



YAMAHA

PARTS CATALOGUE

XJ650J (5N8)

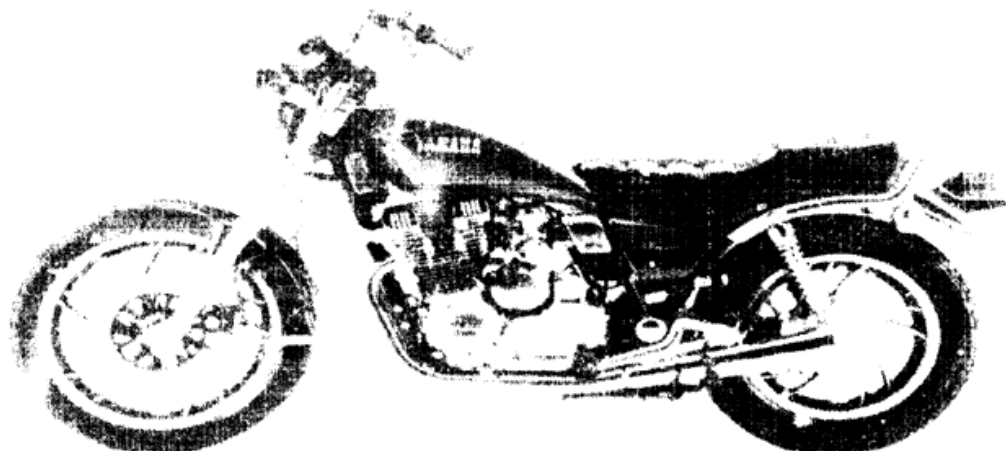
MODEL YEAR 1982

Initial Serial No. and Color Code

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

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

MODEL - BORN I.D. NUMBER	XJ650J-B	XJ650J-R	5N8
Initial Engine Number - Frame Number	5N8-000101	5N8-000101	
Basic Color(s)	Black Blue (R)	Star Red (R)	
Fuel Type - Fuel Tank Capacity - Reserve Capacity	Regular	13 Lit	3.4 Lit
Dry Vehicle Weight	203 kg		
ENGINE TYPE	4-Stroke, Air-Cooled, DOHC, Parallel Four		
Bore - Stroke - Number Cylinders - Displacement (cc)	63mm	52.4mm	4 653cc
Compression Ratio - Compression Pressure Min. - Max.	9.2:1	11 kg/cm ²	





YAMAHA

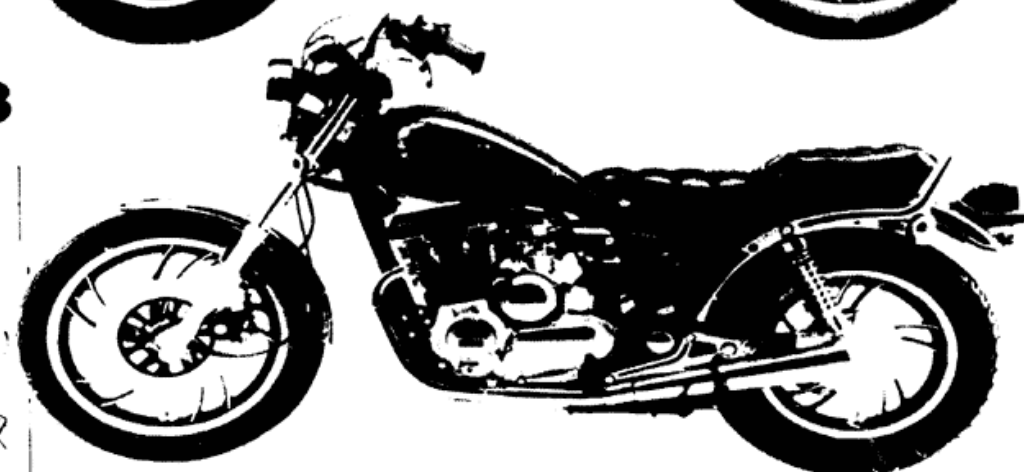
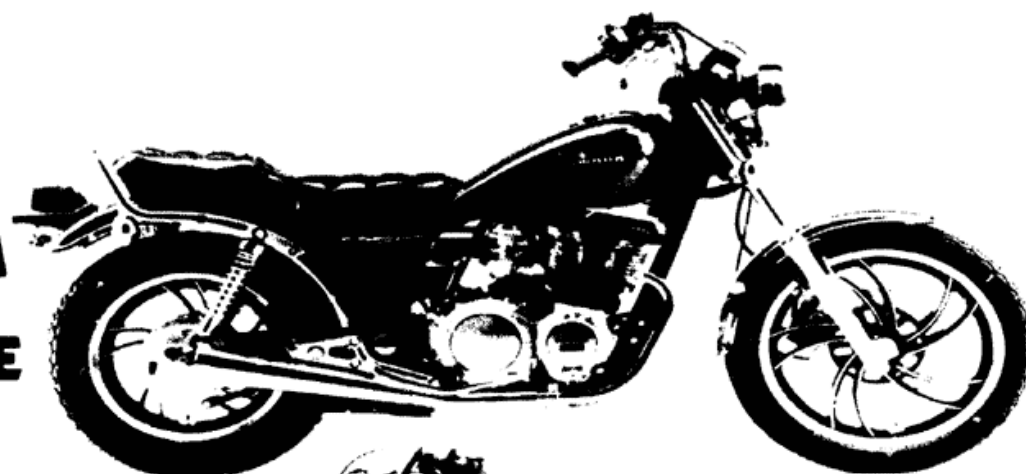
PARTS CATALOGUE

XJ650K (5N8)

MODEL YEAR 1983

Initial Serial No

A	Frame Serial No	5N8-050101 and following
B	Engine Serial No	5N8-050101 and following



MODEL - YEAR LB. NUMBER	XJ650K
Initial Engine Number / Frame Number	5N8-050101 / JYA5N800X JDA050101
Fuel Type/Total Fuel Tank Capacity/Reserve Cap.	Regular / 13 Lit. / 3.4 Lit.
ENGINE TYPE	4-Stroke, DOHC, Parallel Four
Bore/Stroke/Number Cylinders/Displacement	63mm / 52.4mm / 4 / 663cc
Compression Ratio/Compression Pressure Min~Max	9.2:1 / NA

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

CYLINDER HEAD XJ650J

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

Spark Plug Type	NGK BP7ES or Nippon Denso W22EP		
Spark Plug Gap	Torque	Cap	0.7~0.8mm 2.0 m·kg Cyl. 1&4 5K 2 Cyl. 2&3 10K 2
Cylinder Head	10 x 125 3.2 m·kg Apply Oil		

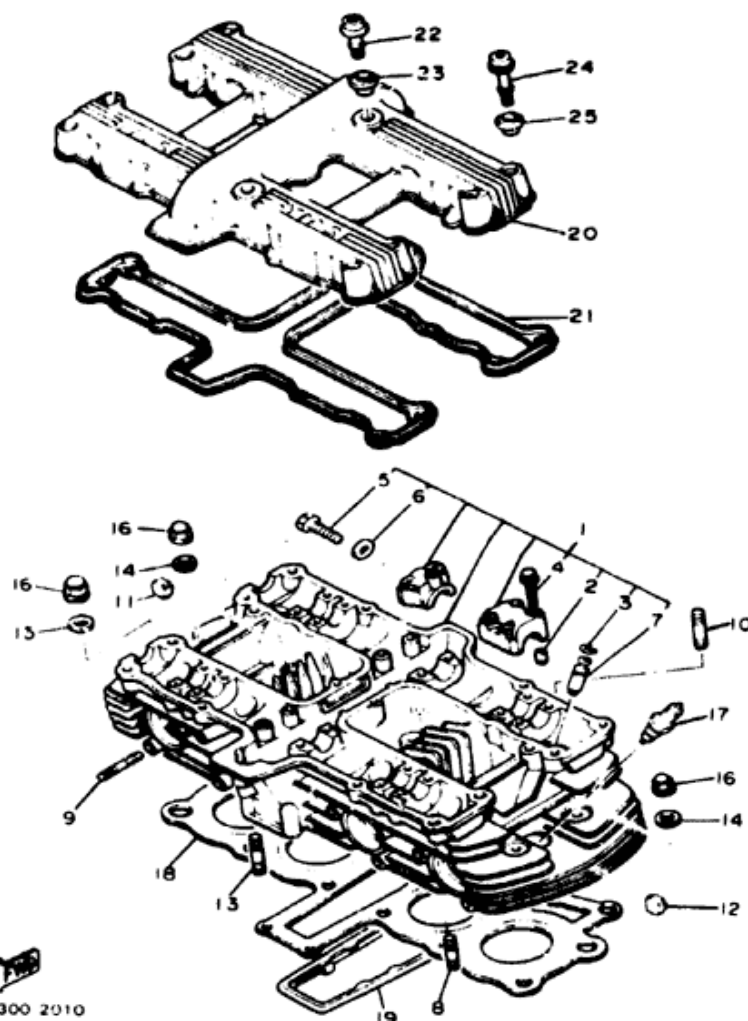
5G21-0-1010

CYLINDER HEAD XJ650K

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

* Indicates new part numbers activated from March, 1982.

Spark Plug Type	NGK BP7ES or ND W22EP-U
Spark Plug Gap / Torque / Cap R	0.7 ~ 0.8mm / 2.0 m·kg / 1&4: 5KΩ 2&3: 10KΩ
Cylinder Head Cover	M6: 1.0 m·kg
Cylinder Head:	M10: 3.2 m·kg



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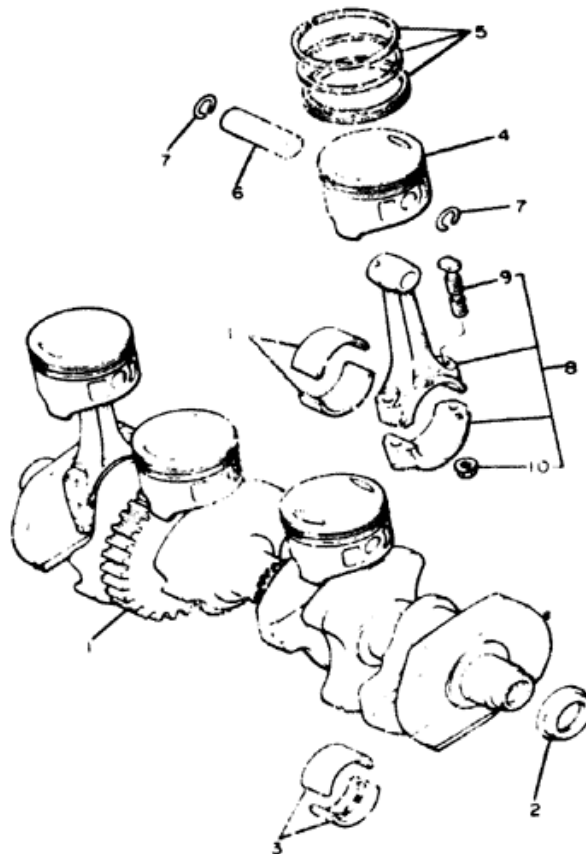
CYLINDER

Ref. No.	Part Number	Description	Qty.	Remark
1	5N8-11310-10-00	CYLINDER	1	
2	93210-69434-00	O-RING	4	
3	90340-12065-00	PLUG, straight screw	2	
4	90201-12790-00	WASHER, plate	2	
5	93210-09443-00	O-RING	4	
6	91830-24016-00	PIN, dowel	4	
7	90430-14131-00	GASKET	2	
8	4H7-11351-00-00	GASKET, cylinder	1	
9	95621-08330-00	BOLT, stud	1	
10	90201-08382-00	WASHER, plate	3	
11	95311-08600-00	NUT	3	
12	92901-06600-00	WASHER, plate	4	
13	95311-06600-00	NUT	2	
14	90179-06306-00	NUT	2	

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



CRANKSHAFT - PISTON



SV2110-2030

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

CRANKSHAFT BEARING SELECTION
Housing No. - Shaft No. = Bearing No.

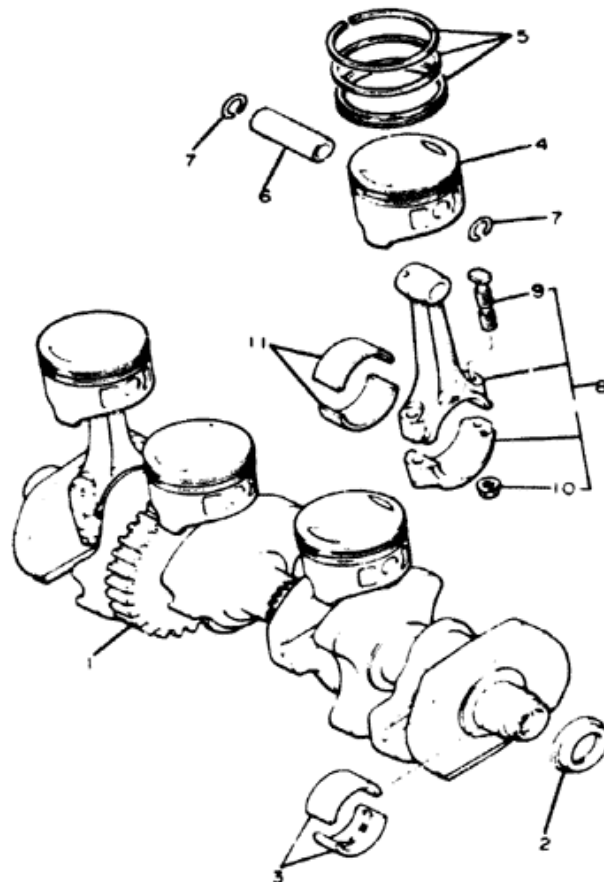
BEARING No.	PART No.	COLOUR
BEARING 1	4H7-11416-01	BLUE
BEARING 2	4H7-11416-11	BLACK
BEARING 3	4H7-11416-21	BROWN
BEARING 4	4H7-11416-31	GREEN
BEARING 5	4H7-11416-41	YELLOW

CONNECTING ROD BEARING SELECTION
Housing No. - Shaft No. = Bearing No.

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

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

CRANKSHAFT - PISTON



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

CRANKSHAFT BEARING SELECTION

Housing No. - Shaft No. = Bearing No.

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

CONNECTING ROD BEARING SELECTION

Housing No. - Shaft No. = Bearing No.

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

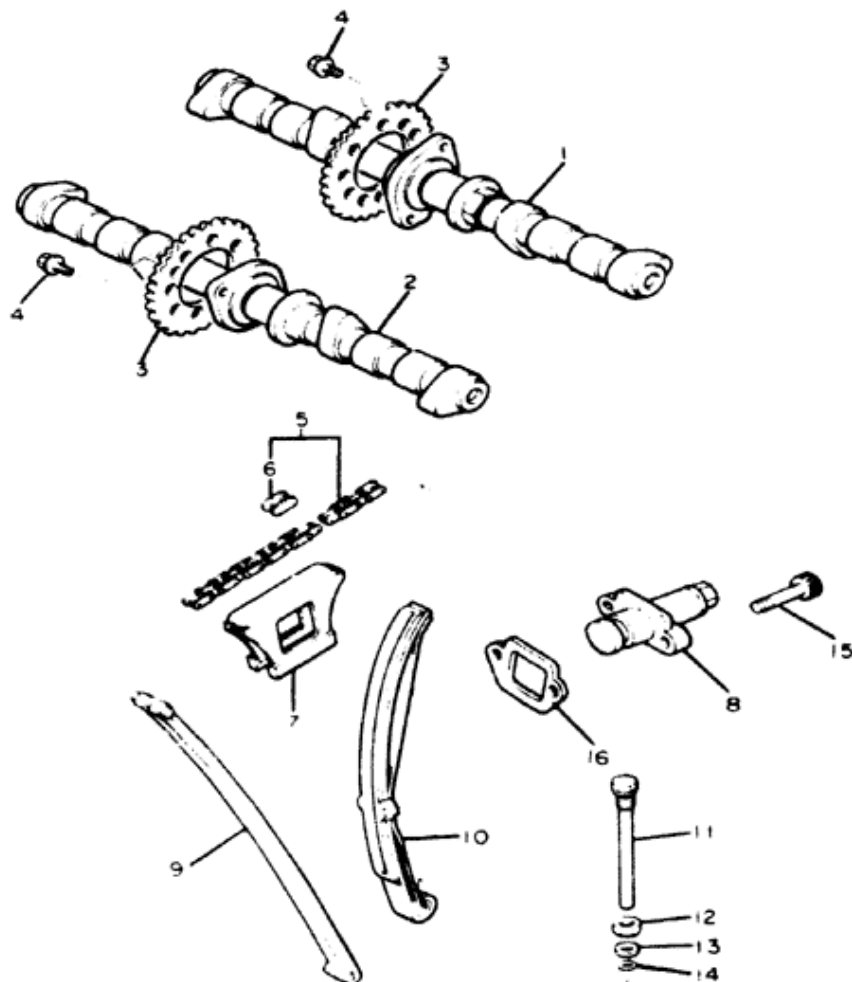
Piston Skirt Clearance New Max

Ring End Gap Top 2nd 3rd

0.030 ~ 0.050mm 0.1mm

0.15 ~ 0.35mm 0.15 ~ 0.35mm 0.3 ~ 0.9mm

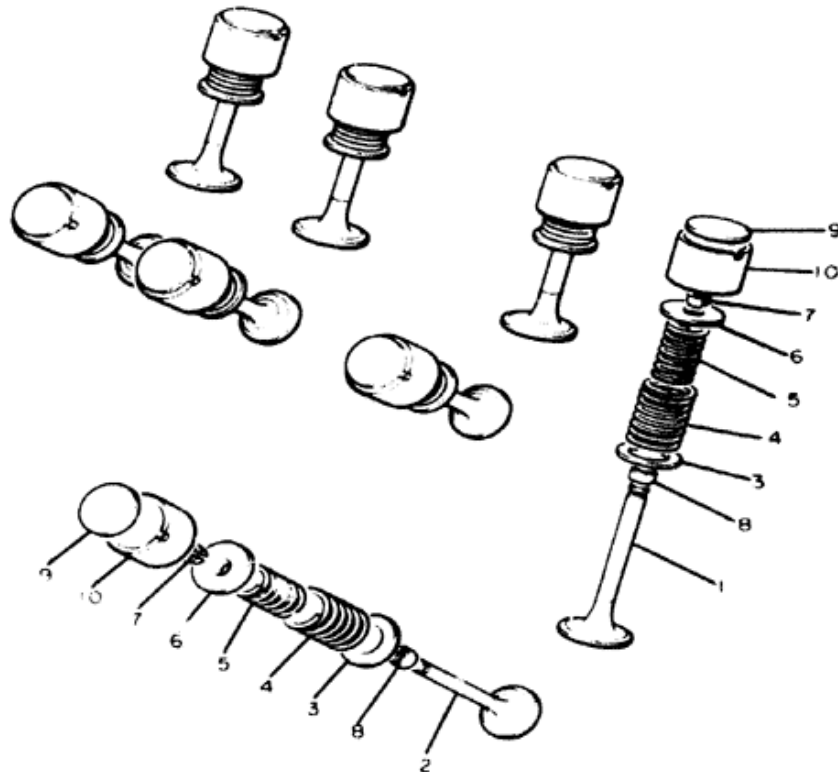
CAMSHAFT · CHAIN



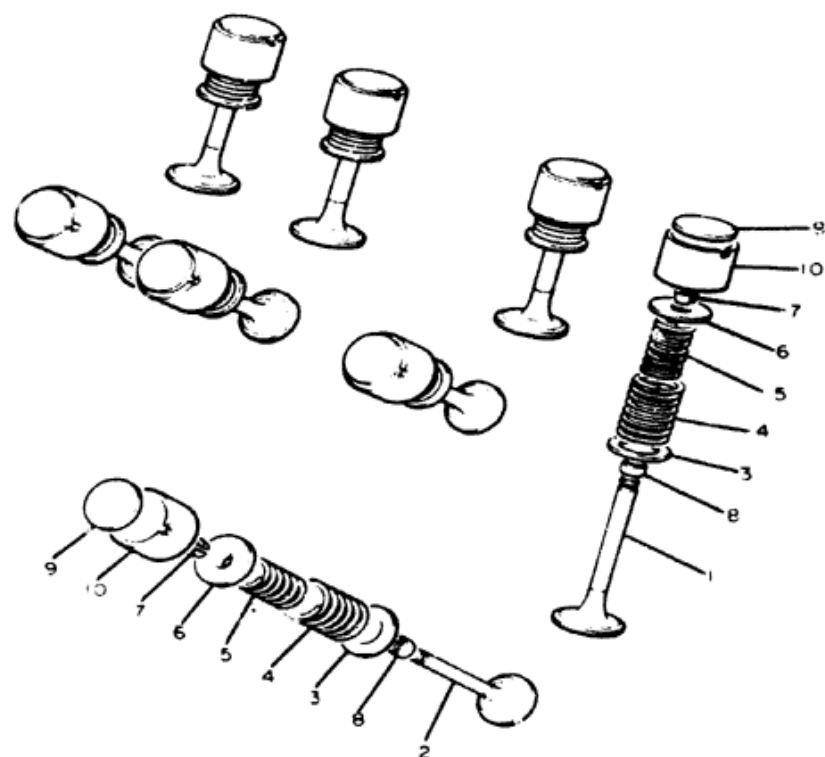
Ref. No.	Part Number	Description	Qty.
1	4H7-12171-00-00	CAMSHAFT 1	1
2	4H7-12181-00-00	CAMSHAFT 2	1
3	4H7-12176-01-00	SPROCKET, cam chain (32T) ...	2
4	90105-07087-00	BOLT, washer based.....	4
5	94500-02120-00	CHAIN (BF05M-120L)	1
6	94600-02001-00	. JOINT, chain.....	1
7	4H7-12241-00-00	GUIDE, stopper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



