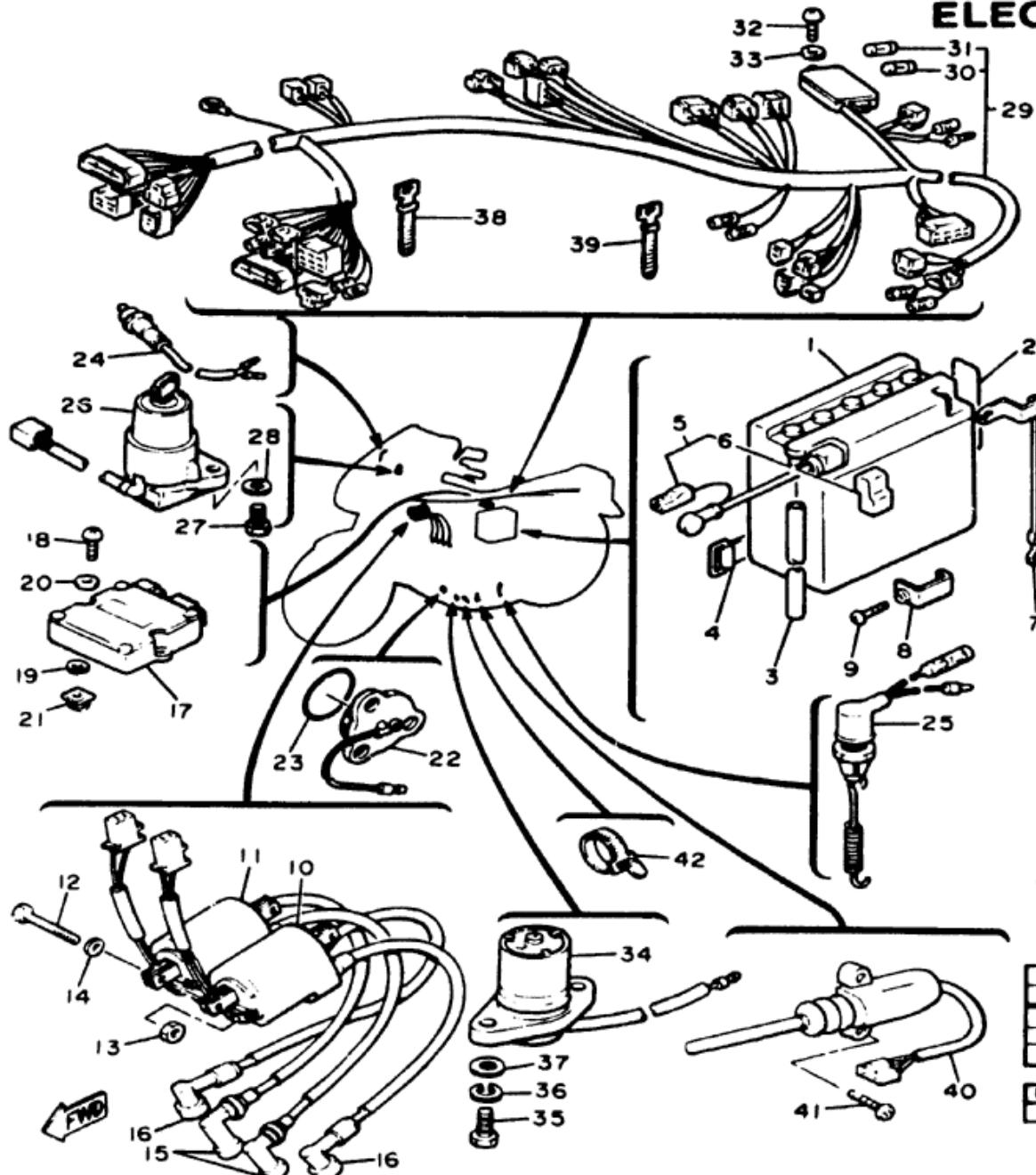
FIG. 41 FLASHER LIGHT



REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	31E-83301-70	FRONT FLASHER LIGHT ASSY	2	
2	6G2-83313-00	•GASKET, flasher lens	1	
3	6G2-83312-00	•LENS, flasher	1	
4	98501-04016	•SCREW, Pan head	1	
5	97702-40535	•SCREW, tapping	1	
6	256-83311-70	•BULB (12V-27W)	1	
7	4L0-83321-0	DAMPER, flasher 1	2	
8	4G0-83317-00	BOLT, flasher 1	2	
9	92903-05600	WASHER, Plate	2	
10	95303-05600	NUT	2	
11	31E-83303-70	REAR FLASHER LIGHT ASSY	2	
12	6G2-83313-00	•GASKET, flasher lens	1	
13	6G2-83312-00	•LENS, flasher	1	
14	98501-04016	•SCREW, Pan head	1	
15	97702-40535	•SCREW, tapping	1	
16	256-83311-70	•BULB (12V-27W)	1	
17	4G0-83318-00	STAY, flasher 1	2	
18	4G0-83317-00	BOLT, flasher 1	2	
19	92903-05600	WASHER, Plate	2	
20	95303-05600	NUT	2	
21	95702-12100	NUT, flange	2	
22	4V8-83318-00	STAY, flasher 1	1	
23	97306-06100	BOLT	2	
24	92J06-06100	WASHER, spring	2	