VALVE



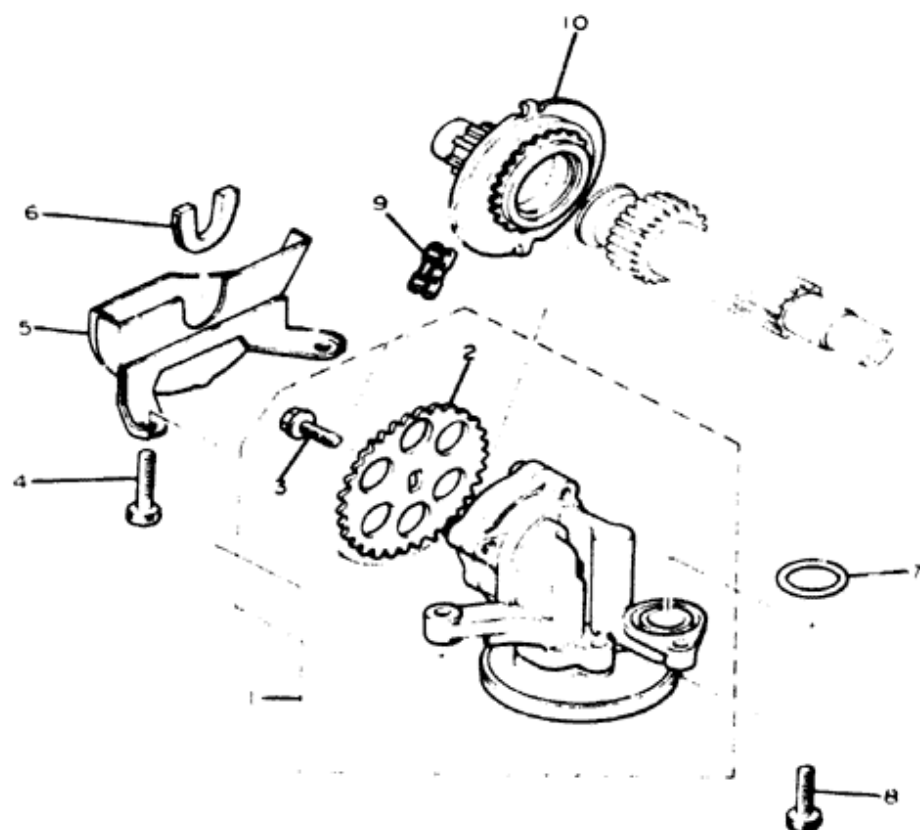
Ref. No.	Part Number	Description	Qty.	Remarks
1	4H7-12111-00-00	VALVE, intake	4	
2	4H7-12121-00-00	VALVE, exhaust.	4	
3	4H7-12116-00-00	SEAT, valve spring	8	
4	4H7-12114-00-00	SPRING, valve outer.	8	
5	4H7-12113-00-00	SPRING, valve inner.	8	
6	2F3-12117-00-00	RETAINER, valve spring.	8	
7	1J7-12118-00-00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



VALVE

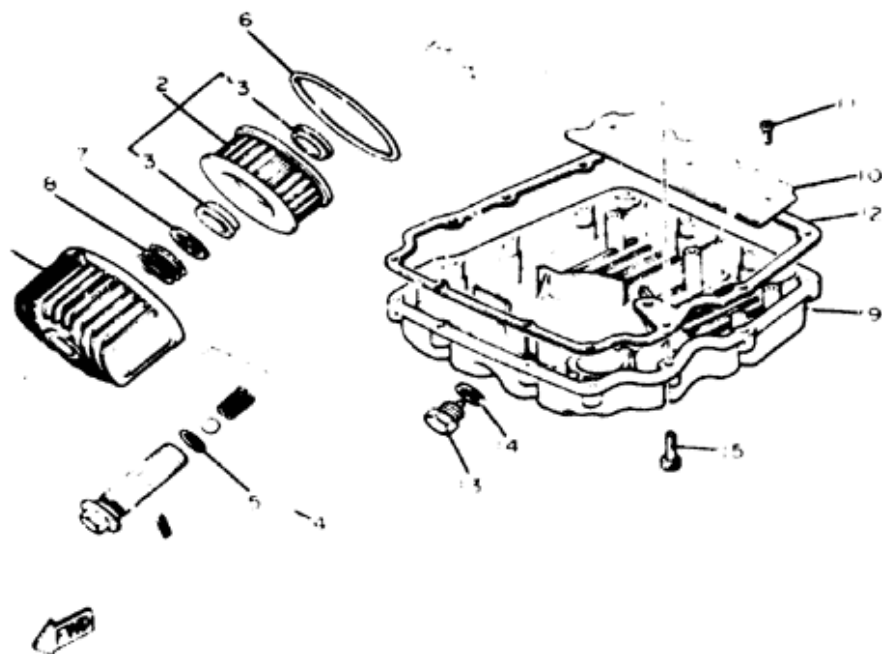
Ref. No.	Part Number	Description	Qty.	Remarks
9	1J7-12169-F1-00	PAD, adjusting (2.60)	8	U.R.
	1J7-12169-G1-00	PAD, adjusting (2.65)	8	U.R.
	1J7-12169-H1-00	PAD, adjusting (2.70)	8	U.R.
	1J7-12169-J1-00	PAD, adjusting (2.75)	8	U.R.
	1J7-12169-K1-00	PAD, adjusting (2.80)	8	U.R.
	1J7-12169-L1-00	PAD, adjusting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

OIL PUMP



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

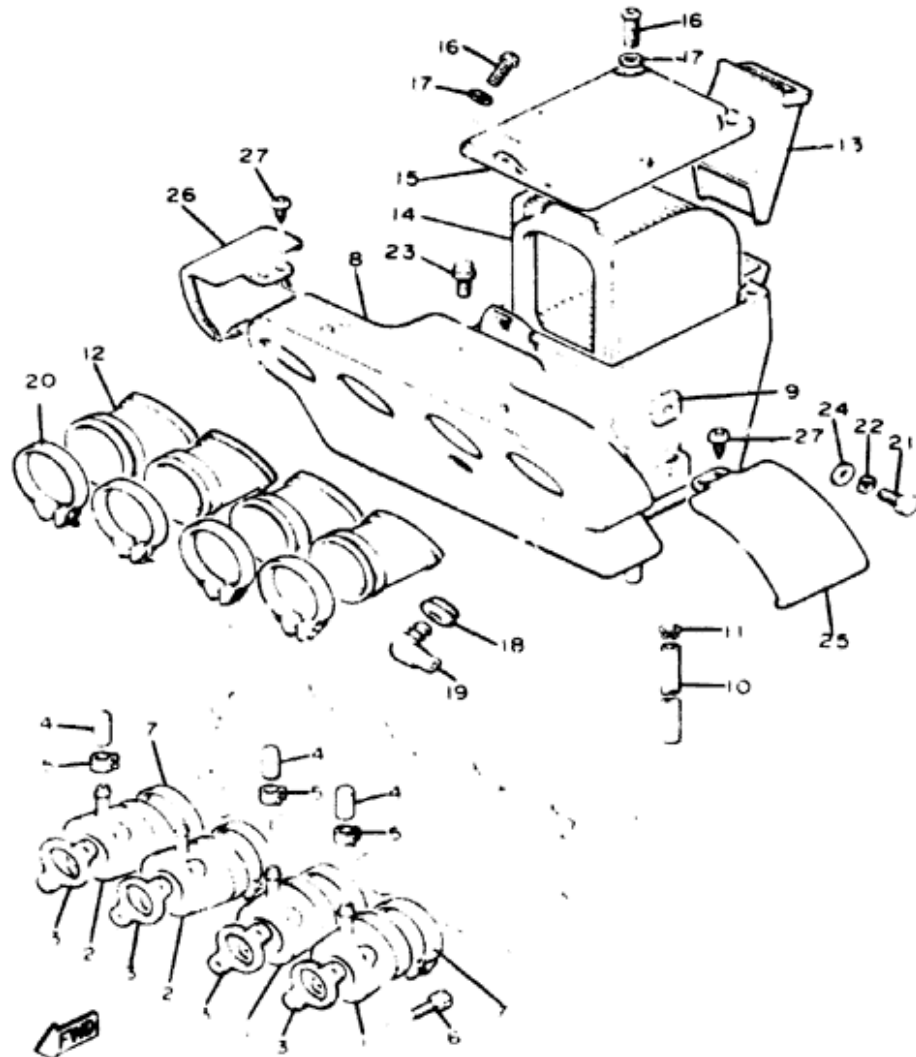




OIL CLEANER

Ref. No.	Part Number	Description	Qty.
1	4H7-13447-00-00	COVER, oil element	1
2	1L9-13440-91-00	ELEMENT, oil cleaner (1L9-13440-90)	1
3	90480-23193-00	. GROMMET	2
4	1L9-13340-01-00	BY PASS VALVE ASS'Y.	1
5	93210-16325-00	. O-RING	1
6	93210-88324-00	O-RING	1
7	90201-21608-00	WASHER, plate	1
8	90501-20422-00	SPRING, compression	1
9	4H7-13417-02-00	COVER, strainer	1
10	4H7-13337-00-00	PLATE, baffle lower	1
11	92503-06010-00	SCREW, pan head (92501-06010)	3
12	4H7-13414-01-00	GASKET, strainer cover (4H7-13414-00)	1
13	90340-14C 42-00	PLUG, straight screw	1
14	214-11198-01-00	GASKET	1
15	91316-06030-00	BOLT	13

INTAKE

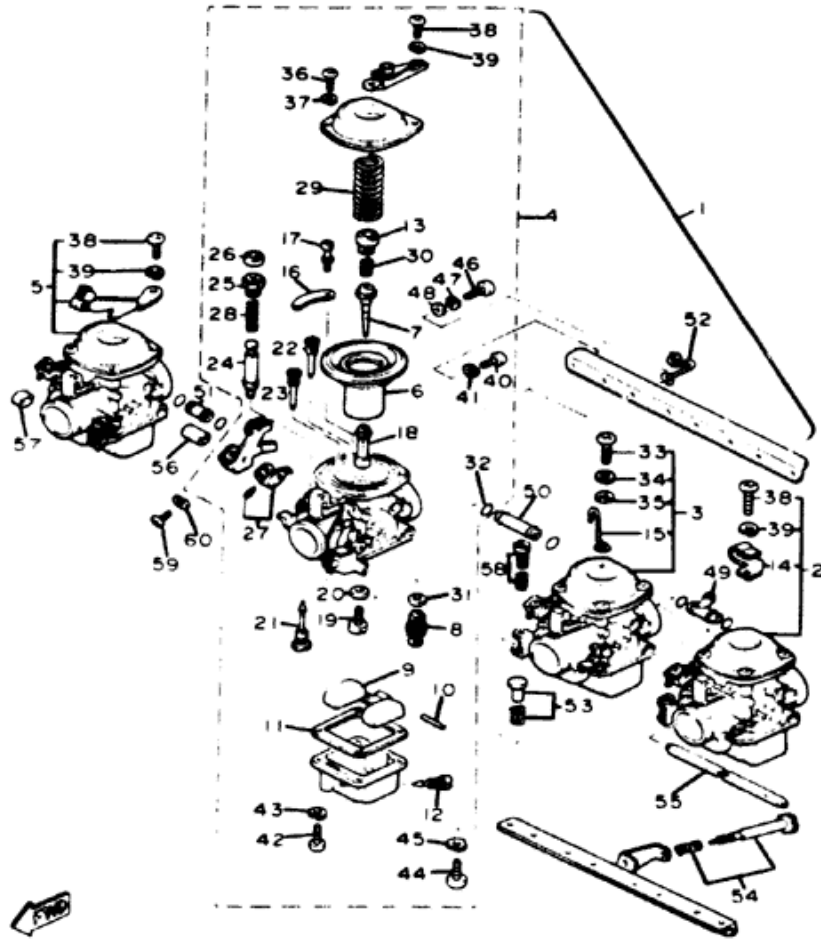


5/18/83 2080

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

* Indicates new part numbers activated from March, 1983.

CARBURETOR



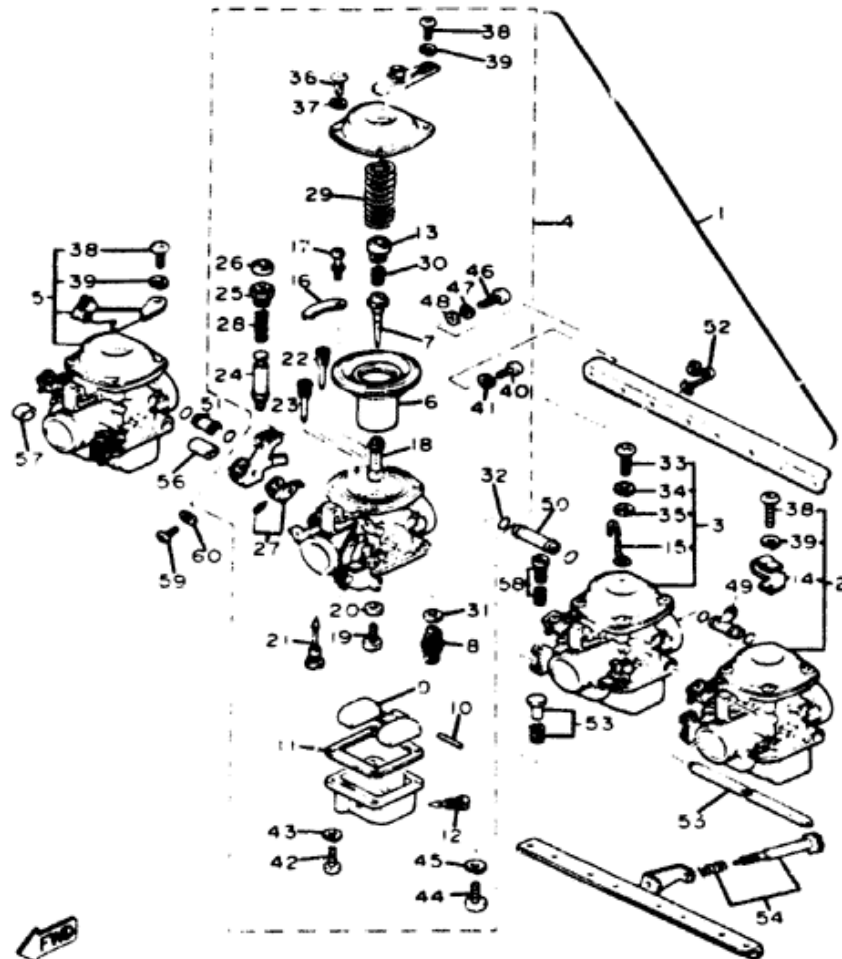
5N8116, 2096

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

*Indicates new part numbers activated from March, 1983.

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

CARBURETOR

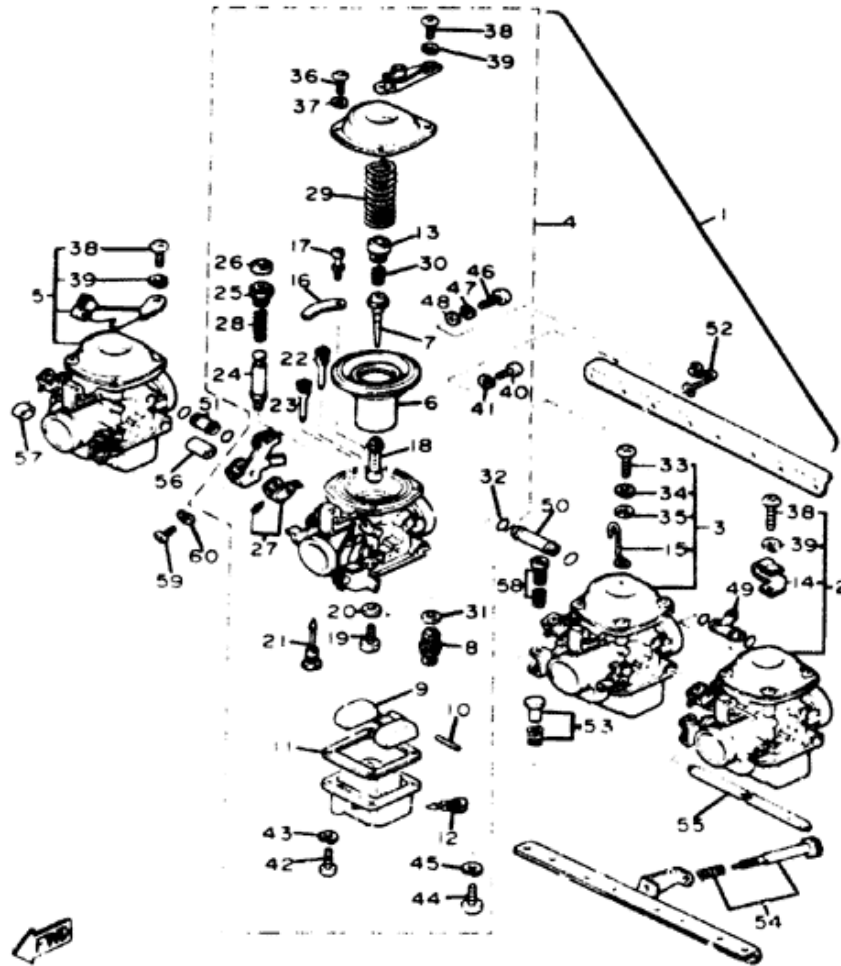


Ref. No.	Part Number	Description	Qty.	Remarks
21	4H7-14948-40-00	JET, pilot (#40).....	4	
22	4H7-14928-10-00	JET, main air (#50).....	4	
23	4H7-14949-41-00	JET, pilot air.....	4	
24	4H7-14171-00-00	PLUNGER, starter.....	4	
25	4H7-14174-00-00	CAP, plunger.....	4	
26	4H7-14173-00-00	COVER, plunger cap.....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

5N8110-2(19)

CARBURETOR - Mfr. / Type / I.D. Number	Hitachi HSC32 5N8-00
Main Jet / Pilot Jet	110 40
Needle Jet / Jet Needle-Clip Position	3.2 Y-10 Fixed
Slide Cutaway at Throttle Valve	130
Float Level / Fuel Level	NA 2 ~ 4mm
Idle rpm	1050 rpm
Max CO ₂ / Max HC ₂ / Set CO	5.0% 800 ppm 3.0% (All Settings @ Idle)

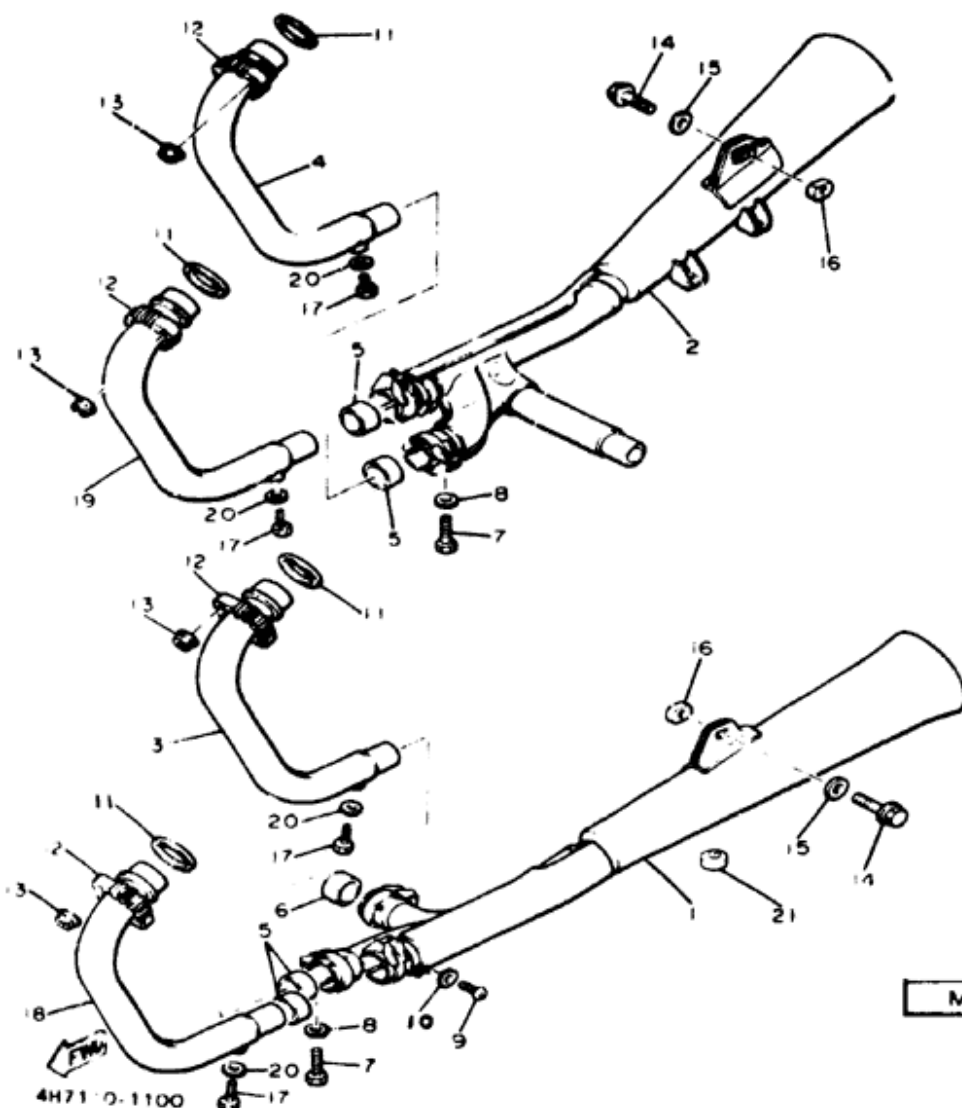
CARBURETOR



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

CARBURETOR - Mfr. / Type / I.D. Number	Hitachi HSC32 5N8-00
Main Jet - Pilot Jet	110 40
Needle Jet / Jet Needle-Clip Position	3.2 Y-10 Fixed
Slide Cutaway or Throttle Valve	130
Float Level / Fuel Level	NA 2 ~ 4mm
Idle rpm	1050 rpm
Max CO* / Max HC* / Set CO	5.0% 800 ppm 3.0% (All Settings @ Idle)

EXHAUST

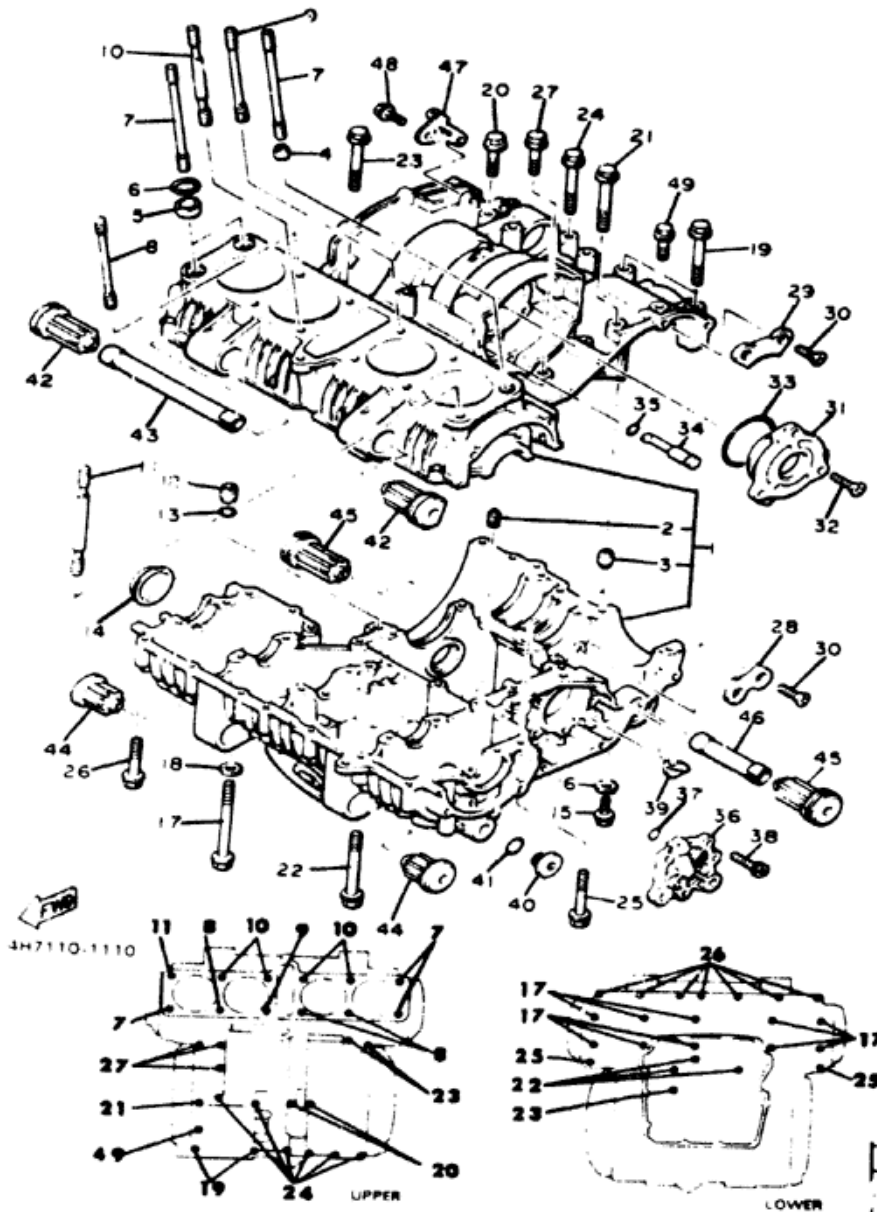


Ref. No.	Part Number	Description	Qty.
1	4H7-14710-01-00	MUFFLER ASS'Y 1	1
2	4H7-14720-01-00	MUFFLER ASS'Y 2	1
3	4H7-14621-02-00	PIPE, exhaust 2	1
4	4H7-14631-02-00	PIPE, exhaust 3	1
5	4H7-14755-00-00	GASKET, silencer	4
6	4H7-14714-00-00	GASKET, muffler	1
7	97311-08025-00	BOLT	5
8	92901-08600-00	WASHER, plate	5
9	92501-06025-00	SCREW, pan head	2
10	92901-06600-00	WASHER, plate	2
11	4H7-14613-00-00	GASKET, exhaust pipe	4
12	4H7-14612-00-00	NUT, ring	4
13	90179-06308-00	NUT	8
14	95801-10040-00	BOLT, flange	2
15	90201-10669-00	WASHER, plate	2
16	90179-10276-00	NUT	2
17	97313-06012-00	BOLT	4
18	4H7-14611-02-00	PIPE, exhaust 1	1
19	4H7-14641-02-00	PIPE, exhaust 4	1
20	92903-06600-00	WASHER, plate	4
21	1A0-27114-00-00	STOPPER, main stand	1

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

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

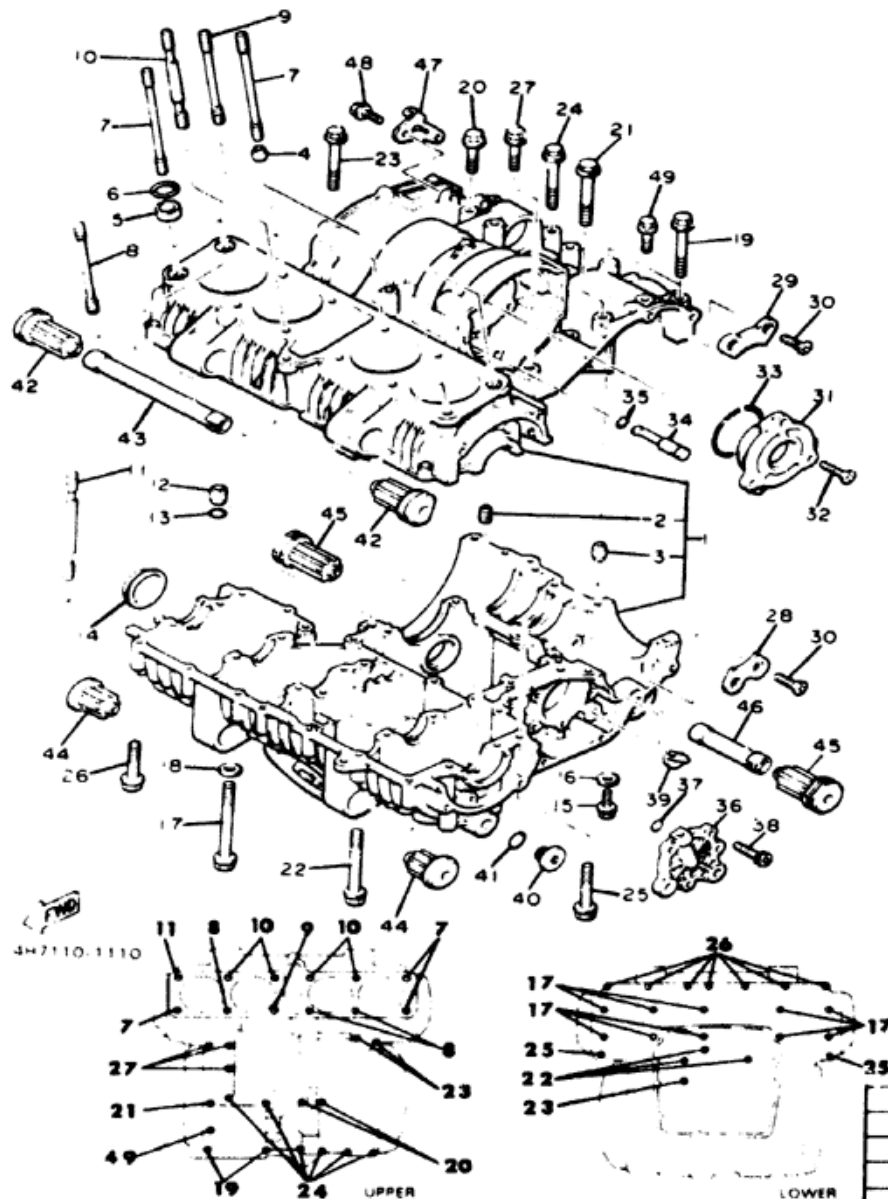
CRANKCASE



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

Oiling System	Wet Sump
Capacity: Dry	3500cc
Oil and Filter Change	2650cc
Oil Change	2350cc
Lubricant: Temp. Above 5°C (40°F)	Yamalube 4* or SAE 20W40 SE
Temp. Below 15°C (60°F)	SAE 10W30 SE
Drain Plug	14 x 15: 43 mm kg

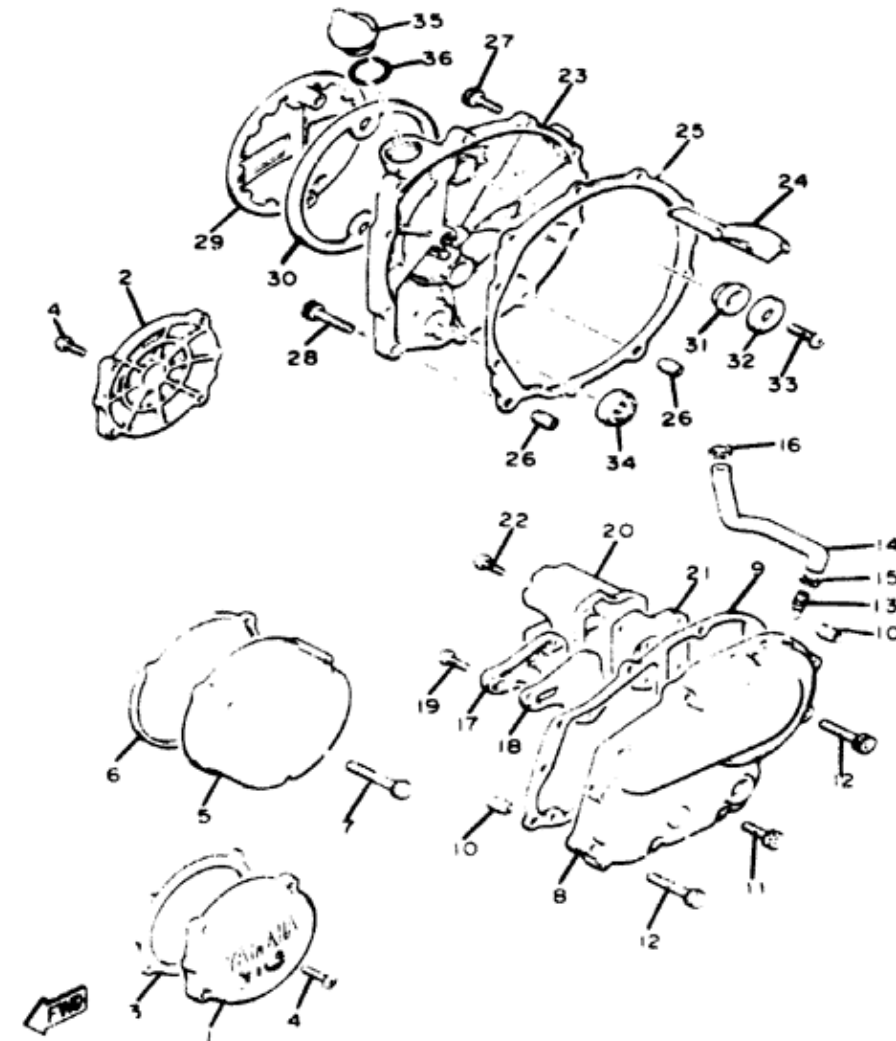
CRANKCASE



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

Oiling System	Wet Sump
Capacity: Dry	3500cc
Oil and Filter Change	2650cc
Oil Change	2350cc
Lubricant: Temp. Above 5°C (40°F)	Yamalube 4* or SAE 20W40 SE
Temp. Below 15°C (60°F)	SAE 10W30 SE
Drain Plug	14 x 1.5: 4.3 m.kg

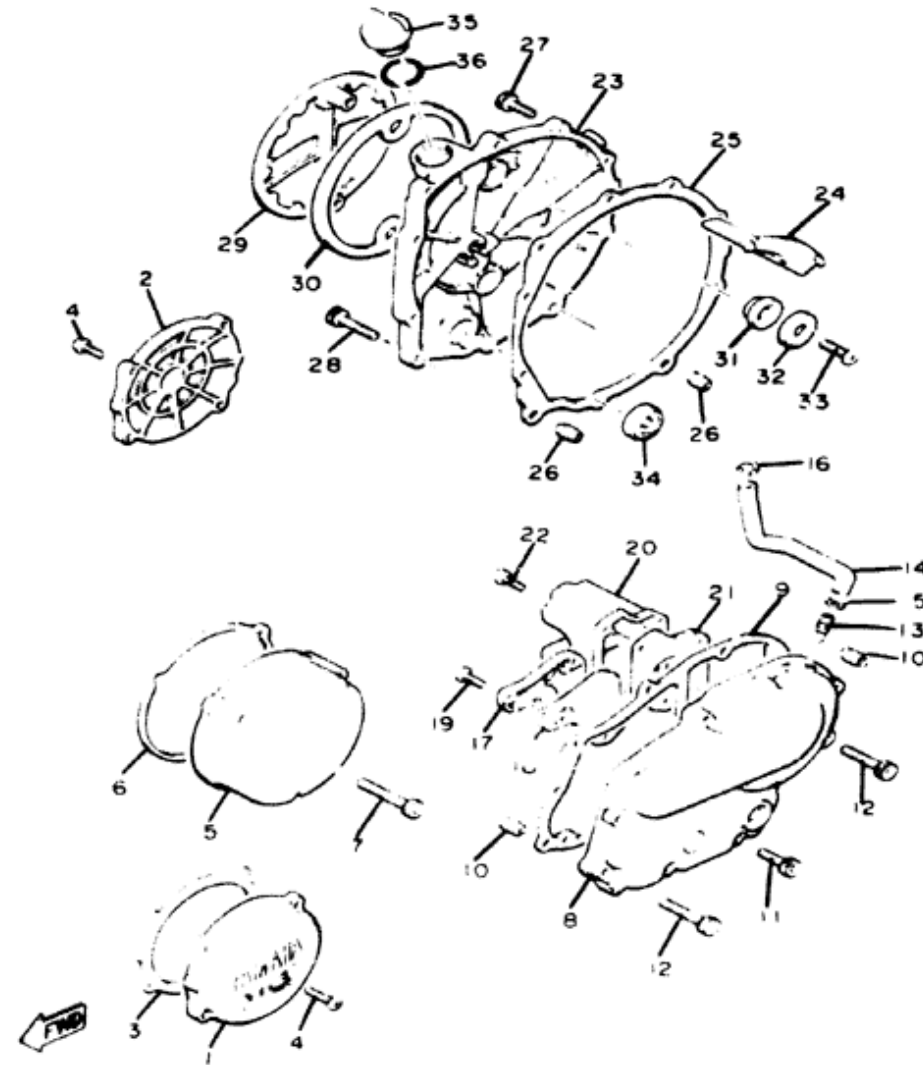
CRANKCASE COVER



548110 2120

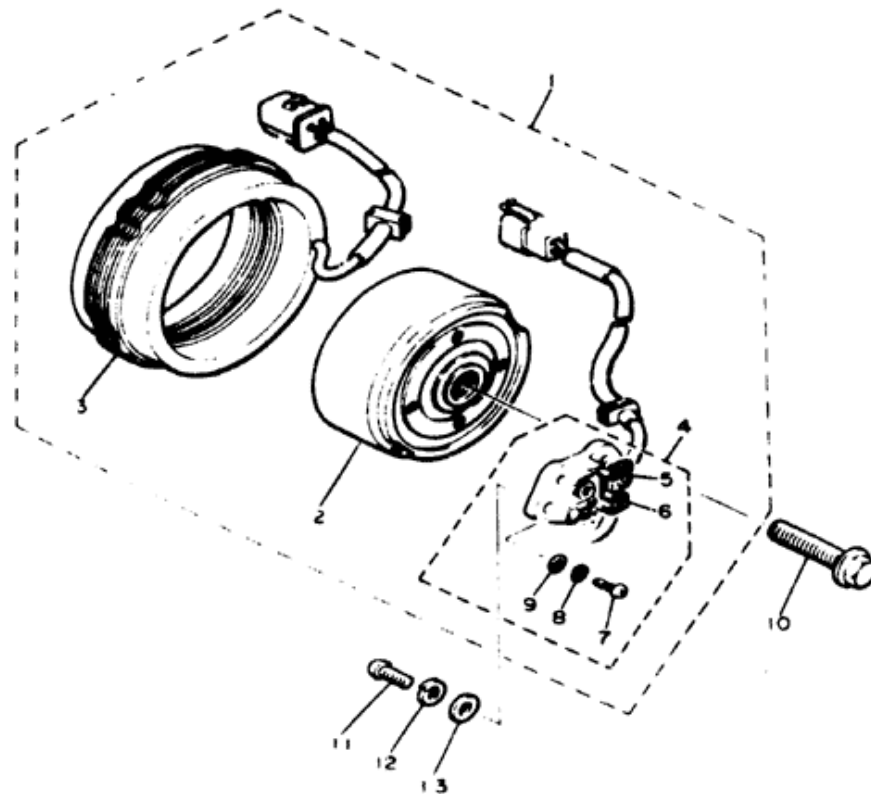
Ref. No.	Part Number	Description	Qty.
1	4U8-15416-01-00	COVER, oil pump	1
2	4U8-15426-01-00	COVER, oil pump 2.....	1
3	4H7-15456-00-00	GASKET, oil pump cover 1	1
4	98901-06020-00	SCREW, bind.....	8
5	4H7-15415-00-00	COVER, generator.....	1
6	4H7-15455-00-00	GASKET 1.....	1
7	91311-06070-00	BOLT	3
8	5N8-15411-00-00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