45T700-4410

# ELECTRICAL 1



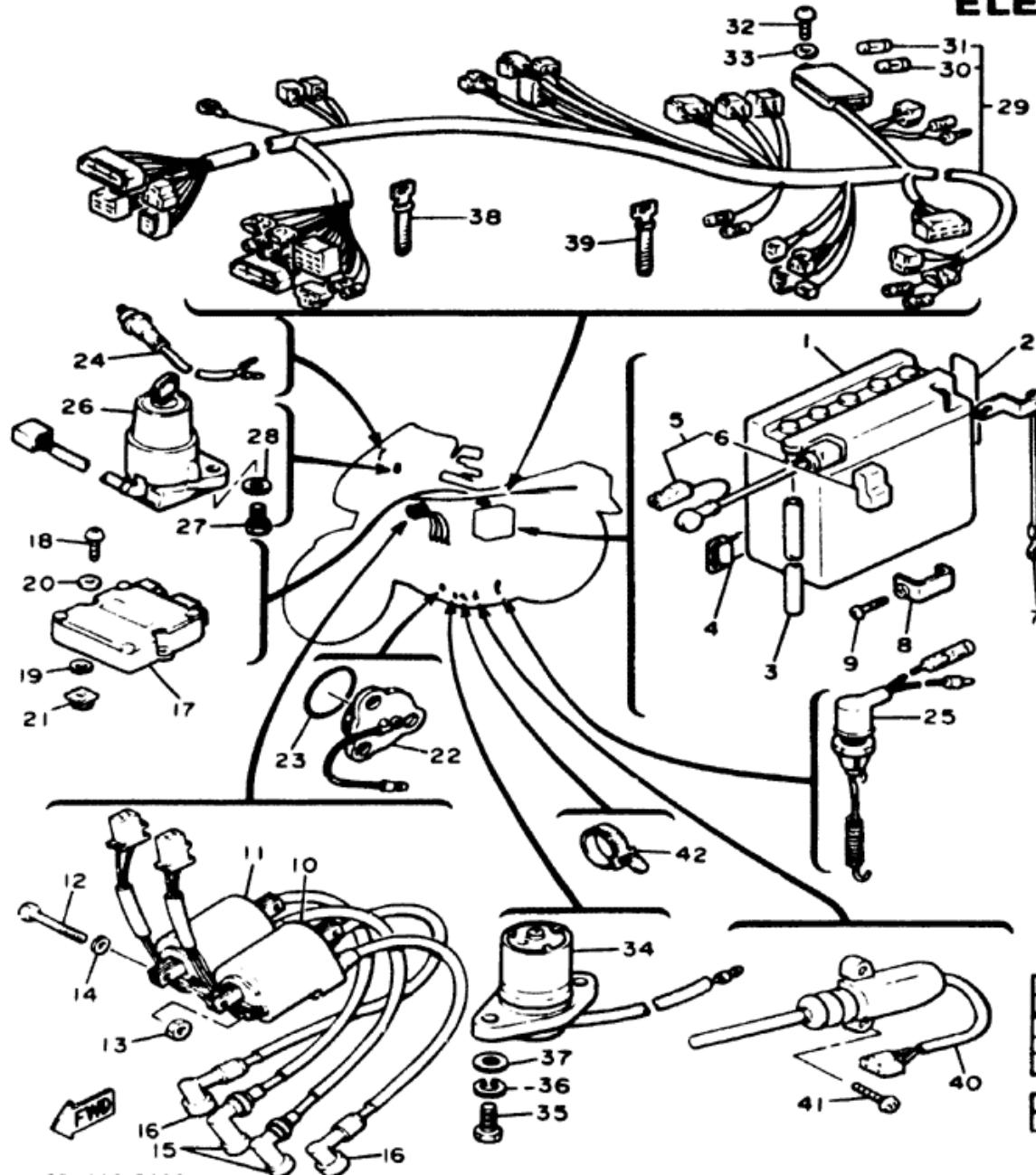
35H110-3460

Ref. No.	Part Number	Description	Qty	Remarks
1	BTY-YB14L-A2-00	BATTERY ASS'Y (YUASA YB14L-A2)(447-82110-79)	1	
2	118-82141-09-00	LABEL, batter (LIT-82141-09)	1	
3	90445-08336-00	HOSE	1	
4	137-82131-01-00	BAND, battery	1	
5	12R-82115-00-00	WIRE plus lead (31A-82115-00)	1	
6	31A-82119-00-00	COVER, lead wire	1	
7	5G2-82116-00-00	WIRE, minus lead	1	
8	5G2-82103-00-00	TERMINAL 1	2	
9	90153-06032-00	SCREW, hexagon	2	
10	4H7-82310-61-00	IGNITION COIL ASS'Y	1	
11	4H7-82320-61-00	IGNITION COIL ASS'Y	1	
12	97321-06080-00	BOLT (98301-06080)	2	
13	95301-06600-00	NUT (95302-06600)	2	
14	92990-06200-00	WASHER, plain (92903-06200)	2	
15	1J7-82370-00-00	PLUG CAP ASS'Y	2	
16	256-82370-00-00	PLUG CAP ASS'Y	2	
17	31A-82305-10-00	IGNITOR UNIT ASS'Y	1	
18	92503-06015-00	SCREW, panhead (92501-06014)	2	
19	92990-06100-00	WASHER, spring (92903-06100)	2	
20	90201-061A5-00	WASHER (92901-06600)	2	
21	4G0-21736-00-00	NUT, plate	2	

\*Indicates new part numbers activated from March, 1986.