CRANKCASE COVER



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

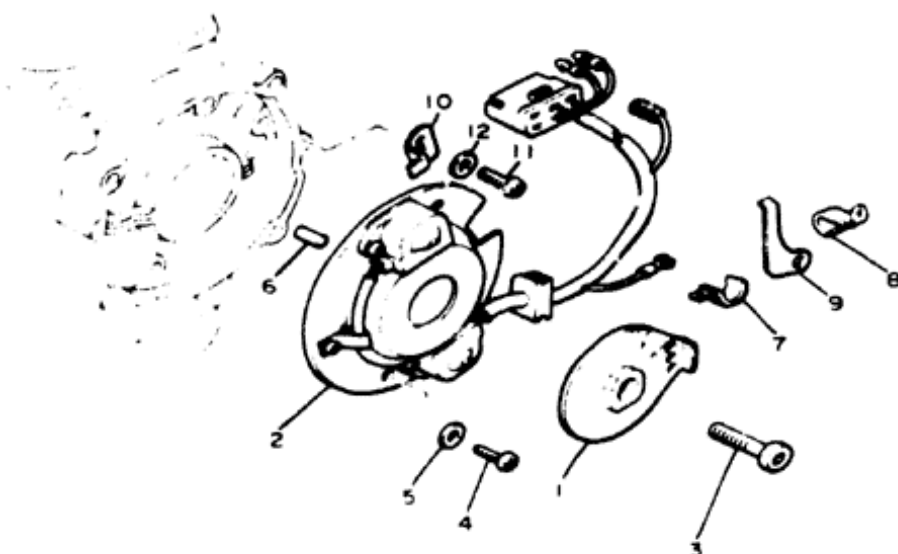
A. C. GENERATOR



Ref. No.	Part Number	Description	Qty.	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	4H7-81611-10-00	BRUSH 1.....	1	
6	4H7-81612-10-00	BRUSH 2.....	1	
7	98501-04012-00	SCREW, pan head.....	2	
8	92901-04100-00	WASHER, spring.....	2	
9	92901-04600-00	WASHER, plate.....	2	
10	90105-10152-00	BOLT, washer based.....	1	
11	92503-06015-00	SCREW, pan head (92502-06016).....	2	
12	92903-06100-00	WASHER, spring.....	2	
13	92901-06600-00	WASHER (92902-06600).....	2	

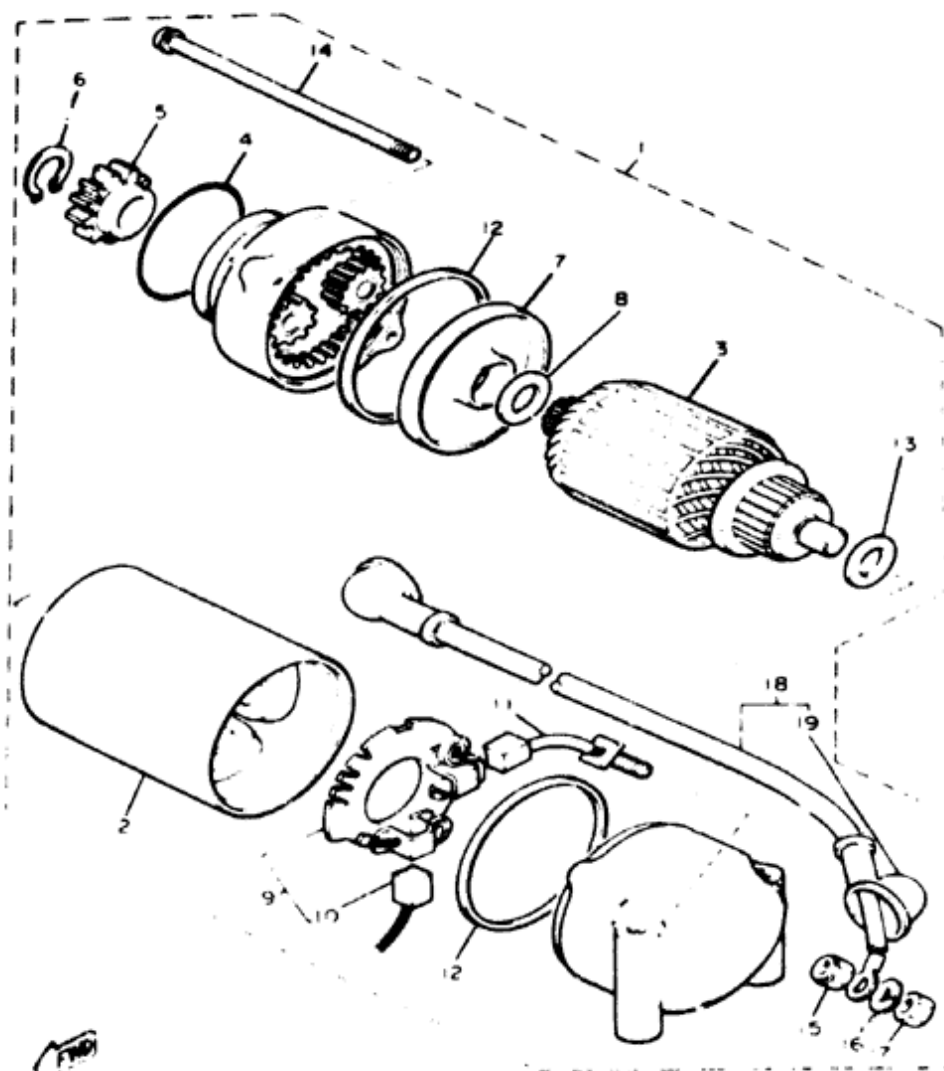
CHASSIS SYSTEM	AC Generator / 3-Phase / Full Wave
Battery: Model / Specific Gravity / Charge Rate	12N12A-4A-1 (12V12AH) / 1.28 / 1.2A
Maximum Output	14V19A @ 5000 rpm
Field Coil Color Code / Ω	Grn ~ Brn / 4.00 ± 10%
Stator Coil Color Code / Ω	Whi ~ Whi / 0.460 ± 10%

PICKUP COIL - GOVERNOR



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

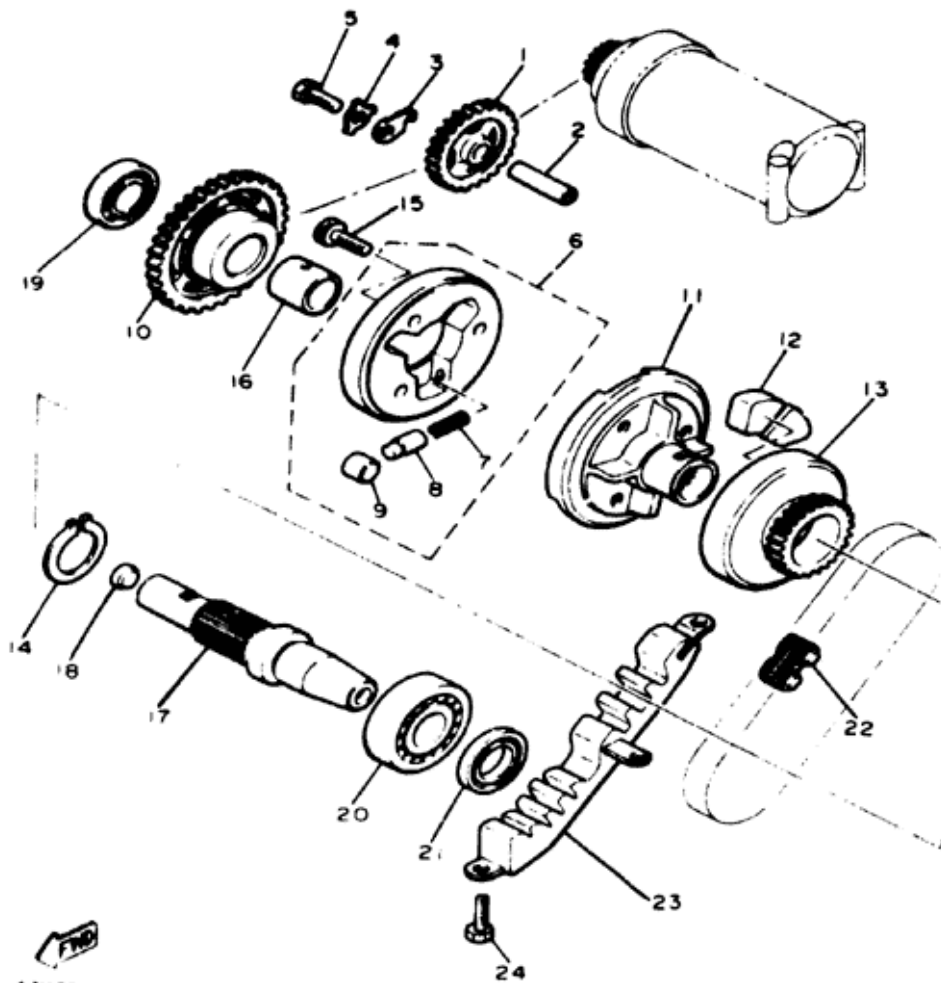
STARTING MOTOR



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



STARTER CLUTCH

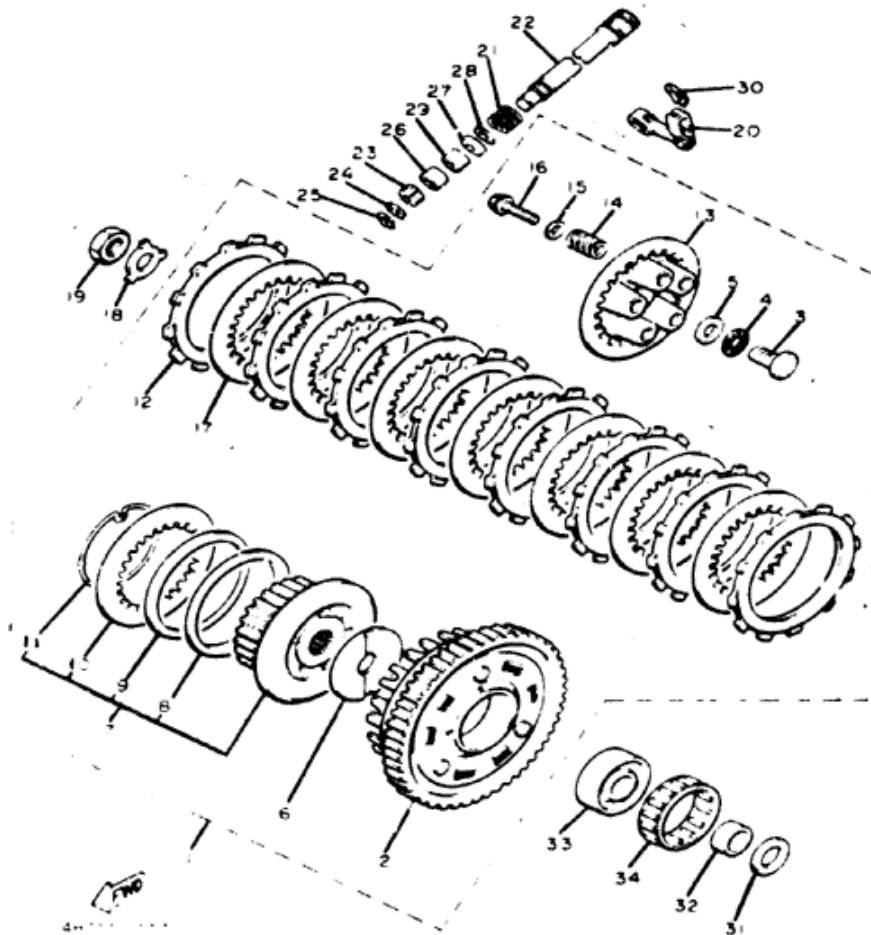


17Y700 2200

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

* Indicates new part numbers activated from March, 1982.

CLUTCH



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

Clutch Nut

Clutch Friction Plate Thickness Std ~ Min

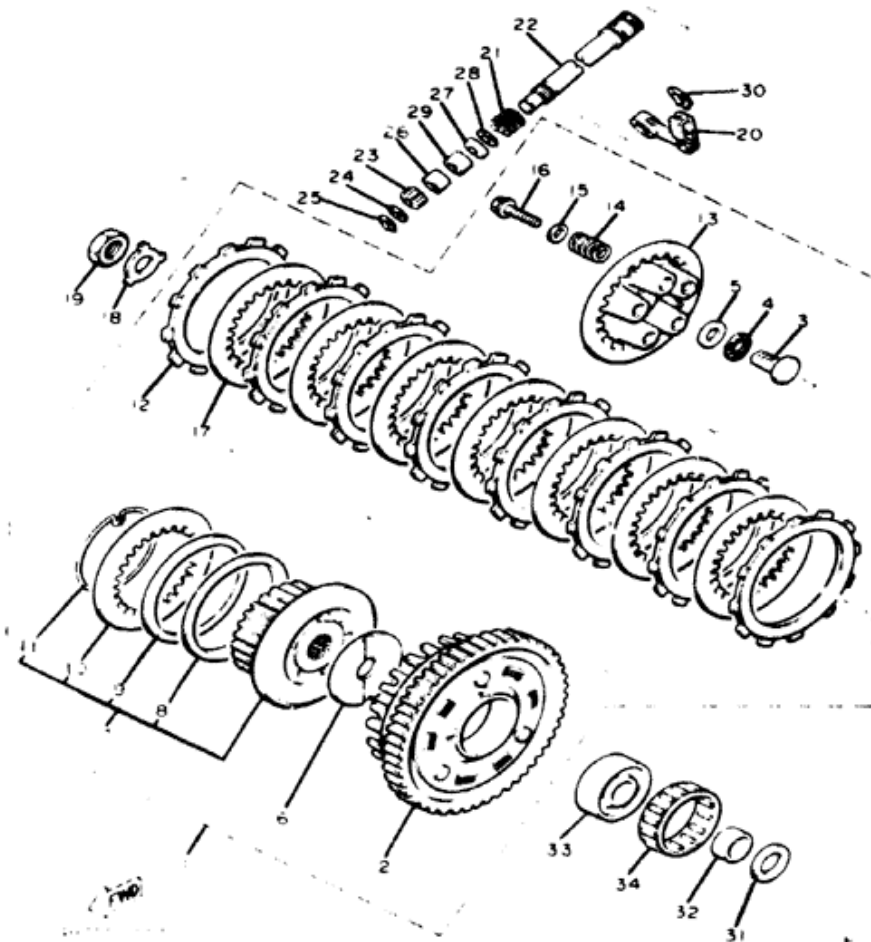
Clutch Spring Length Std ~ Min

20 x 10 7.2 m.kg

3.0 ~ 2.8mm

40.1 ~ 39.1mm

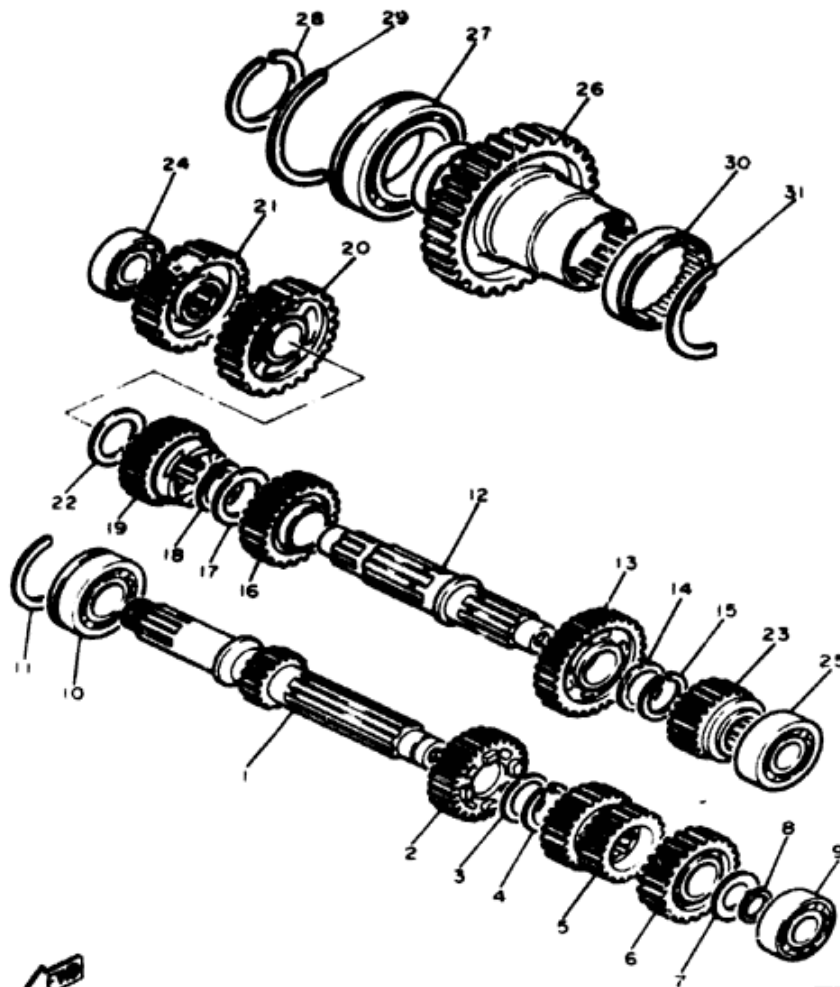
CLUTCH



Ref. No.	Part Number	Description	Qty.	Remarks
21	90508-16459-00	SPRING, torsion	1	
22	4H7-16382-01-00	AXLE, push lever	1	
23	4H7-16398-00-00	PINION, release (16T)	1	
24	92901-08600-00	WASHER, plate	1	
25	93430-07012-00	CIRCLIP	1	
26	93317-11020-00	BEARING, cylindrical	1	
27	93102-12224-00	OIL SEAL	1	
28	102-18137-00-10	WASHER 1	1	
29	93315-11206-00	BEARING, cylindrical	1	
30	93430-09035-00	CIRCLIP	1	
31	2K7-16154-00-00	PLATE, thrust 1	1	
32	90337-252A8-00	COLLAR	1	
33	4H7-16181-00-00	SPACER 1	1	
34	93310-365H3-00	BEARING, cylindrical ..	1	

Clutch Nut	20 x 1.0 7.2 m·kg
Clutch Friction Plate Thickness Std ~ Min	3.0 ~ 2.8mm
Clutch Spring Length Std ~ Min	40.1 ~ 39.1mm

TRANSMISSION



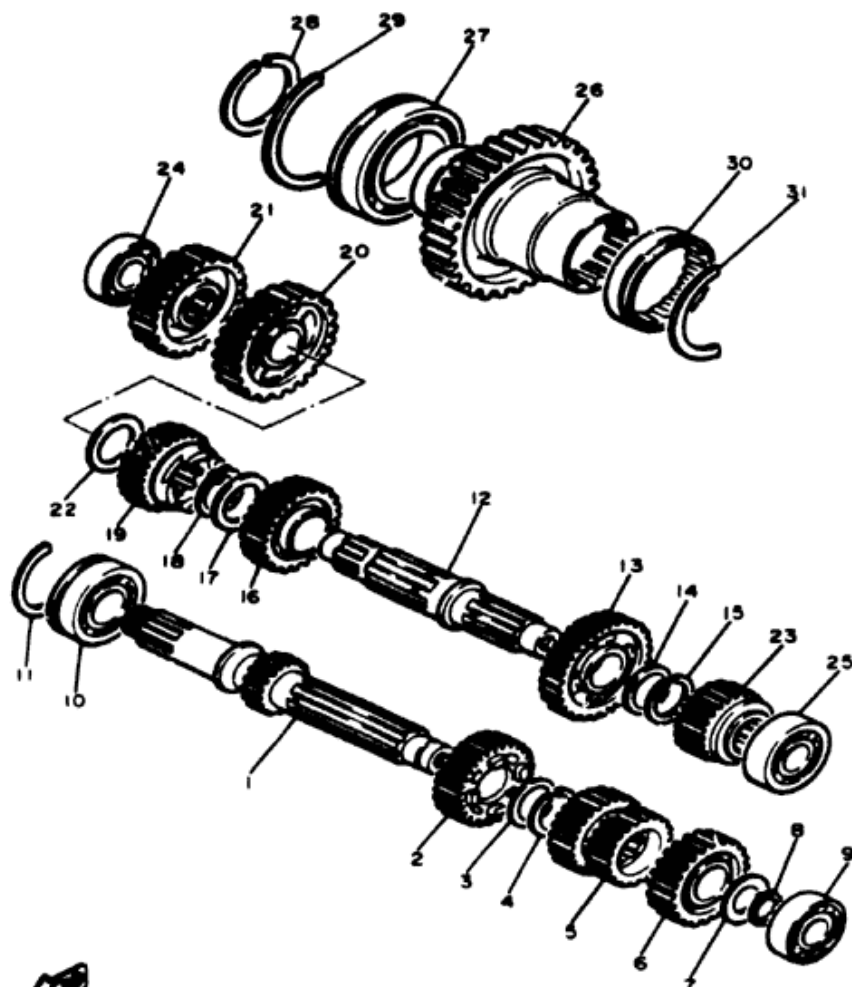
Ref. No.	Part Number	Description	Qty.	Remarks
1	4H7-17401-00-00	MAIN AXLE ASS'Y (16T)	1	
2	4H7-17141-00-00	GEAR, 4th pinion (30T)	1	
3	90209-22191-00	WASHER	1	
4	93440-25019-00	CIRCLIP	1	
5	4H7-17121-00-00	GEAR, 2nd/3rd pinion (20/26T)	1	
6	4H7-17151-00-00	GEAR, 5th pinion (32T)	1	
7	90201-20276-00	WASHER, plate	1	
8	93410-20009-00	CIRCLIP	1	
9	93305-20434-00	BEARING (B6204)	1	
10	93306-30528-00	BEARING (B6305Z)	1	
11	278-17424-01-00	CIRCLIP 1	1	
12	4H7-17402-01-00	DRIVE AXLE ASS'Y	1	
13	4H7-17221-01-00	GEAR, 2nd wheel (30T)	1	
14	90209-22191-00	WASHER	1	
15	93440-25019-00	CIRCLIP	1	
16	4H7-17231-01-00	GEAR, 3rd wheel (30T)	1	
17	90209-25196-00	WASHER	1	
18	93440-28062-00	CIRCLIP	1	



5N8110 2180

TRANSMISSION - Oil Type / City Change / City Dry	See ENGINE Above
Secondary Drive Type / Teeth / Chain	Shaft / 49-36 x 19-18 x 32-11 / 2
Oiling System	Wet Sump
Capacity: Dry	3500cc
Oil and Filter Change	2650cc
Oil Change Only	2350cc
Lubricant: Temp. Above 5°C (40°F)	Yamalube 4* or SAE 20W40 SE or SF
Temp. Below 15°C (60°F)	SAE 10W30 SE or SF

TRANSMISSION

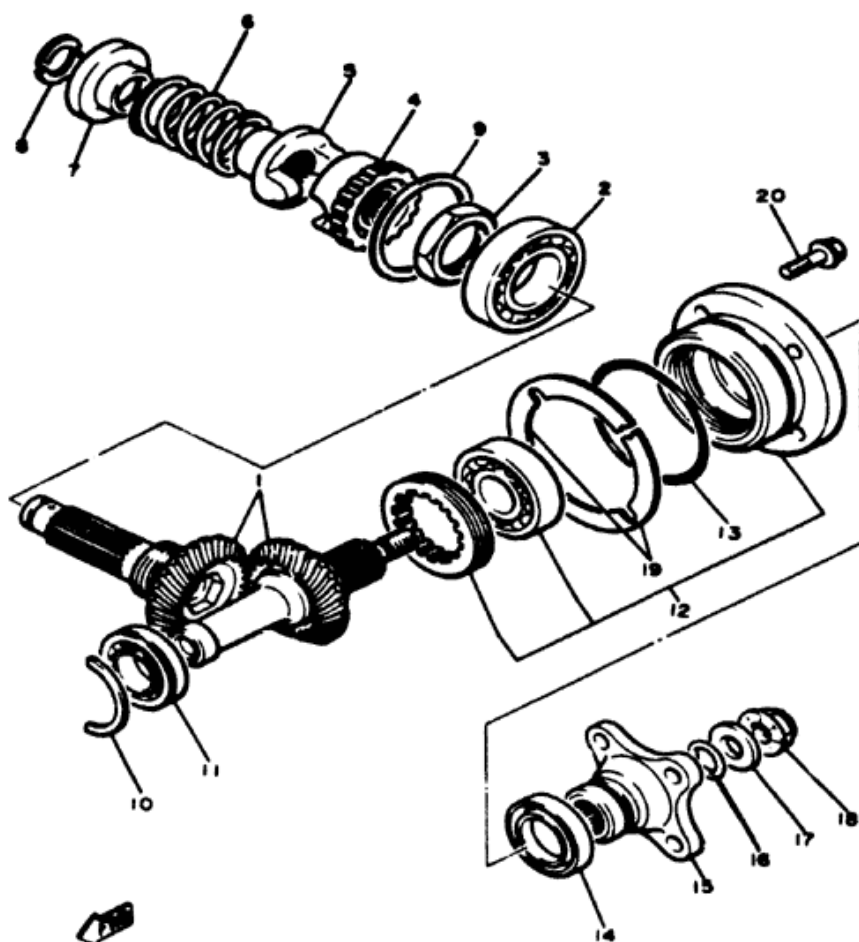


Ref. No.	Part Number	Description	Qty.	Remarks
19	4H7-17241-00-00	GEAR, 4th wheel (28T)	1	
20	4H7-17211-01-00	GEAR, 1st wheel (35T)	1	
21	4H7-17582-00-00	GEAR, middle drive (36T)	1	
22	90201-243A2-00	WASHER, plate	1	
23	4H7-17251-01-00	GEAR, 5th wheel (26T)	1	
24	93306-30301-00	BEARING (B6303)	1	
25	93306-30425-00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



5N8110-2180

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



4H7110-1190

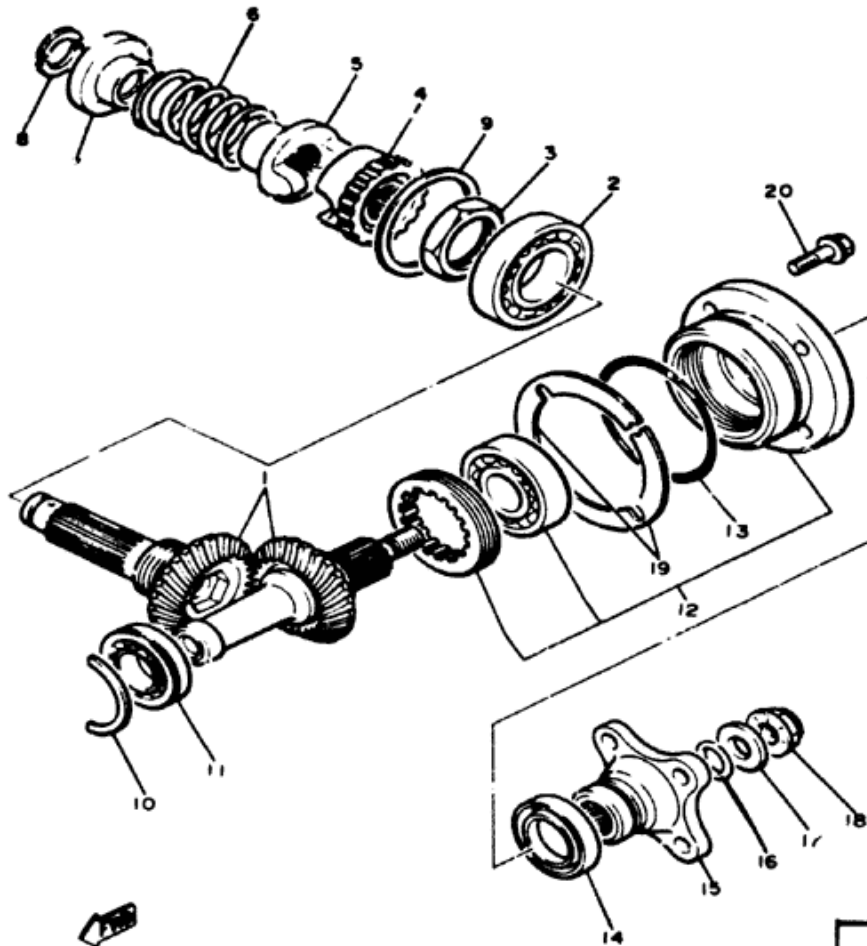
MIDDLE DRIVE GEAR

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

Secondary Drive Type : Teeth : Chain

Shaft / 49-36 x 12-18 x 32-11 / Ø

MIDDLE DRIVE GEAR



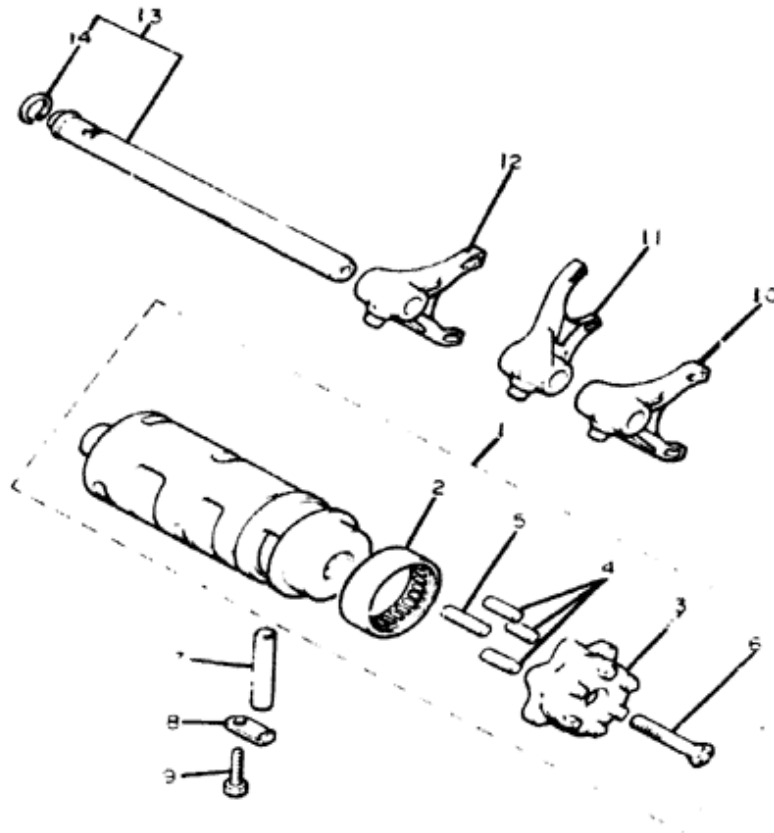
Ref. No.	Part Number	Description	Qty.	Remarks
15	4H7-17555-00-00	FLANGE, middle gear	1	
16	93210-14359-00	O-RING	1	
17	90201-14633-00	WASHER, plate	1	
18	90179-14317-00	NUT	1	
19	4H7-17531-00-10	SHIM, pinion (0.10T)	2	U.R.
	4H7-17521-00-1E	SHIM, pinion (0.15T)	2	U.R.
	4H7-17531-00-20	SHIM, pinion (0.20T)	2	U.R.
	4H7-17531-00-30	SHIM, pinion (0.30T)	2	U.R.
	4H7-17531-00-40	SHIM, pinion (0.40T)	2	U.R.
	4H7-17531-00-50	SHIM, pinion (0.50T)	2	U.R.
20	95821-08030-00	BOLT, flange	4	

4H7110-1190

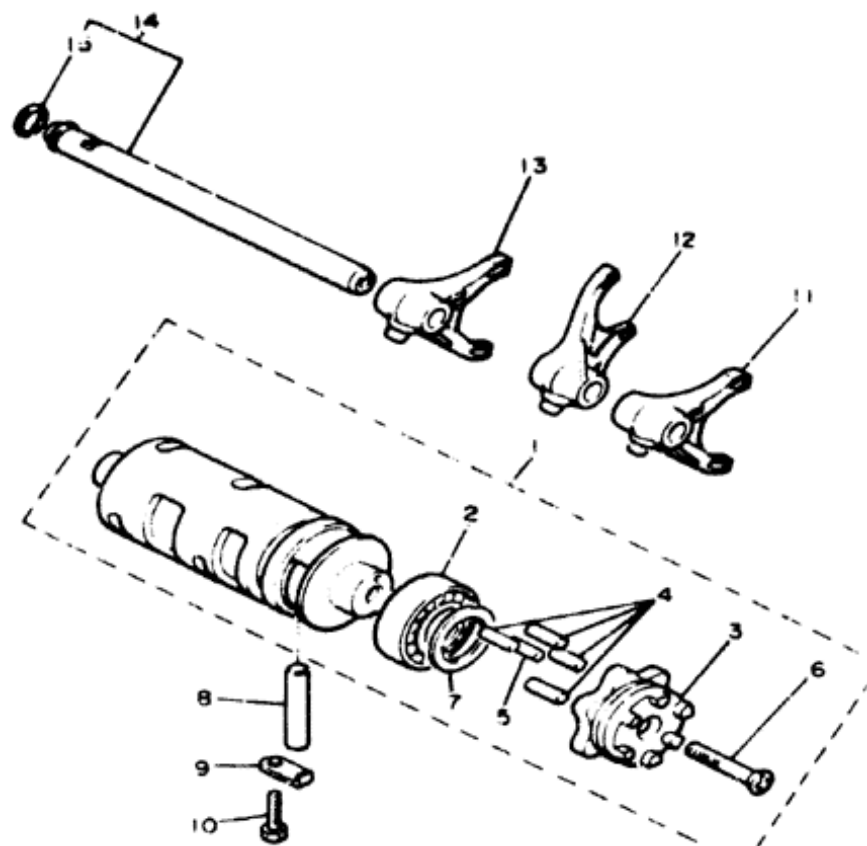
Secondary Drive Type: Teeth / Chain

Shaft: 49-36 x 19-18 x 32-11 / 8

SHIFT CAM - FORK



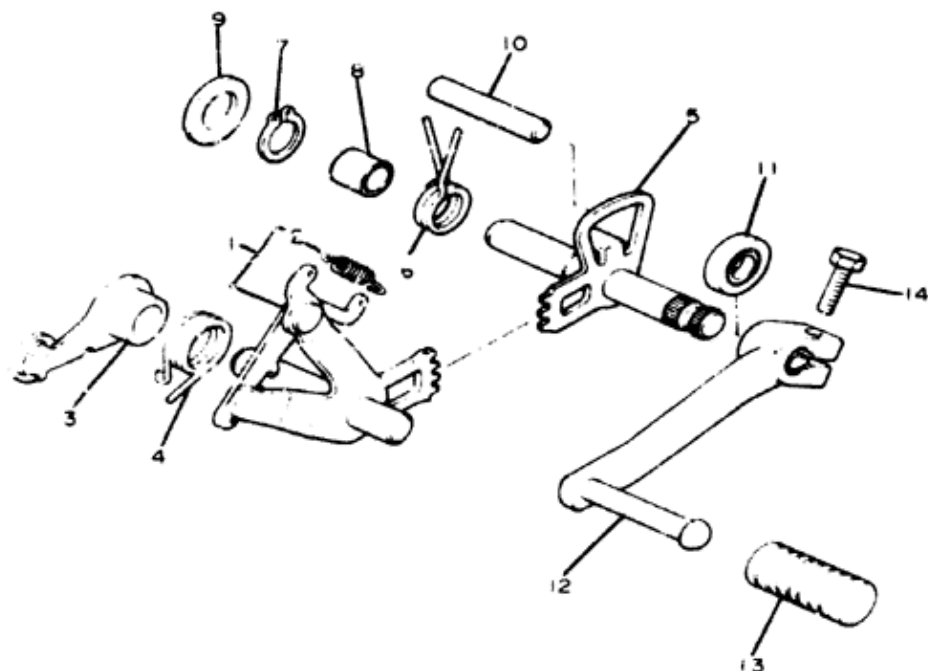
Ref. No.	Part Number	Description	Qty.
1	4H7-18540-00-00	SHIFT CAM ASS'Y	1
2	93315-23612-00	. BEARING, cylindrical.	1
3	4H7-18185-00-00	. SEGMENT	1
4	93604-16092-00	. PIN, dowel	3
5	93604-20156-00	. PIN, dowel	1
6	98701-05035-00	. SCREW, flat head	1
7	93608-43157-00	PIN, dowel	1
8	2H7-15531-00-00	PLATE,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



SHIFT CAM FORK

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

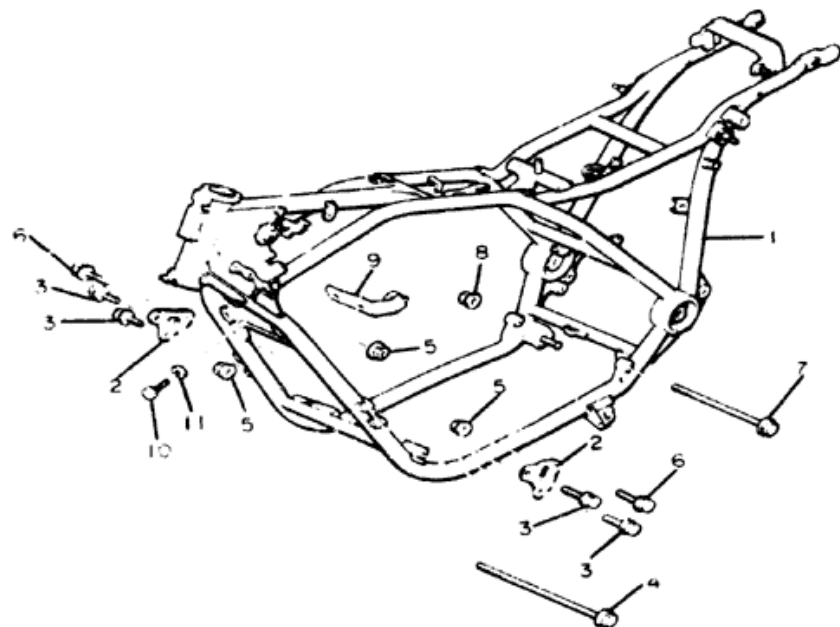
* Indicates new part numbers activated from March, 1982.



SHIFT SHAFT • PEDAL

Ref. No.	Part Number	Description	Qty.
1	4H7-18101-00-00	SHIFT SHAFT ASS'Y	1
2	90508-08227-00	. SPRING, tension	1
3	4H7-18140-00-00	STOPPER LEVER ASS'Y	1
4	90508-29530-C0	SPRING, torsion	1
5	4H7-18120 C1-00	SHIFT LEVER ASS'Y	1
6	90508-32535-00	SPRING, torsion	1
7	93430-10018-00	CIRCLIP	1
8	90387-124F4-00	COLLAR	1
9	90201-12528-00	WASHER, plate	1
10	93808-50158-00	PIN, dowel	1
11	93102-12106-00	OIL SEAL	1
12	4H7-18111-00-00	PEDAL, shift	1
13	132-18113-01-00	COVER, shift pedal	1
14	97321-06020-00	BOLT	1