Battery Model / Specific Gravity / Charge Rate	YB14L (12V14A) / 1.280 / 1.4A
Maximum Output	14V18A @ 8000 rpm
Ignition Coil Test Gap : Primary G / Secondary G	6mm / 2.70 ± 10% / 13.2kΩ ± 20%
Pulse Cap or Pickup Coil Color Code / G	Org ~ Blk, Grn ~ Blk / 120Ω ± 10%
Source Coil Color Code / G	Blk
<b>LIGHTING SYSTEM</b>	
Headlight / Taillight / Signal Rating	12V40-55W / 12V27-5W / 12V27W

# ELECTRICAL 1

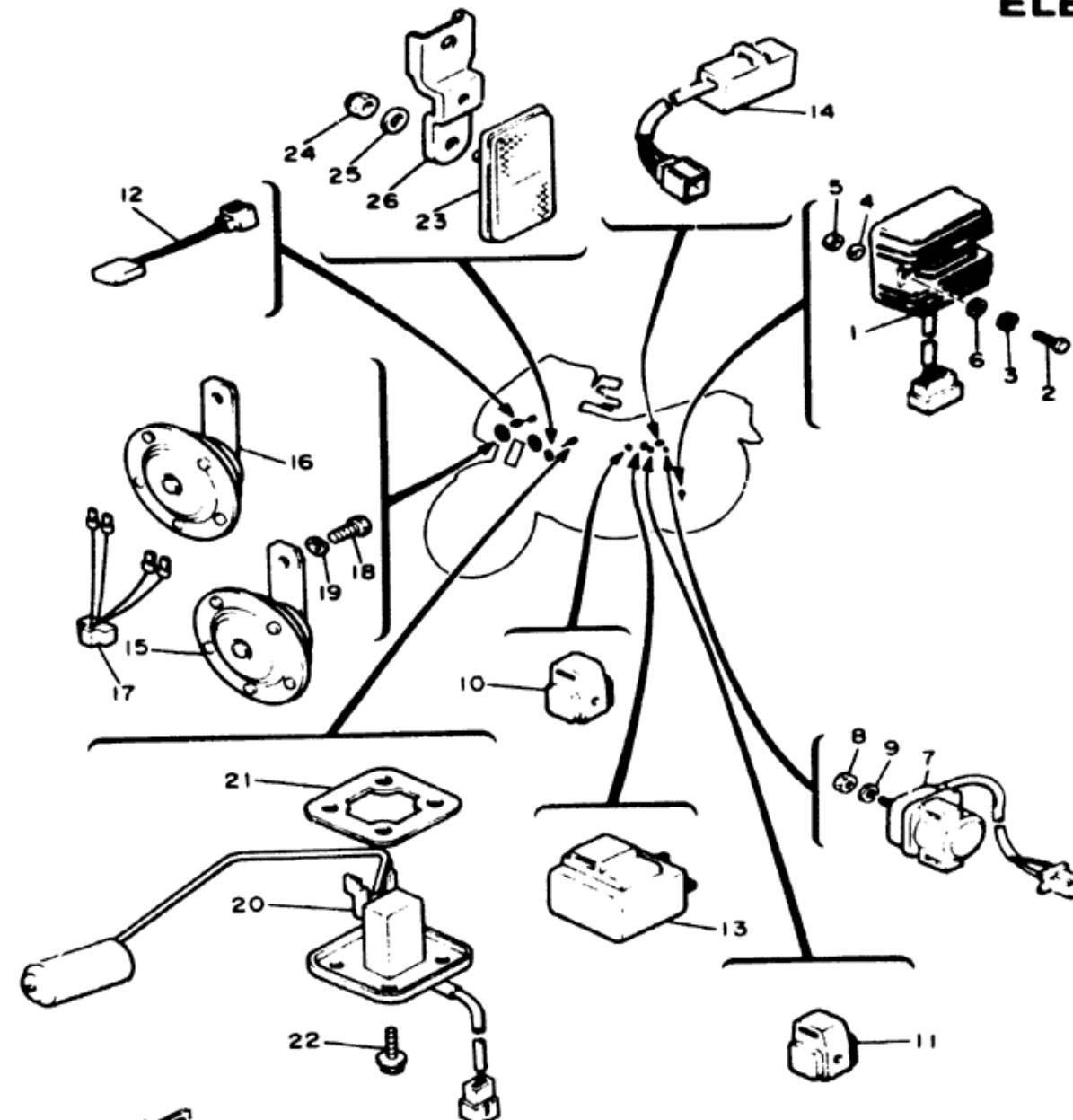


35H110-3460

Ref. No.	Part Number	Description	Qty	Remarks
22	341-82540-01-00	NEUTRAL SWITCH ASS'Y (2H7-82540-00)	1	
23	90430-10027-00	GASKET (90430-10148)	1	
24	1A0-83980-30-00	FRONT STOP SWITCH ASS'Y.....	1	
25	1E9-82530-00-00	STOP SWITCH ASS'Y	1	
26	47M-82501-50-00	MAIN SWITCH ASS'Y (4H7-82508-50) .....	1	
27	97321-06016-00	BOLT (97322-06016)...	2	
28	90201-061A5-00	WASHER (92901-06600)	2	
29	31E-82590-50-00	WIRE HARNESS ASS'Y	1	
30	116-82151-00-00	FUSE (12V-10A) .....	3	
31	2H7-82151-00-00	FUSE (12V-30A) .....	1	
32	97702-50112-00	SCREW, tapping.....	2	
33	92901-06600-00	WASHER, plate .....	2	
34	4H7-85720-01-00	OIL LEVEL GAUGE ASS'Y (4H7-85720-00)	1	
35	97011-06020-00	BOLT (97321-06020)...	2	
36	92990-06100-00	WASHER, spring (92903-06100) .....	2	
37	90201-061A5-00	WASHER, plate (92901-06600) .....	2	
38	447-82591-00-00	BAND .....	1	
39	341-26397-01-00	BAND .....	4	
40	5G8-82566-00-00	SWITCH, side stand ..	1	
41	98706-05016-00	SCREW, flat head.....	2	
42	341-26397-01-00	BAND .....	1	

Battery Model / Specific Gravity / Charge Rate	YB14L (12V14A) / 1.280 / 1.4A
Maximum Output	14V18A @ 5000 rpm
Ignition Coil Test Gap : Primary G / Secondary S	6mm : 2.70 ± 10% : 13.2KΩ ± 20%
Pulse Coil or Pickup Coil Color Code / S	Org ~ Blk, Grn ~ Blk / 120Ω ± 10%
Source Coil Color Code / S	—
<b>LIGHTING SYSTEM</b>	
Headlight / Taillight / Signal Rating	12V60-55W / 12V27-9W / 12V27W