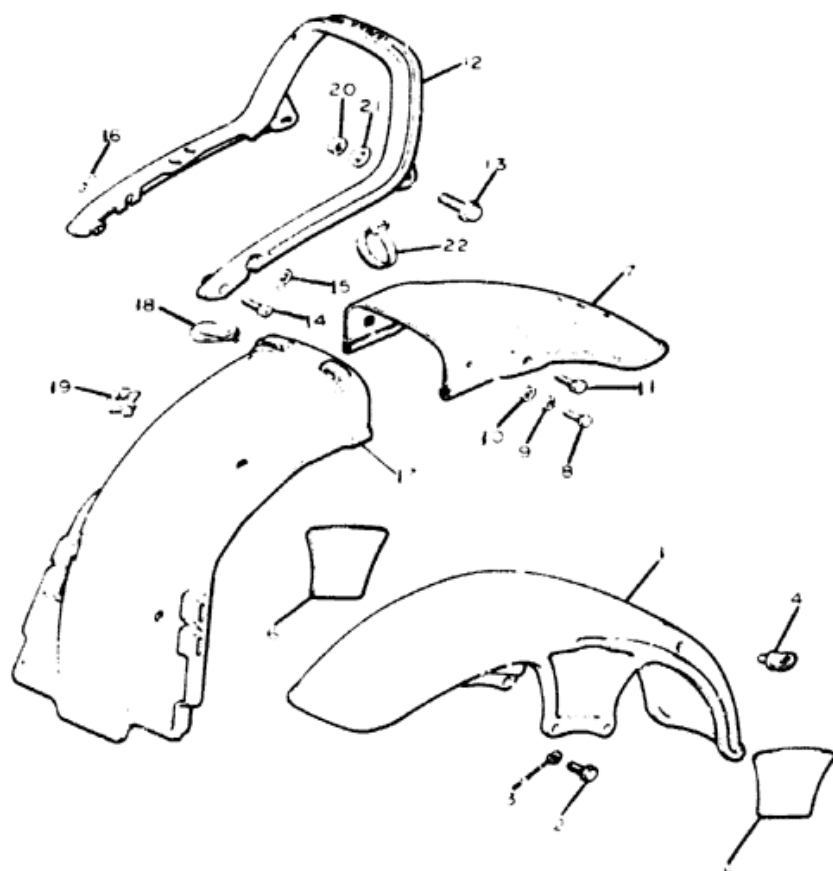


FRAME

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

FWD

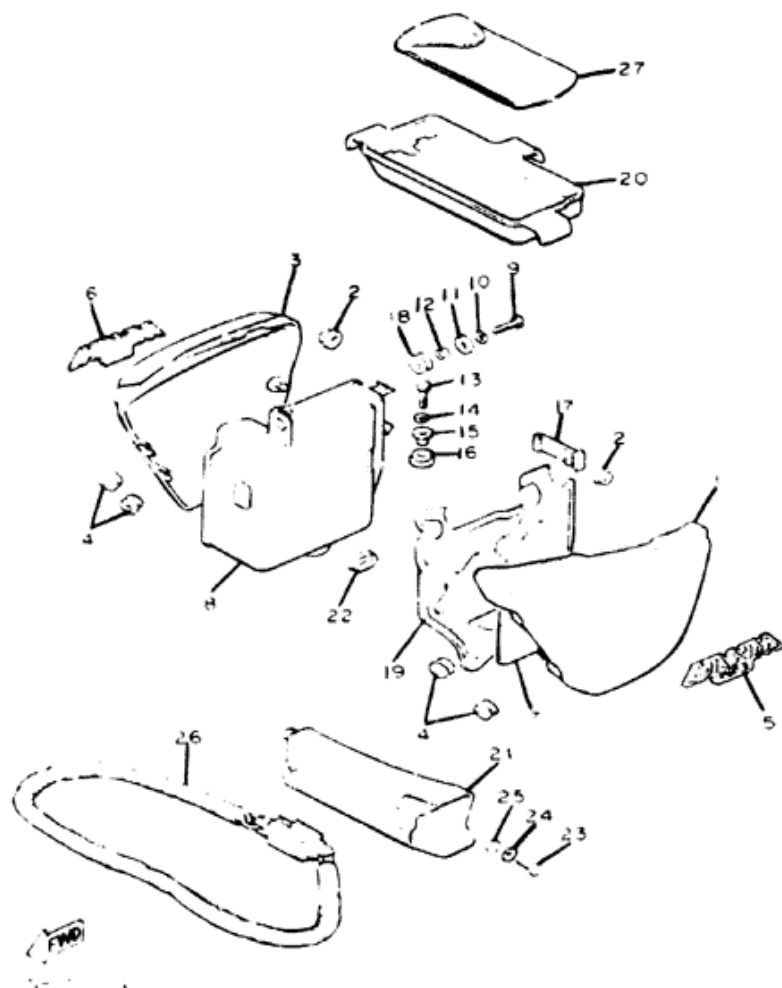
Initial Engine Number	Frame Number	5N8-000101	5N8-000101
Engine Mounting Bolts	Front Upper	10 x 1.25	4.2 m.kg
	Front Lower	10 x 1.25	4.2 m.kg
	Rear	12 x 1.25	7.0 m.kg



40211 1-2-40

FRONT FENDER • REAR FENDER

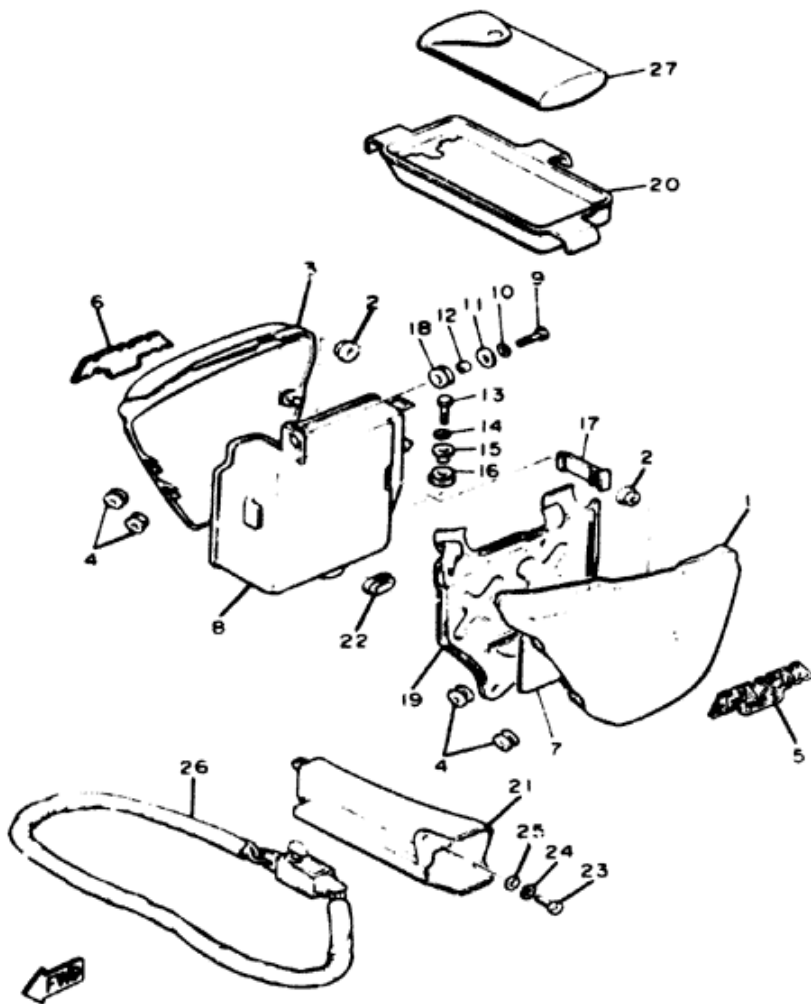
Ref. No.	Part Number	Description	Qty.	Remarks
1	4H7-21510-01-93	FRONT FENDER COMP.	1	Chrome-Plated
2	97301-08020-00	BOLT	4	
3	92903-08100-00	WASHER, spring (92901-08100)	4	
4	1A0-21518-00-00	HOLDER, cable	1	
5	4H7-21575-00-00	SEAL 1	1	
6	4H7-21576-00-00	SEAL 2	1	
7	4H7-21610-00-93	REAR FENDER COMP.	1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



SIDE COVER • TOOL

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

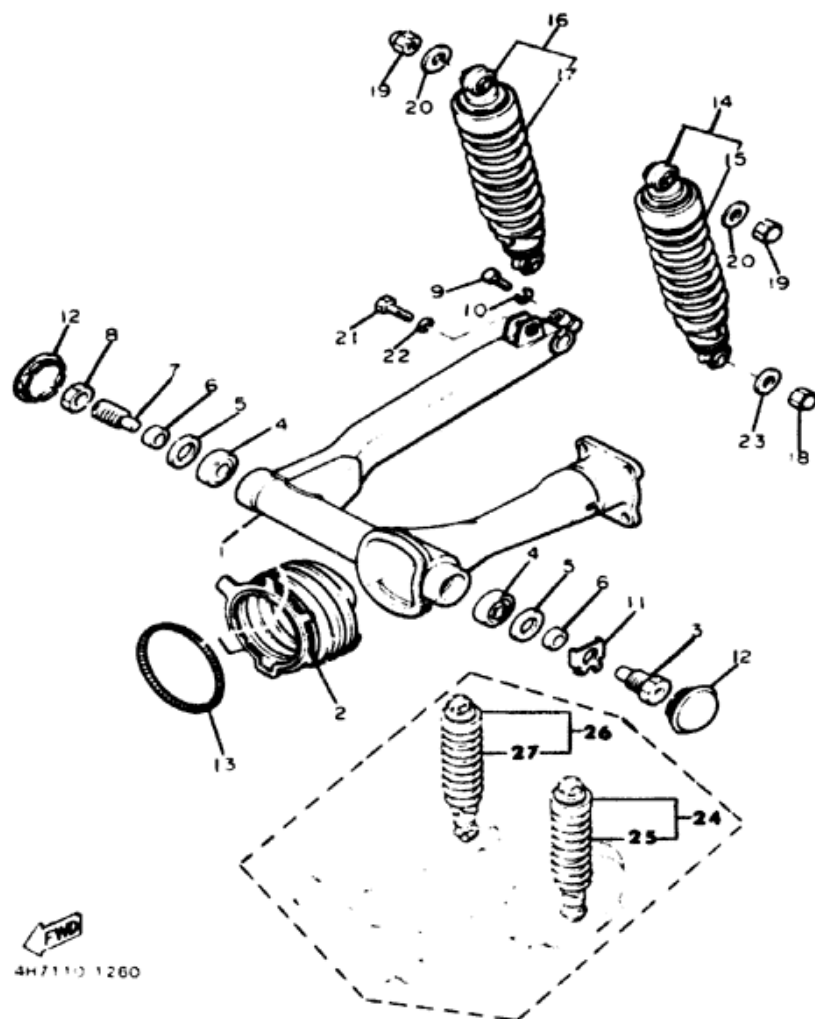
SIDE COVER - TOOL



5N8110 2240

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

*Indicates new part numbers activated from March, 1982.



4H7110-1260

REAR ARM - SUSPENSION

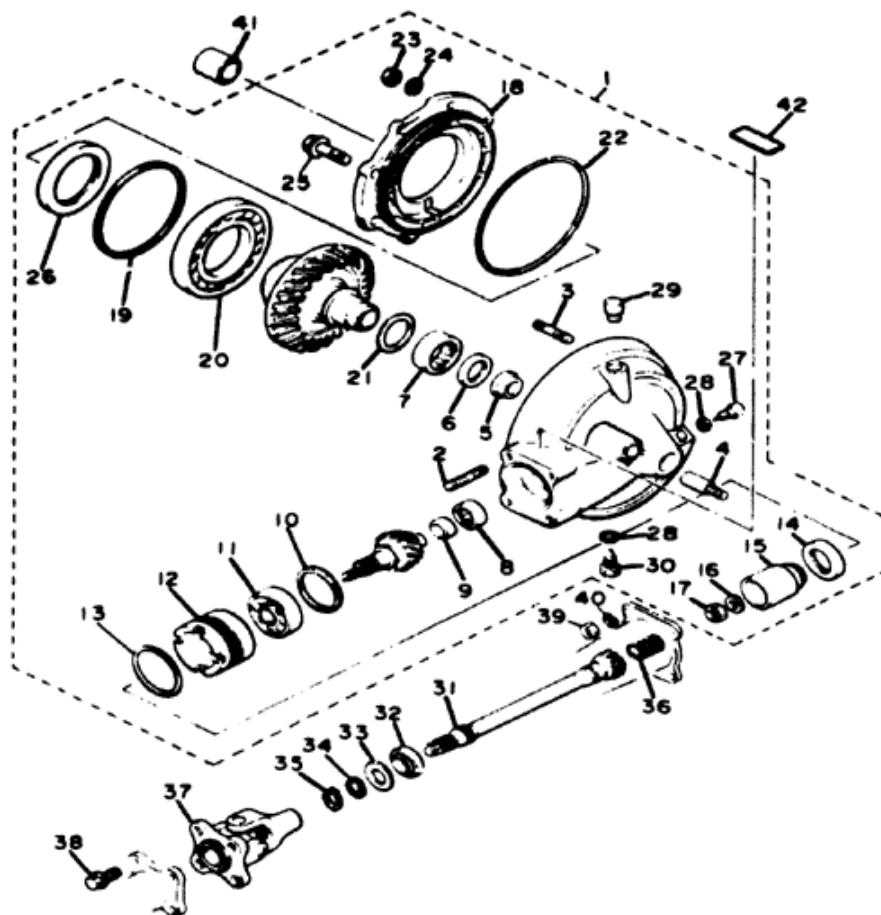
Ref. No.	Part Number	Description	Qty.	Remarks
* 1	4H7-22110-00-98	REAR ARM COMP. (4H7-22110-00-33)	1	Yamaha Black
2	4H7-22189-00-00	BOOT, rubber	1	
3	4H7-22141-00-00	SHAFT, pivot	1	
4	93332-00010-00	BEARING	2	
5	93102-25017-00	OIL SEAL	2	
6	90387-17543-00	COLLAR	2	
7	1J7-22141-00-00	SHAFT, pivot	1	
8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

ALTERNATE PARTS

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

* Indicates new part numbers activated from March, 1983.

DRIVE SHAFT

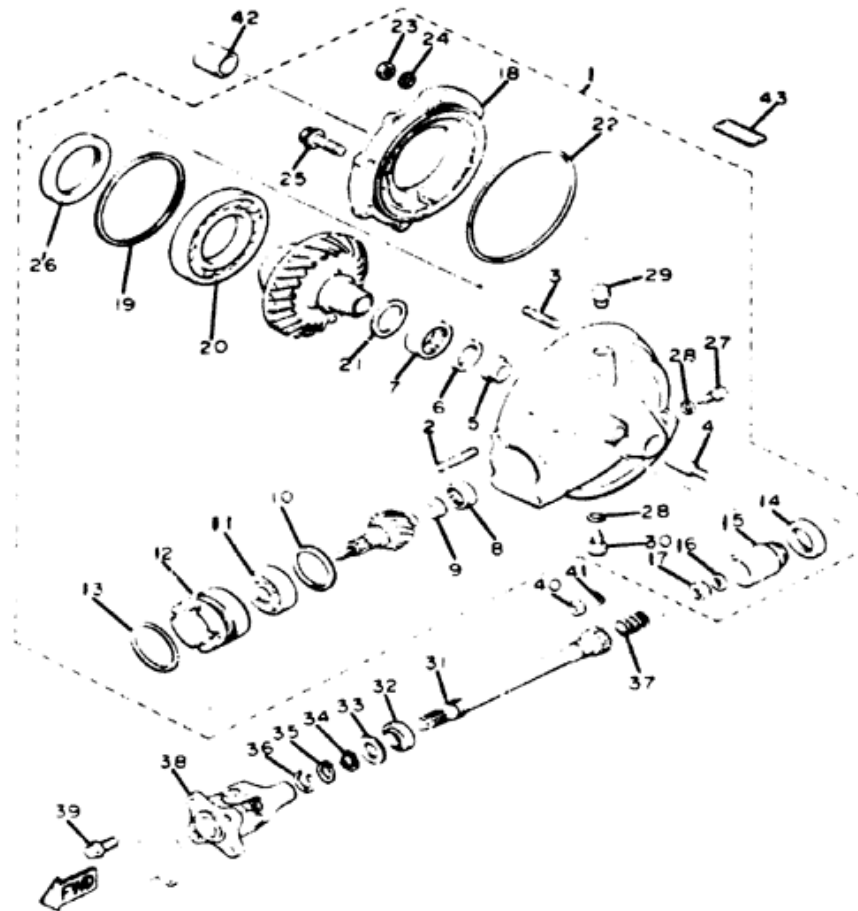


Ref. No.	Part Number	Description	Qty.	Remarks
1	5G2-46101-00-00	REAR AXLE GEAR CASE ASS'Y	1	
2	90116-10362-00	BOLT, stud	4	
3	90116-08360-00	BOLT, stud	6	
4	90116-10249-00	BOLT, stud	1	
5	4H7-46153-00-00	COLLAR, guide	1	
6	93101-30084-00	OIL SEAL	1	
7	93311-43729-00	BEARING, cylindrical	1	
8	93317-41510-00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

15U171-2270

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

DRIVE SHAFT

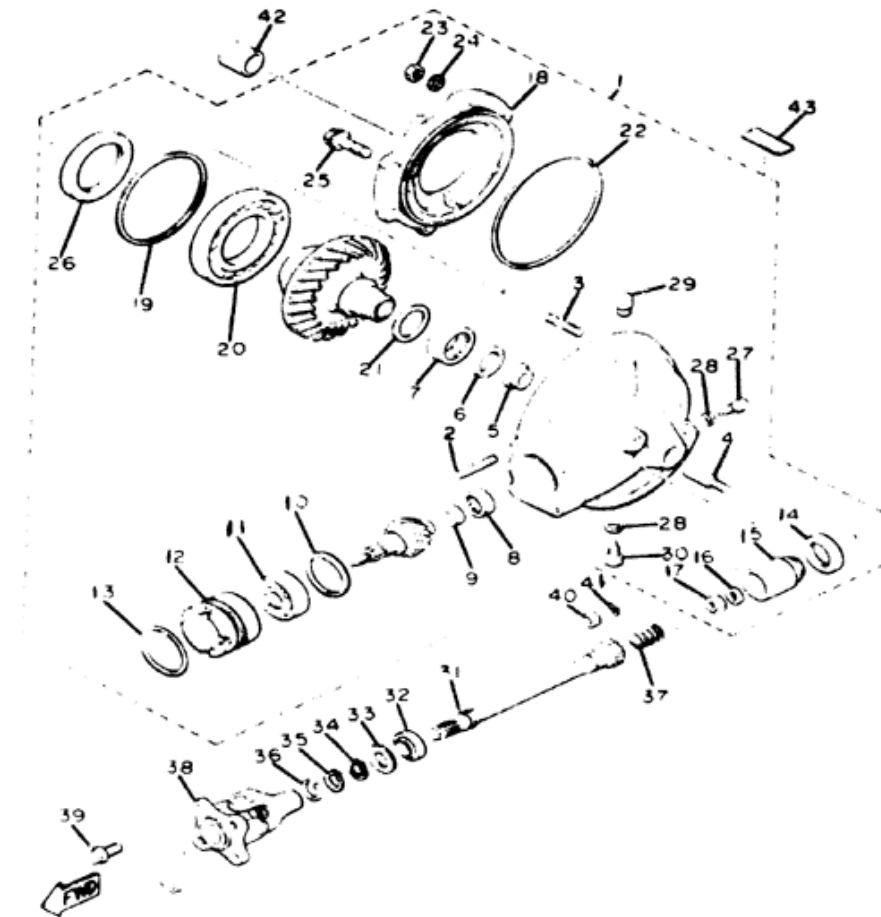


5G2117-1263

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	93316-01403-00	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: Temp. Above 5°C (40°F)	SAE 80 API Hypoid Gear Oil GL-4
Temp. Below 15°C (60°F)	SAE 80 API Hypoid Gear Oil GL-4
All Weather Conditions	SAE 80 API Hypoid Gear Oil GL-4

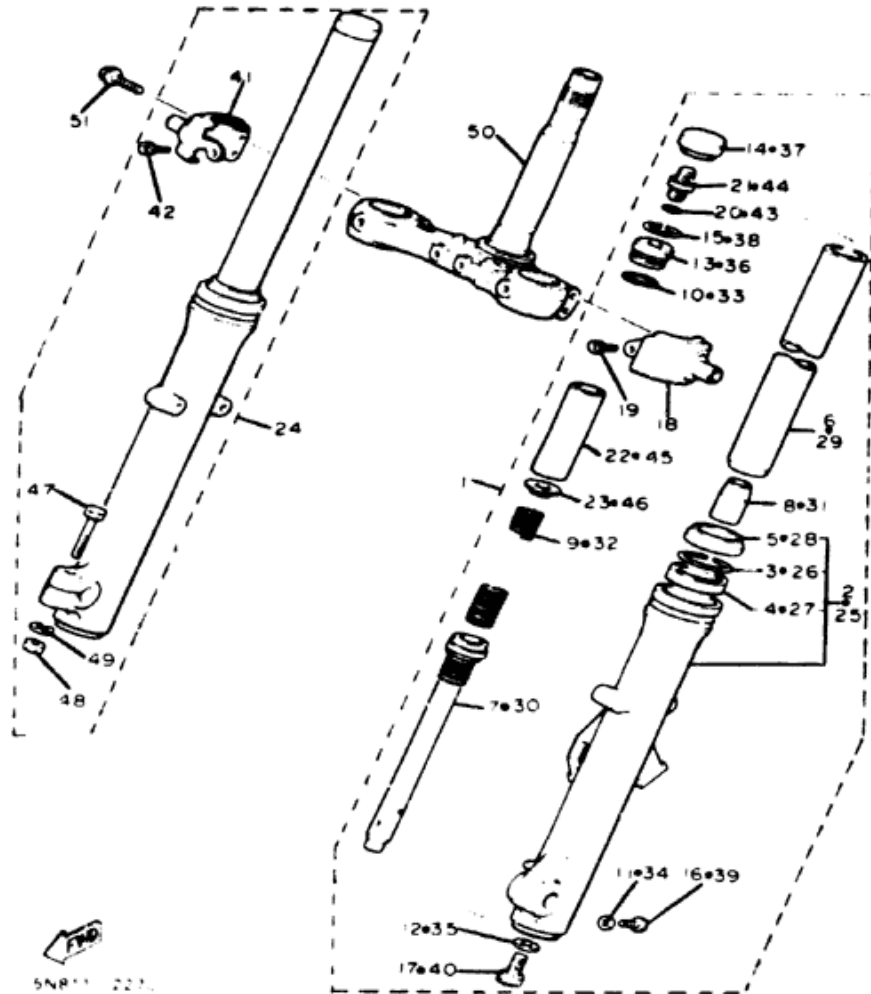
DRIVE SHAFT



Ref No	Number	Description	Qty.	Remarks
23	95311-08600-00	NUT	6	
24	92901-08700-00	WASHER, wave	6	
26	95821-10025-00	BOLT, flange	2	
28	93102-70167-00	OIL SEAL	1	
27	11H-13455-00-00	PLUG, straight screw	1	
	90340-14089-00	PLUG, straight screw (90340-14009)	2	
28	214-11198-01-00	GASKET	2	
29	2H7-17590-00-00	BREATHER COMP.	1	
30	90340-14042-00	PLUG, straight screw	1	
31	5G2-46172-00-00	SHAFT, drive	1	
32	93108-23007-00	OIL SEAL	1	
33	90201 231A2-00	WASHER, plate	1	
34	93410-23056-00	CIRCLIP	1	
35	93410-22039-00	CIRCLIP	1	
36	90468-14067-00	CLIP	1	
37	90501-16491-00	SPRING, compression	1	
38	4H7-46180-00-00	CROSS JOINT COMP.	1	
39	90105-08066-00	BOLT, washer based	4	
40	95316-10600-00	NUT	4	
41	92906-10100-00	WASHER, spring	4	
42	90387-172A5-00	COLLAR	1	
43	4H7-46181-10-00	LABEL, oil caution	1	

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

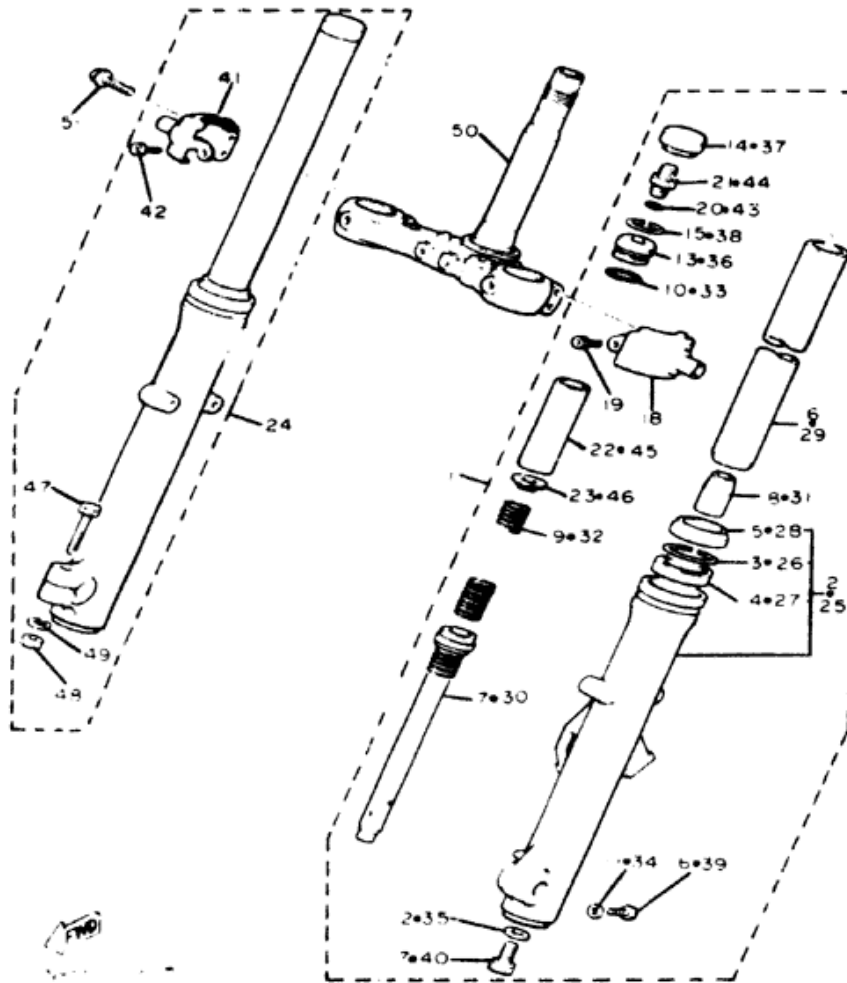
FRONT FORK



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

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

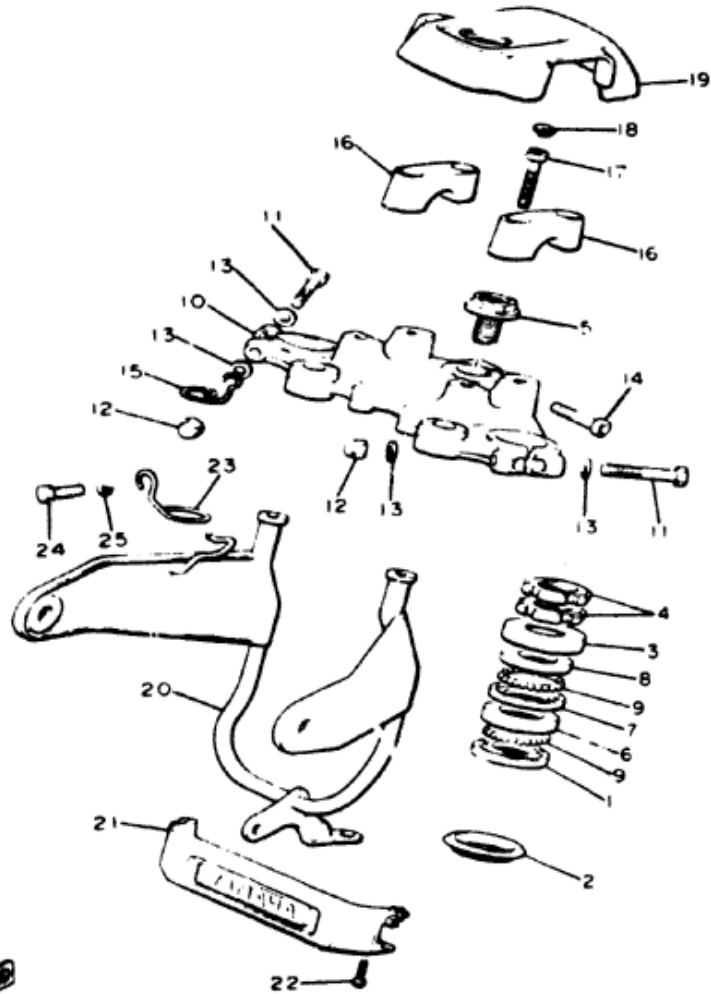
FRONT FORK



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

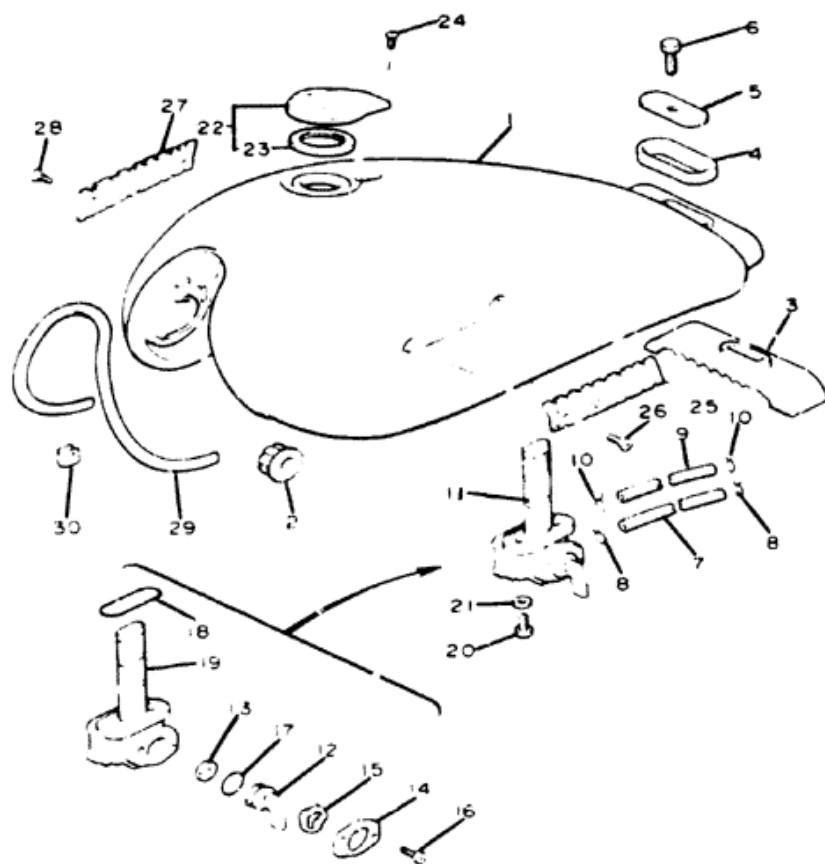
Front Forks: Oil Type	Level	Qty	10 Wt. Fork Oil* : @ 262cc
Gas Pressure			@
Spring Length Std			606mm

STEERING



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



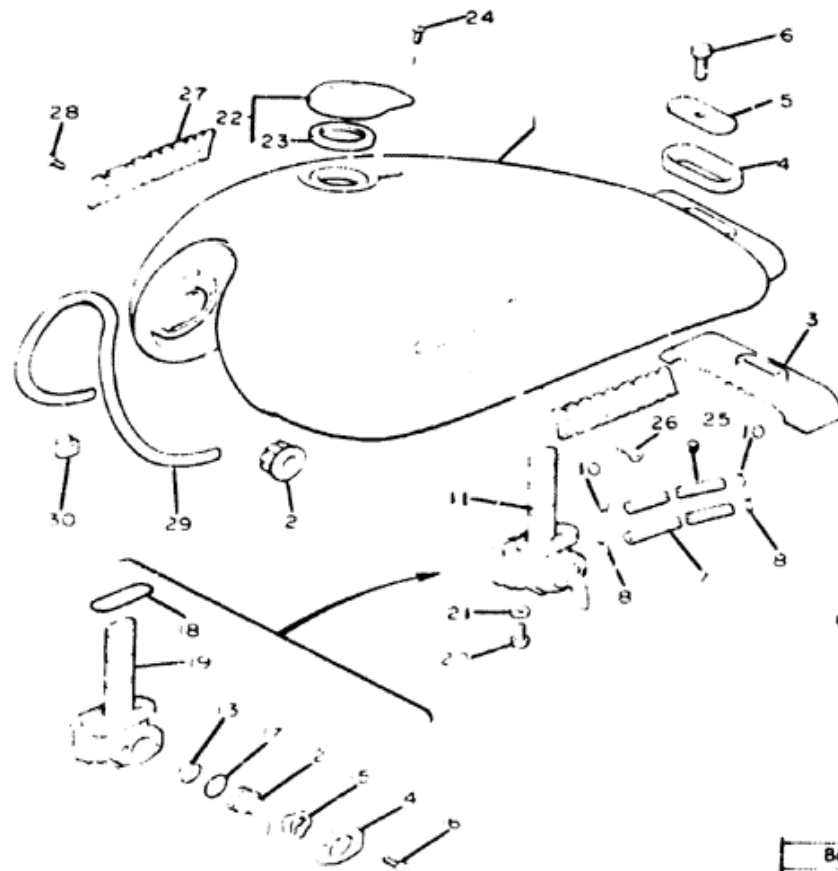


FUEL TANK

Ref. No.	Part Number	Description	Qty.	Remarks
1	4H7-24110-00-H8	FUEL TANK COMP.	1	U.R. Star Red
	4H7-24110-00-4J	FUEL TANK COMP.	1	U.R. Black Blue
2	4H7-24181-00-00	DAMPER, locating 1.	2	
3	4H7-24182-01-00	DAMPER, locating 2.	1	
4	4H7-24183-00-00	DAMPER, locating 3.	1	
5	4H7-24186-00-00	WASHER, special.	1	
6	97302-08012-00	BOLT.	1	
7	90445-11501-00	HOSE.	1	
8	90467-10002-00	CLIP.	2	
9	90445-09500-00	HOSE.	1	
10	90467-08003-00	CLIP.	2	
11	4H7-24500-01-00	FUEL COCK ASS'Y 1.	1	
12	4H7-24524-00-00	LEVER, cock.	1	
13	3H3-24523-00-00	VALVE.	1	
14	4H7-24525-00-00	PLATE, lever fitting.	1	
15	3H3-24518-00-00	WASHER, wave.	1	
16	98501-03008-00	SCREW, pan head.	2	
17	3H3-24534-00-00	O-RING.	1	
18	2W6-24512-00-00	O-RING.	1	
19	3Y1-24514-20-00	NET, filter 1.	1	

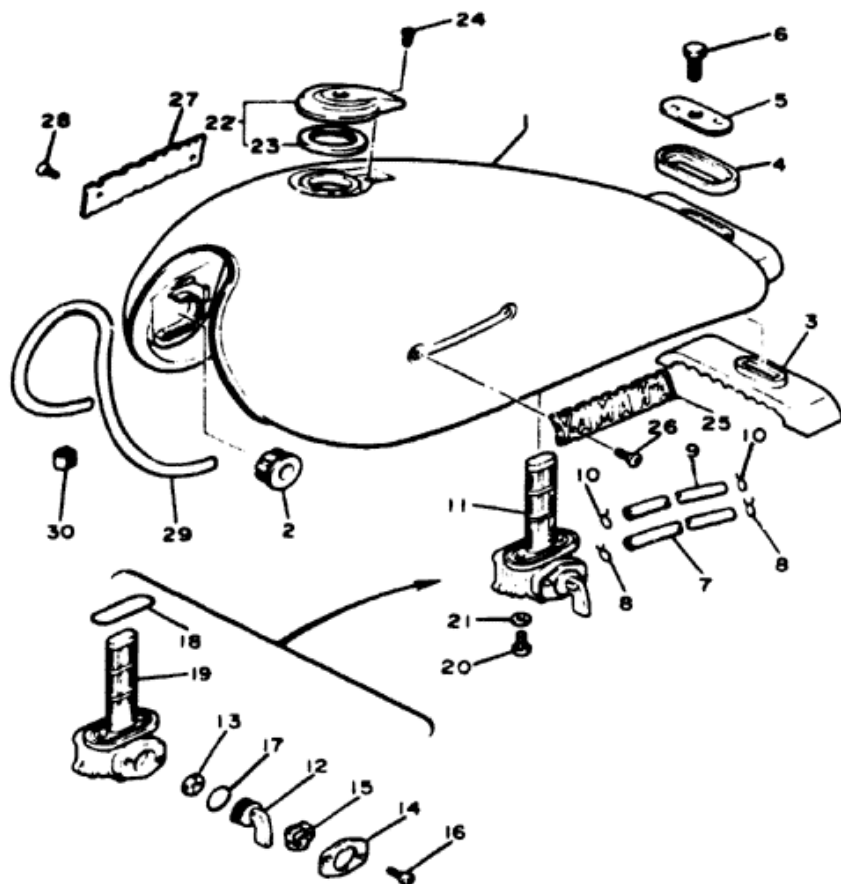
Basic Color(s)	Black Blue (B)	Star Red (R)
Fuel Type	Fuel Tank Capacity	Regular 13 Lit. 3.4 Lit.

FUEL TANK



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

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



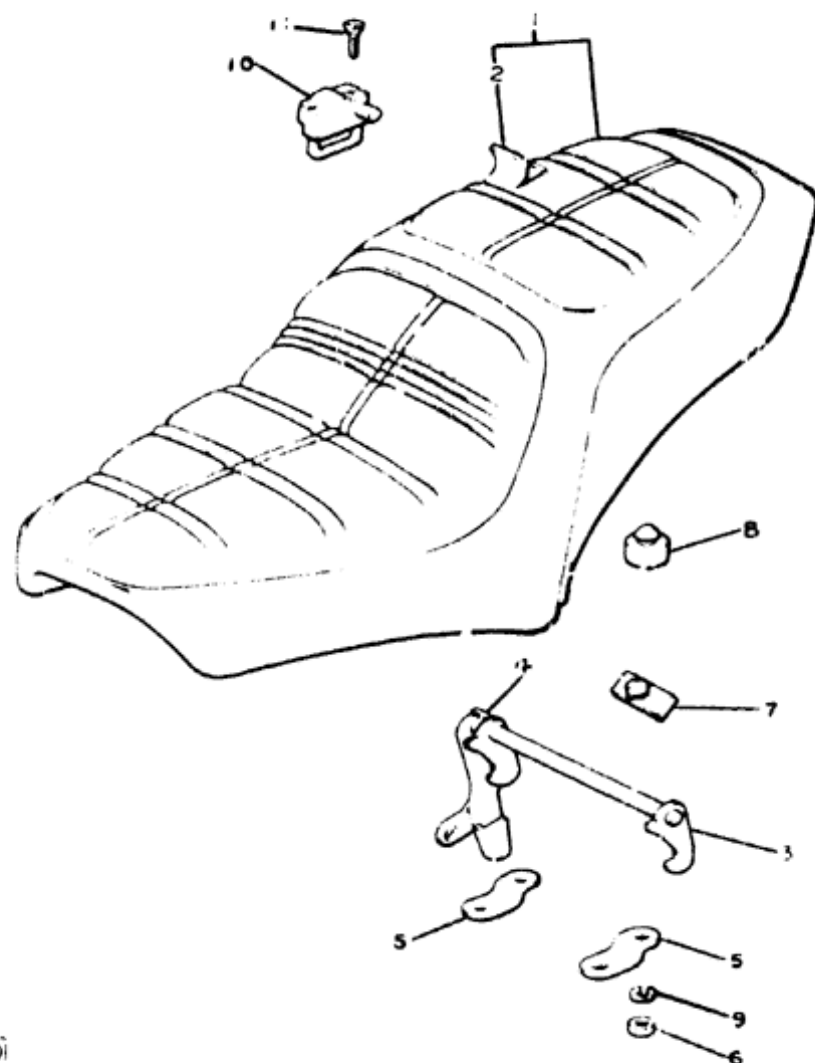
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FUEL TANK

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

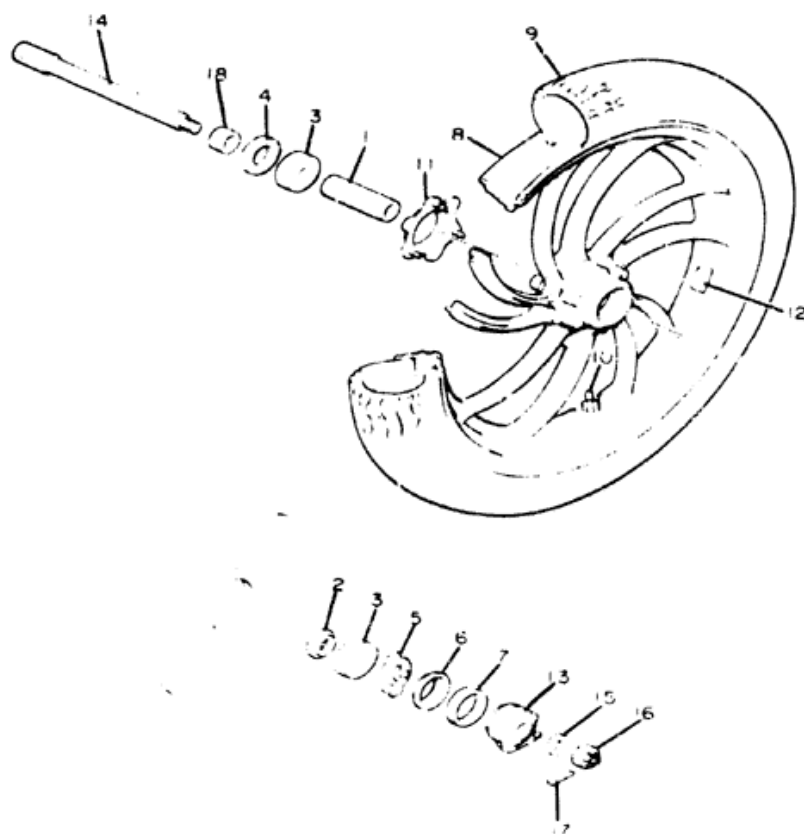
Fuel Type/Total Fuel Tank Capacity/Reserve Cap. Regular / 13 Lit. / 3.4 Lit.