## ELECTRICAL 2



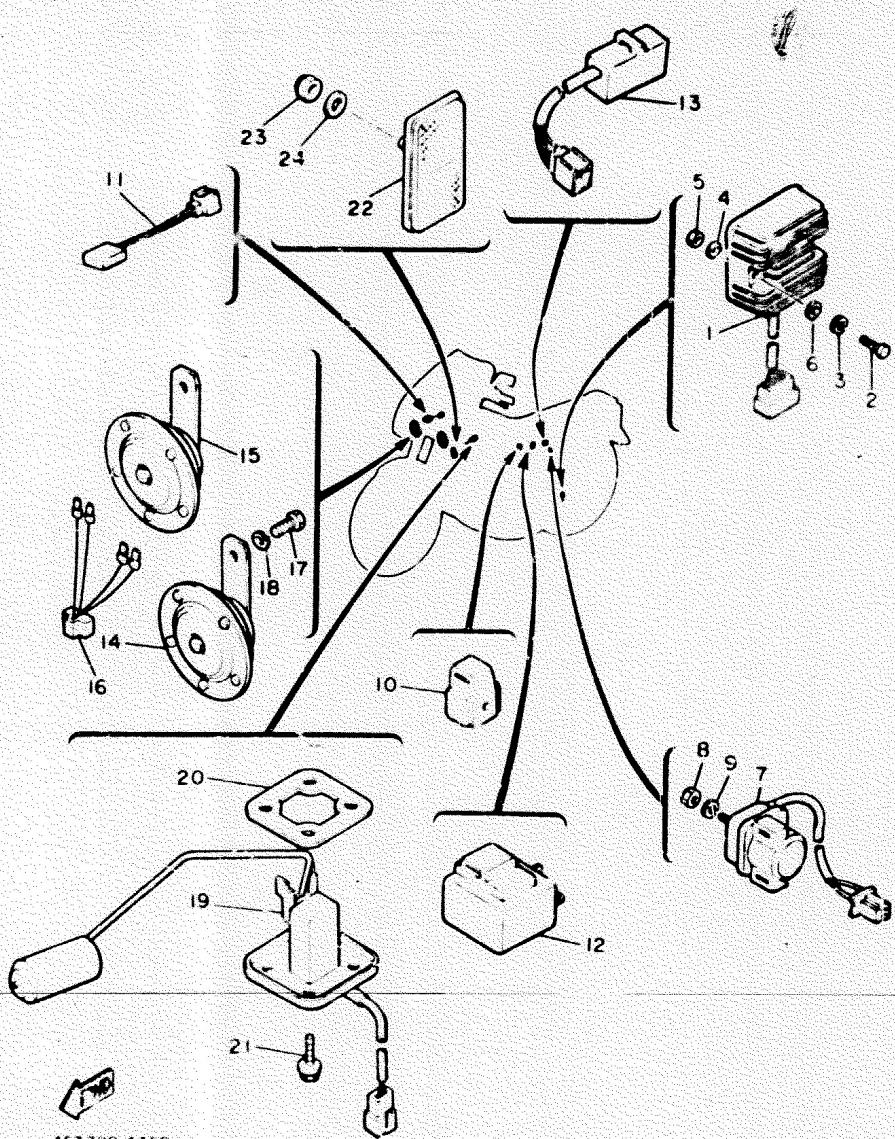
Ref. No.	Part Number	Description	Qty	Remarks
1	12R-81960-A0-00	RECTIFIER & REGULATOR ASS'Y.....	1	
2	97313-06035-00	BOLT (97302-06035).....	2	
3	92990-06100-00	WASHER, spring (92903-06100).....	2	
4	90201-061A5-00	WASHER (92901-06600).....	2	
5	95601-06100-00	NUT, u.....	2	
6	90201-06067-00	WASHER, plate .....	2	
7	22U-81940-00-00	STARTER SWITCH ASS'Y.....	1	
8	95301-06700-00	NUT (95302-06700).....	2	
9	92990-06100-00	WASHER, spring (92903-06100).....	2	
10	12R-81950-00-00	STARTER CIRCUIT CUT-OFF RELAY .....	1	
11	4U8-81950-01-00	SIDE STAND RELAY ASS'Y (4U8-81950-00)	1	
12	4H7-81960-M0-00	DIODE .....	1	
13	4H7-83350-70-00	FLASHER RELAY ASS'Y .....	1	
14	1A0-83395-03-00	FLASHER CANCELLING UNIT .....	1	
15	4L0-83371-30-00	HORN .....	1	
16	4L0-83371-40-00	HORN .....	1	
17	4L0-83373-00-00	LEAD, horn .....	1	
18	97316-08016-00	BOLT (97326-08016) .....	2	
19	92906-08100-00	WASHER, spring .....	2	
20	31A-85752-00-00	SENDER UNIT ASS'Y, fuel meter .....	1	
21	5G3-85753-00-00	GASKET, sender unit .....	1	
22	90119-05071-00	BOLT, w/washer .....	4	
23	4X7-85110-00-00	FRONT REFLECTOR ASS'Y .....	2	
24	95601-05100-00	NUT, u .....	2	
25	92901-05200-00	WASHER, plain .....	2	
26	35H-85132-00-00	BRACKET, reflector 1 .....	2	

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Ignition Coil Test Gap / Primary B / Secondary B	6mm / 2.70 ± 10% / 13.3kΩ ± 20%
Pulse Coils or Pickup Coils Color Code / B	Orange ~ Blue, Green ~ Red, 120Ω ± 10%
Source Coil Color Code / B	#
<b>LIGHTING SYSTEM</b>	
Headlight / Taillight / Signal Rating	12V60-55W / 12V27-5W / 12V27W

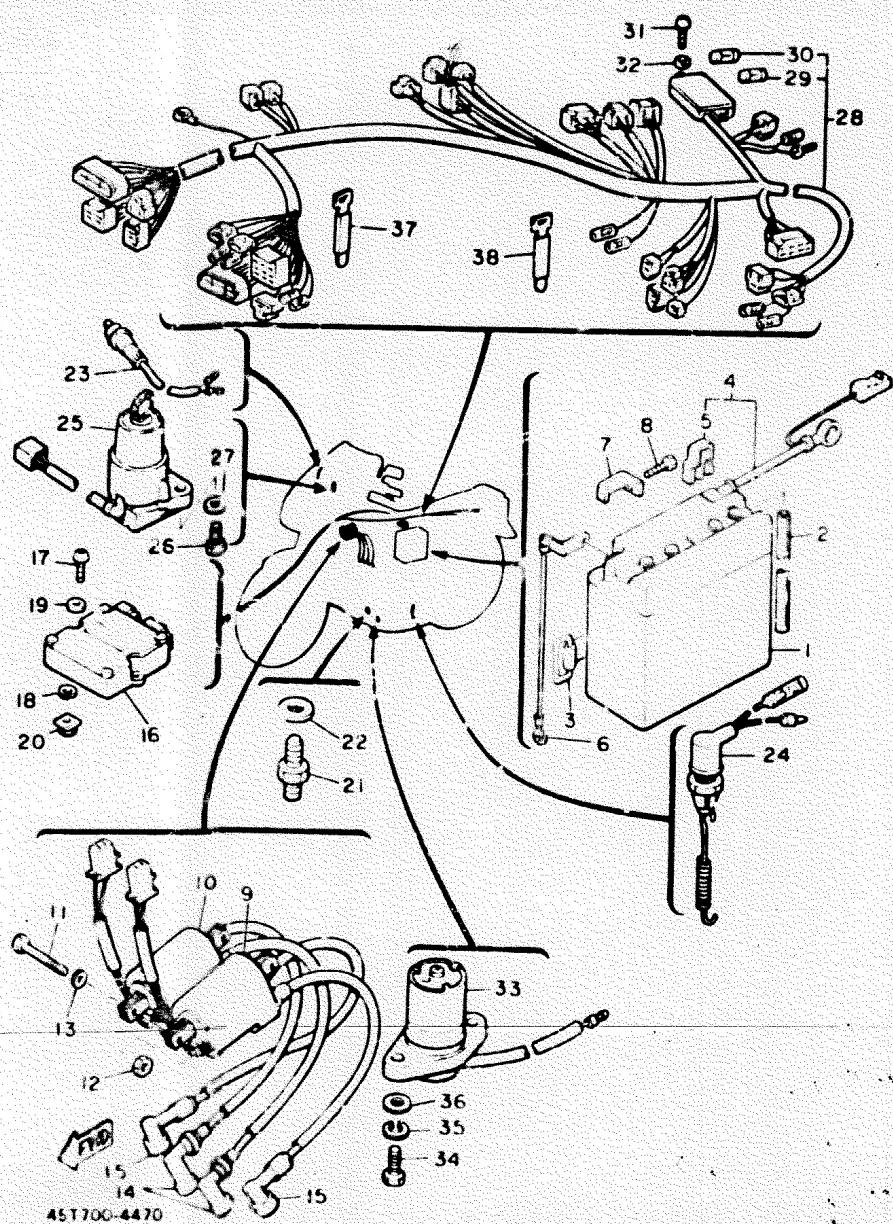
FIG. 46 ELECTRICAL 1



REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	12R-81960-AC	RECTIFIER & REGULATOR ASSY	1	
2	97302-06035	BOLT	2	
3	92902-06100	WASHER, SPRING	2	
4	92902-06600	WASHER	2	
5	95601-06100	NUT, U	2	
6	90201-06067	WASHER, Plate	2	
7	22U-81940-00	STARTER SWITCH ASSY	1	UR
	22U-81940-10	STARTER SWITCH ASSY	1	UR
8	95302-06700	NUT	2	
9	92902-06100	WASHER, SPRING	2	
10	12R-81950-00	STARTER CIRCUIT CUT-OFF RELAY	1	
11	4L6-81980-M0	DIODE	1	
12	4H7-83380-70	FLASHER RELAY ASSY	1	
13	1A0-83395-03	FLASHER CANCELLING UNIT	1	
14	4L0-83371-30	HORN	1	
15	4L0-83371-40	HORN	1	
16	41Y-83373-00	LEAD, horn	1	
17	97326-08016	BOLT	2	
18	92906-08100	WASHER, SPRING	2	
19	31A-85752-00	SENDER UNIT ASSY, fuel meter	1	
20	5G3-85753-00	GASKET, sender unit	1	
21	90119-05071	BOLT, with washer	4	
22	3G1-85130-00	REAR REFLECTOR ASSY	1	
23	95601-05100	NUT, U	1	
24	92901-05200	WASHER, Plain	1	

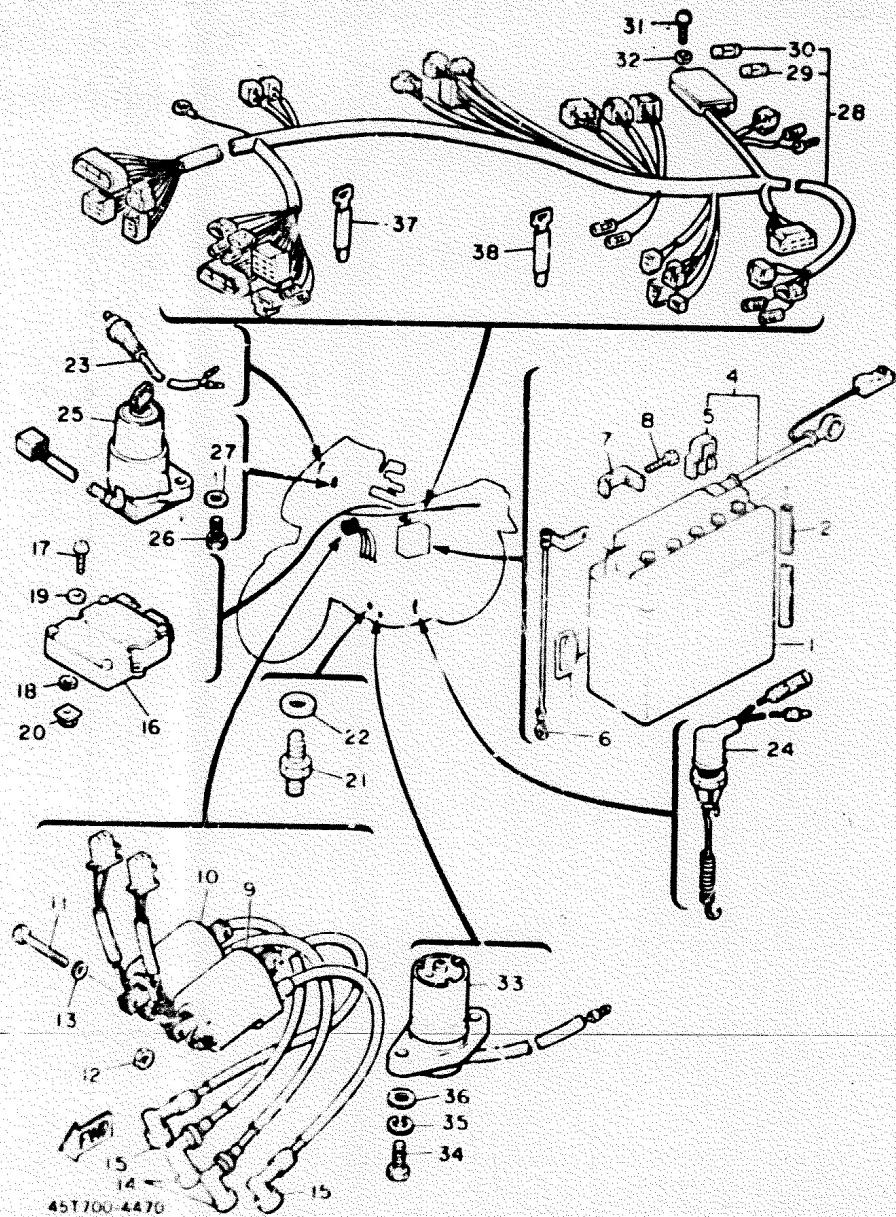
451700-4460

FIG. 47 ELECTRICAL 2



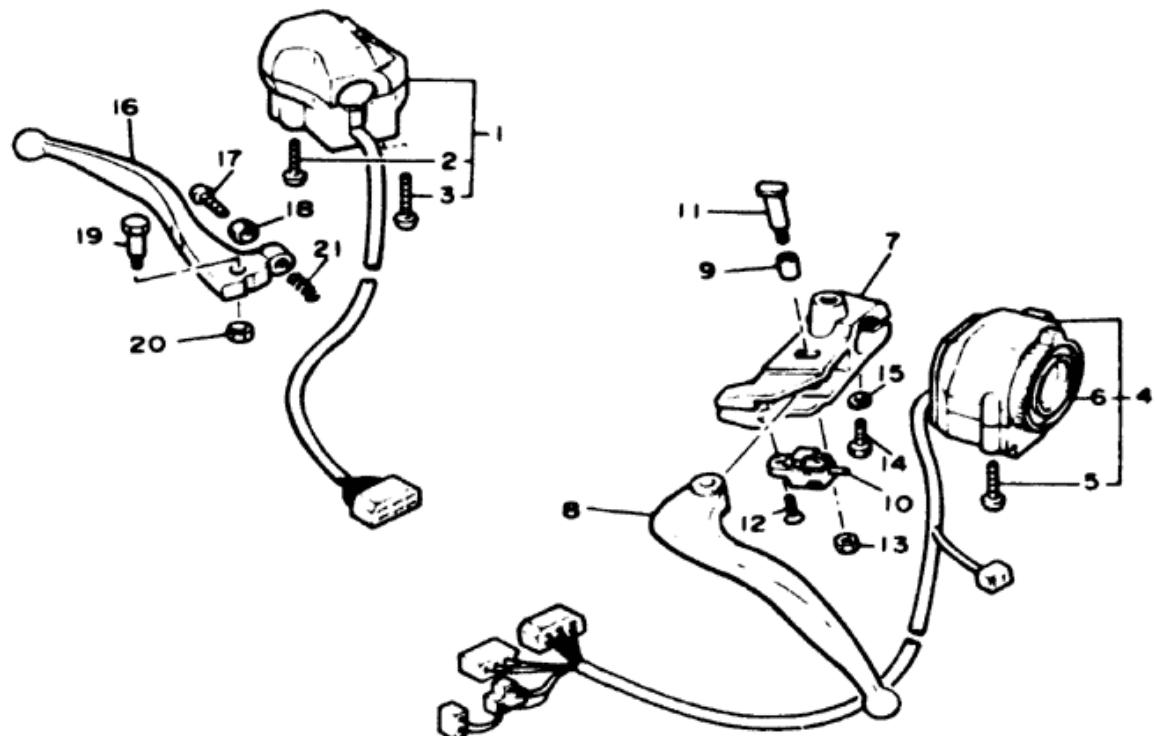
REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
29	1A0-82151-00	FUSE (12V-10A)	3	
30	2H7-821E1-00	FUSE (12V-30A)	1	
31	97702-50 12	SCREW, TAPPING	2	
32	92901-05630	WASHER, Plate	2	
33	4H7-85720-00	OIL LEVEL GAUGE ASSY	1	
34	97321-06020	BOLT	2	
35	92901-06100	WASHER, SPRING	2	
36	92901-06600	WASHER, Plate	2	
37	447-82591-00	BAND	1	
38	341-26397-01	BAND	4	

FIG. 47 ELECTRICAL 2



REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	447-82110-82	BATTERY ASSY (YUASA YB14L-A2)	1	
2	90445-08336	HOSE	1	
3	137-82131-01	BAND, battery	1	
4	31A-82115-00	WIRE, Plus lead	1	
5	31A-82119-00	COVER, lead wire	1	
6	5G2-82116-00	WIRE, minus lead	1	
7	5G2-82103-00	TERMINAL 1	2	
8	90153-06032	SCREW, hexagon	2	
9	4H7-82310-61	IGNITION COIL ASSY	1	
10	4H7-82320-61	IGNITION COIL ASSY	1	
11	97302-06080	BOLT	2	
12	95302-06600	NUT	2	
13	92902-06200	WASHER	2	
14	1J7-82370-00	PLUG CAP ASSY	2	
15	256-82370-00	PLUG CAP ASSY	2	
16	31A-82305-10	IGNITOR UNIT ASSY	1	
17	92502-06014	SCREW, Pan head	2	
18	92902-06100	WASHER, spring	2	
19	92902-06600	WASHER	2	
20	4G0-21736-00	NUT, plate	2	
21	2H7-82540-00	NEUTRAL SWITCH ASSY	1	
22	90430-10148	GASKET	1	
23	1A0-83980-30	FRONT STOP SWITCH ASSY	1	
24	1E9-82530-00	STOP SWITCH ASSY	1	
25	48F-82501-80	MAIN SWITCH STEERING LOCK	1	
26	87322-06016	BOLT	2	
27	92902-06600	WASHER	2	
28	31A-82590-70	WIRE HARNESS ASSY	1	

# HANDLE SWITCH - LEVER

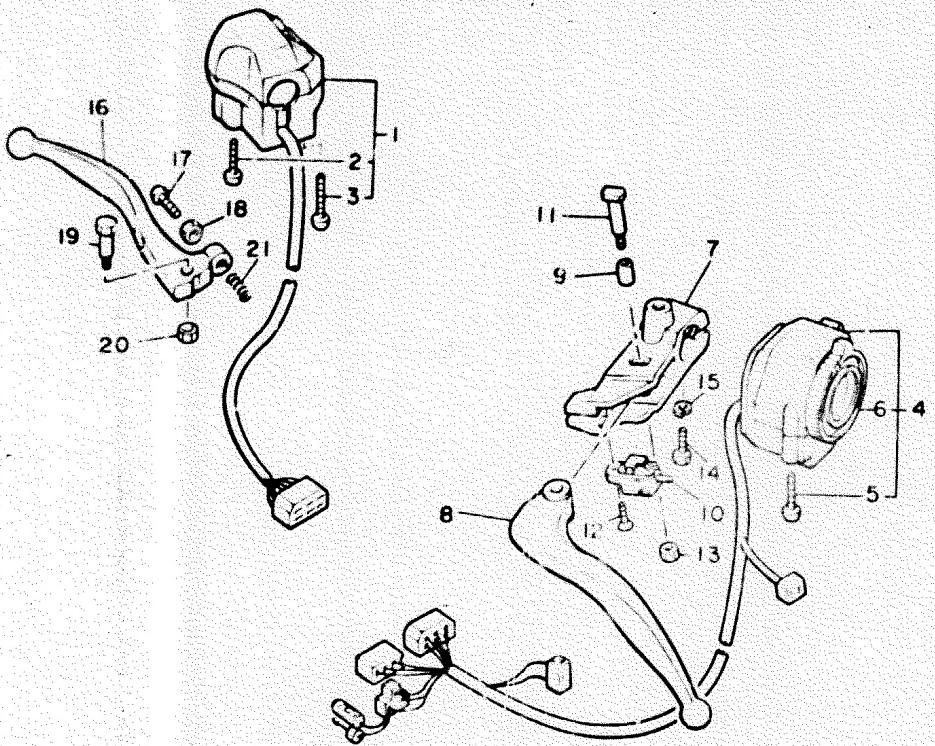


Ref. No.	Part Number	Description	Qty	Remarks
1	31E-83975-01-00	SWITCH, handle 2 (31E-83975-00) .....	1	
2	98506-06035-00	SCREW, panhead .....	1	
3	98506-06040-00	SCREW, panhead .....	1	
4	31E-83973-10-00	SWITCH, handle 3 (31E-83973-00) .....	1	
5	98506-06035-00	SCREW, pan head.....	2	
6	31A-83980-00-00	CHOKE RING ASS'Y	1	
7	31A-82911-00-00	HOLDER, lever 1 .....	1	
8	31A-83912-00-00	LEVER 1 .....	1	
9	31A-83913-00-00	COLLAR, lever 1.....	1	
10	31A-82917-00-00	SWITCH .....	1	
11	31A-83945-00-00	BOLT, lever .....	1	
12	98702-03008-00	SCREW, flat head.....	1	
13	95606-06100-00	NUT, u .....	1	
14	97316-06025-00	BOLT .....	1	
15	92906-06100-00	WASHER, spring .....	1	
16	31A-83922-00-00	LEVER 2 .....	1	
17	90149-06131-00	SCREW .....	1	
18	90170-06010-00	NUT .....	1	
19	90109-06577-00	BOLT (90109-06742) ..	1	
20	95601-06100-00	NUT, u .....	1	
21	90501-10312-00	SPRING, compression	1	

FWD

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FIG. 45 HANDLE SWITCH. LEVER



REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	31A-83963-00	SWITCH, handle 3 (RIGHT)	1	
2	98506-05035	SCREW, Pan head	1	
3	98506-05040	SCREW, Pan head	1	
4	31A-83972-00	SWITCH, handle 4	1	
5	98506-05035	SCREW, Pan head	2	
6	31A-83960-00	CHOKE RING ASSY	1	
7	41Y-62211-00	HOLDER, lever 1	1	
8	31A-83912-00	LEVER 1	1	
9	31A-83913-00	COLLAR, lever 1	1	
10	31A-82917-00	SWITCH	1	
11	31A-83945-00	BOLT, lever	1	
12	98702-03008	SCREW, flat head	1	
13	95606-06100	NUT, u	1	
14	97306-06025	BOLT	1	
15	92906-06100	WASHER, spring	1	
16	31A-83922-00	LEVER 2	1	
17	90149-06131	SCREW	1	
18	90170-06010	NUT	1	
19	90109-06742	BOLT	1	
20	95601-06100	NUT, u	1	
21	90501-10312	SPRING, compression	1	

44X171-4450

# SERVICE DATA

MOTORCYCLE

DATE 4/22/83 BUL M83-011

## XJ900RK 1983 SERVICE DATA

<b>MODEL - IBM I.D. NUMBER:</b>	XJ900RK	35H
Initial Engine Number / Frame Number	35H-000101 / JYA35H00	JDA000101
Fuel Type/Total Fuel Tank Capacity/Reserve Cap.	Regular / 22.0 Lit. / 5.0 Lit.	

<b>ENGINE TYPE</b>	4-Stroke, DOHC, Parallel Four
Bore/Stroke/Number Cylinders/Displacement	67.0mm / 60.5mm / 4 / 853cc
Compression Ratio/Compression Pressure Min~Max	9.6:1 / 8.0 ~ 12.0 kg/cm <sup>2</sup>
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 / 0.30 ~ 0.90mm
Valve Clearance (Cold) Intake / Exhaust	0.11 ~ 0.15mm / 0.16 ~ 0.20mm
Oiling System	Wet Sump
Capacity: Dry	3600cc
Oil and Filter Change	2800cc
Oil Change Only	2500cc
Lubricant: Temp. Above 5°C (40°F)	Yamalube 4T 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

<b>AUTOLUBE</b> - Min Stroke / Color Code	Ø
Minimum Output @ 200 Cycles	Ø
Maximum Output @ 200 Cycles	Ø

<b>CARBURETOR</b> - Manufacturer / Type / I.D. Number	Mikuni / BS35 / 35H-00
Main Jet / Pilot Jet / Pilot Screw (Turns Out)	102.5 / 37.5
Needle Jet / Jet Needle-Clip Position	Y-0 / 4HZ Fixed
Slide Cutaway	Ø
Floater Level / Fuel Level	NA / 5.0 ± 1mm
Idle rpm	1050 rpm
Max CO* / Max HC* / Set CO	7.0% / 700 ppm / 3 ± 0.5%

<b>SUSPENSION</b>	
Front: Inner Tube Diameter	37mm
Oil Type / Level / Qty	10 Wt. Fork Oil* / 168mm / 286cc
Gas Pressure Min ~ Max / Standard	0.35 ~ 0.45 kg/cm <sup>2</sup> / 0.4 kg/cm <sup>2</sup>
Spring Length Std	522.5mm
Rear: Gas Pressure Min ~ Max / Standard	14.5 ~ 15.5 kg/cm <sup>2</sup> / 15.0 kg/cm <sup>2</sup>
Minimum Brake Lining Thickness Front / Rear	0.5mm / 0.5mm
Tire Size (Nominal Pressure) Front / Rear	100/90V18 (2.25 kg/cm <sup>2</sup> ) / 120/90V18 (2.5 kg/cm <sup>2</sup> )

<b>TRANSMISSION</b> - Oil Type / Qty Change / Qty Dry	See ENGINE Above
Secondary Drive Type / Teeth / Chain	Shaft / 48-37 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

MOTORCYCLE DATE 4/22/83 BUL M83-011

<b>CHARGING SYSTEM</b>	AC Generator / 3-Phase / Full Wave
Battery: Model / Specific Gravity / Charge Rate	YB14L (12V14A) / 1.280 / 1.4A
Maximum Output	14V18A @ 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

<b>IGNITION SYSTEM</b>	Transistor Controlled Ignition
Ignition Timing	5° @ 1050 rpm Full Adv: 40° @ 6500 rpm
Spark Plug Type	NGK BP8ES or ND W24EP-U
Spark Plug Gap / Torque / Cap Ø	0.7 ~ 0.8mm / 2.0 m-kg / 5KG
Point Gap / Condenser Capacitance	Ø
Ignition Coil Test Gap / Primary Ø / Secondary Ø	6mm / 2.70 ± 10% / 13.2KΩ ± 20%
Pulser Coil or Pickup Coil Color Code / Ø	Org ~ Blk, Gry ~ Blk / 1200 ± 10%
Source Coil Color Code / Ø	Ø

<b>LIGHTING SYSTEM</b>	
Headlight / Taillight / Signal Rating	12V60-55W / 12V27-8W / 12V27W
Lighting Coil Color Code / Ø	Ø

<b>TORQUE VALUES</b>	
Front Axle Nut	M14: 7.8 m-kg
Front Axle Holder Nut	M8: 2.0 m-kg
Rear Axle Nut	M14: 10.5 m-kg
Rear Axle Pinch Bolt	M6: 0.6 m-kg
Clutch Nut	M20: 7.0 m-kg
Drain Plug	M14: 2.3 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
Front, Bracket	M8: 2.0 m-kg
Rear Lower	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