SEAT



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

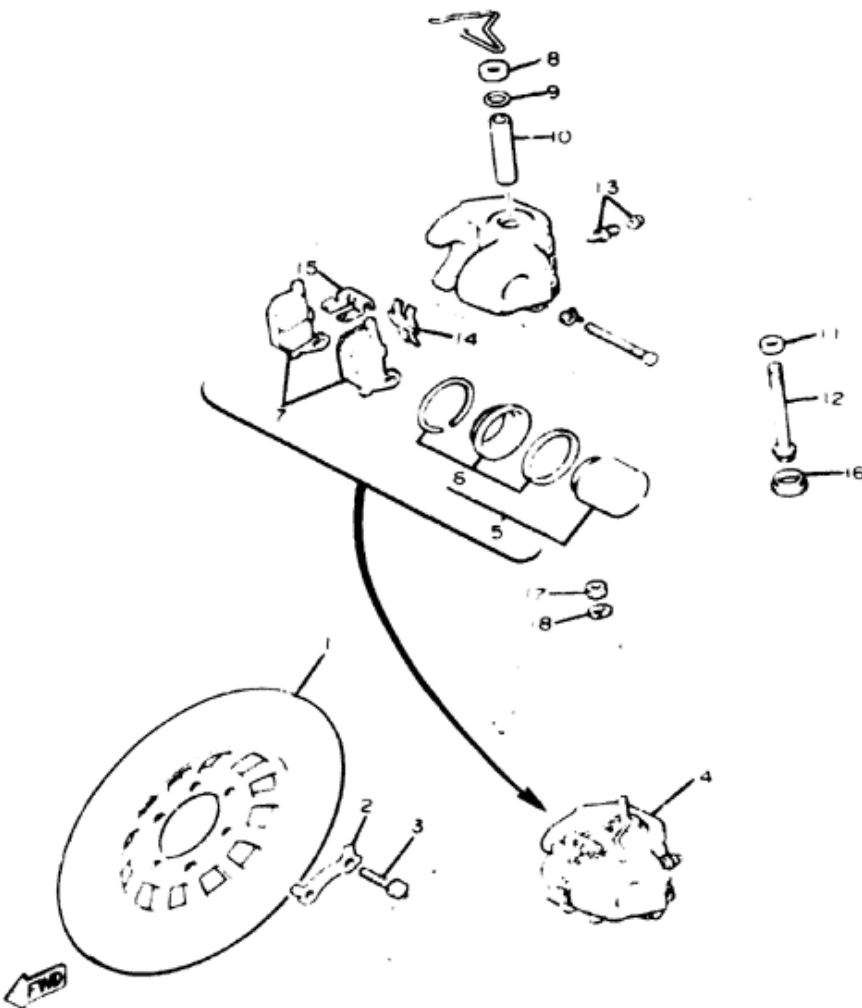
FRONT WHEEL



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

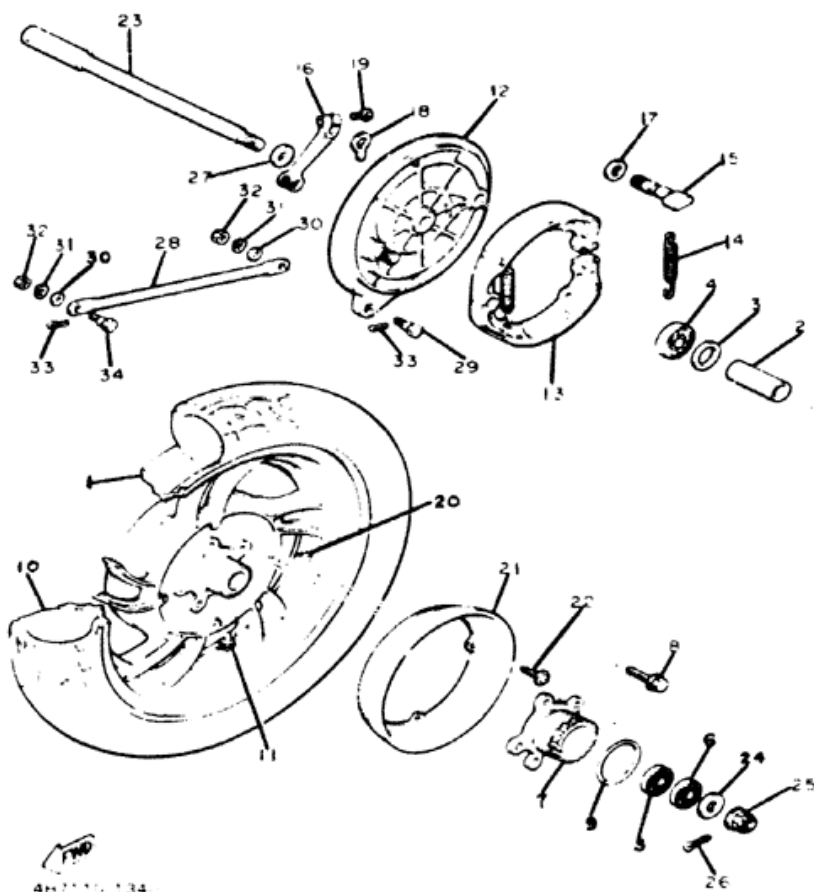
Front Axle Nut	14 x 1.5: 10.7 m·kg
Front Axle Holder Nut	8 x 1.25: 2.0 m·kg
Minimum Brake Lining Thickness	Front: 1.2mm Rear: 2.0mm
Tire Size (Nominal Pressure)	F 3.25H19 (1.8 kg/cm ²) R 130/90-15 67H (2.0 kg/cm ²)

FRONT BRAKE CALIPER



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

Minimum Brake Lining Thickness Front 1.2mm Rear 2.0mm

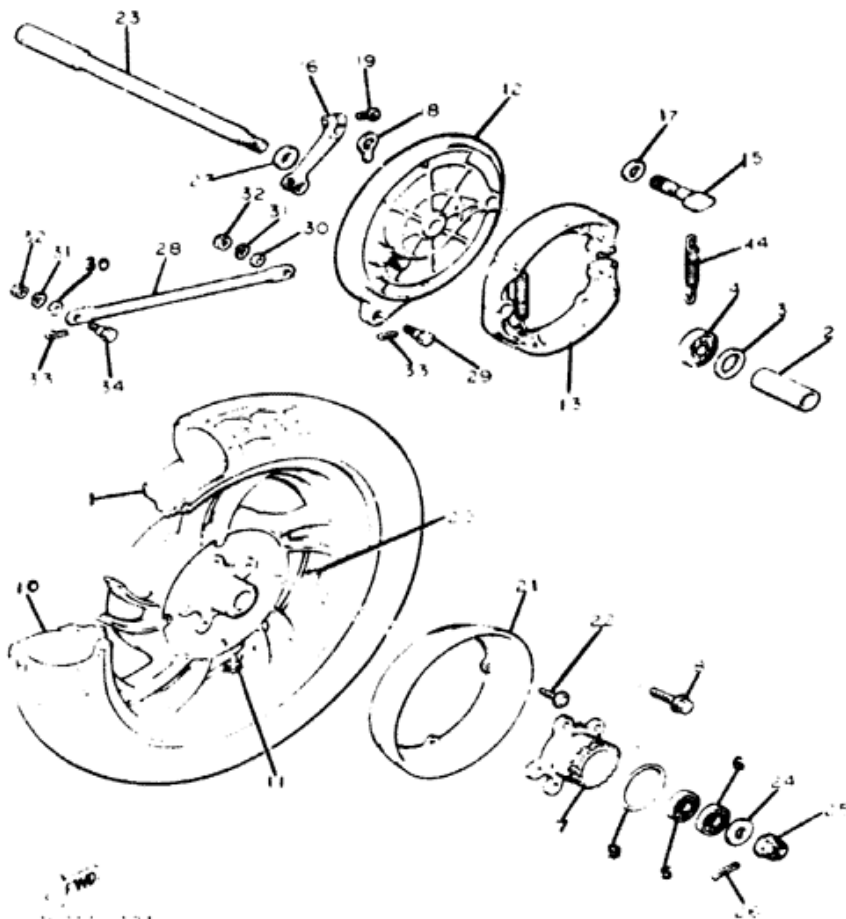


REAR WHEEL

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

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

REAR WHEEL

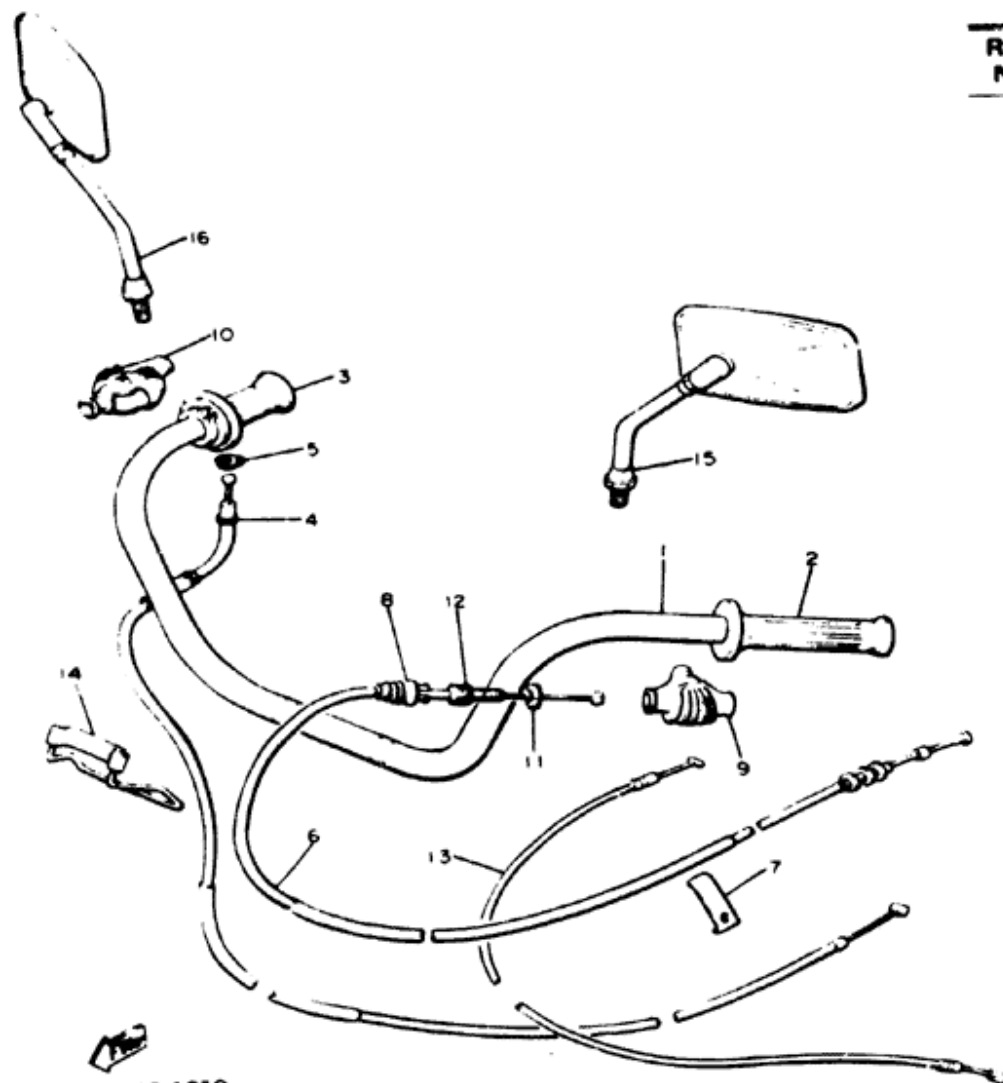


Ref. No.	Part Number	Description	Qty.	Remarks
21	4H7-25327-00-00	COVER, plate.....	1	
22	90159-05018-00	SCR ^W , with washer.....	4	
23	4H7-25381-00-00	AXLE, wheel.....	1	
24	90201-141A3-00	WASHER, plate.....	1	
25	90179-14217-00	NUT.....	1	
26	91401-30030-00	PIN, cotter.....	1	
27	4H7-25377-00-00	COLLAR,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

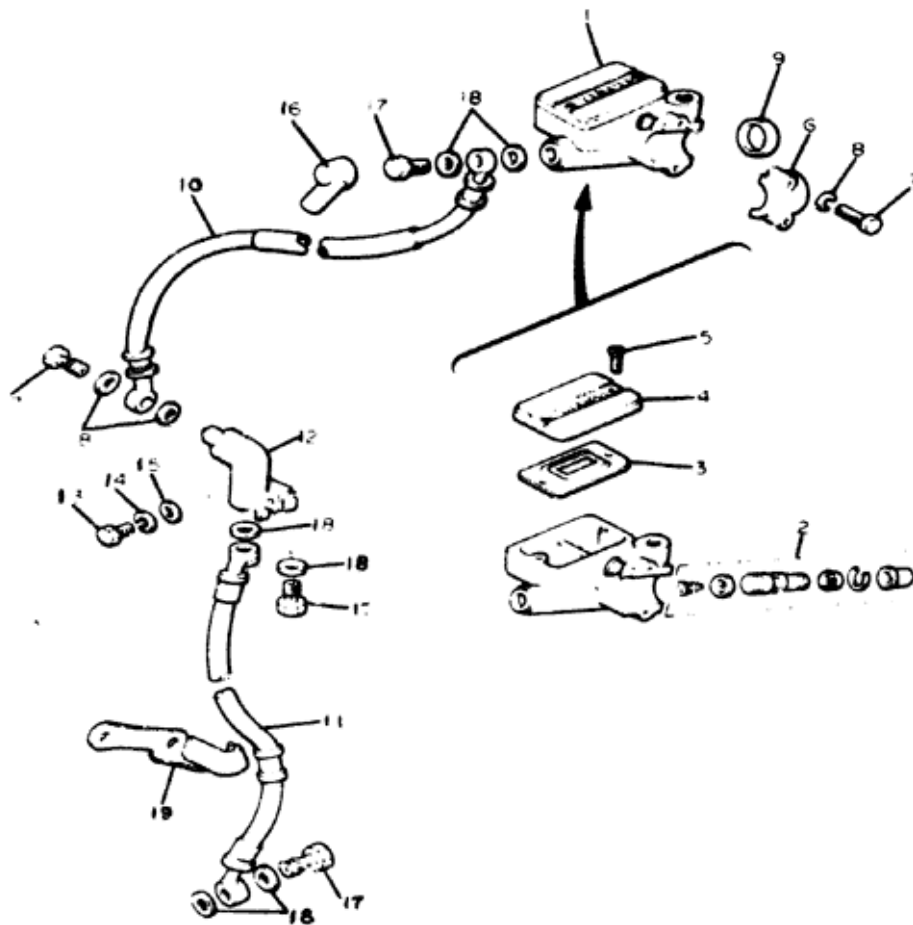
Minimum Brake Lining Thickness	Front: 1.2mm	Rear: 2.0mm
Tire Size (Nominal Pressure)	F 3.25H19 (1.8 kg/cm ²) R 130/90-16 67H (2.0 kg/cm ²)	
Rear Axle Nut	14 x 1.5, 10.7 m·kg	
Rear Axle Pinch Bolt	8 x 1.25, 0.6 m·kg	

HANDLEBAR - CABLE

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



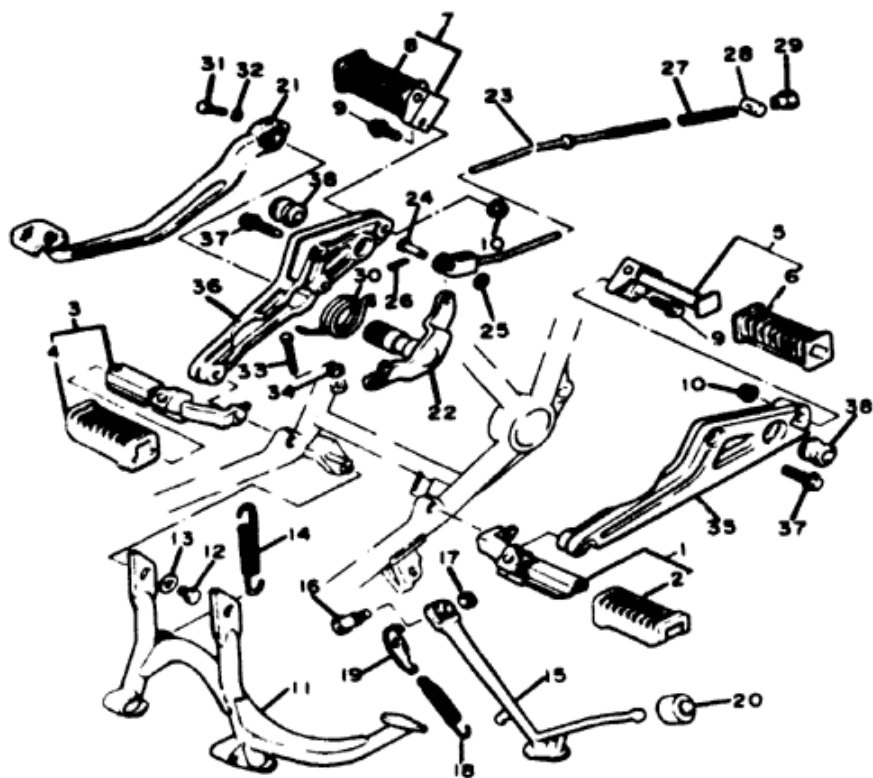
FRONT MASTER CYLINDER



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



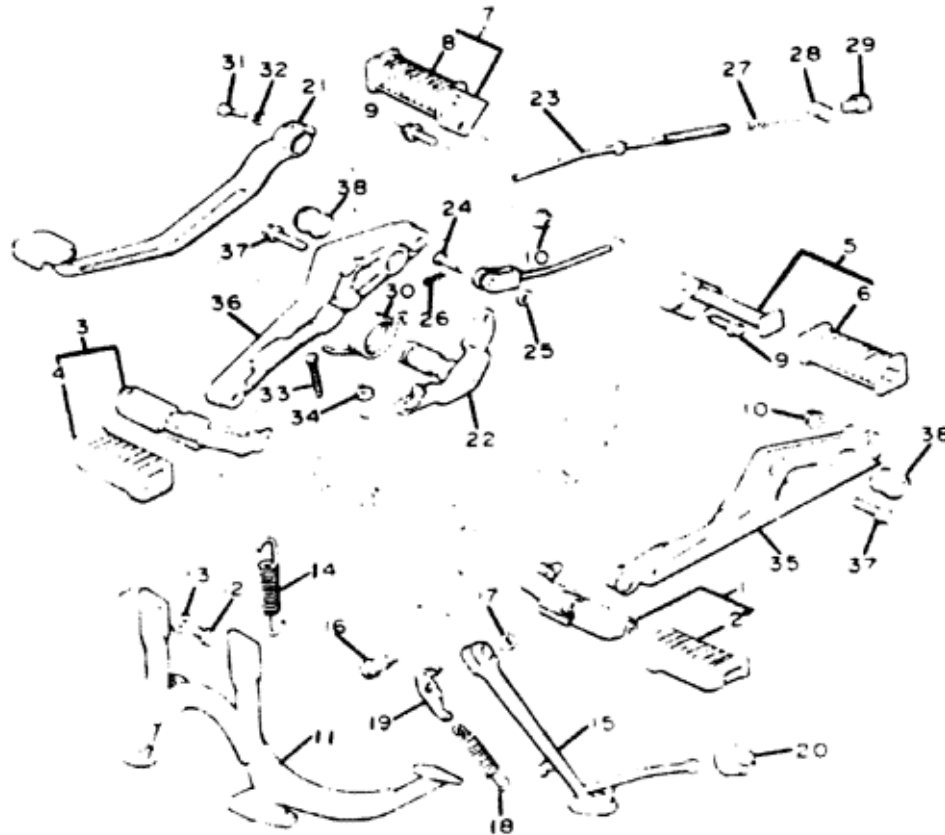
4H7-25850-01-00



STAND - FOOTREST

Ref. No.	Part Number	Description	Qty.	Remarks
1	4W5-27410-00-00	FRONT FOOTREST ASS'Y (L.H)	1	
2	1J7-27413-01-00	. COVER, footrest.	1	
3	4W5-27420-00-00	FRONT FOOTREST ASS'Y (R.H)	1	
4	1J7-27413-01-00	. COVER, footrest.	1	
5	4H7-27430-00-00	REAR FOOTREST ASS'Y 1	1	
6	1J7-27433-00-00	. COVER, rear footrest	1	
7	4H7-27440-00-00	REAR FOOTREST ASS'Y 2	1	
8	1J7-27444-00-00	. COVER, rear footrest	1	
9	95821-10035-00	BOLT, flange.	2	
19	90179-10247-00	NUT.	2	
11	4H7-27111-00-R4	STAND, main	1	Black
12	97302-10016-00	BOLT.	2	
13	90201-10752-00	WASHER, plate	2	
14	90506-35149-00	SPRING, tension	1	
15	4H7-27311-01-R4	STAND, side.	1	Black
16	90109-10473-00	BOLT.	1	
17	95301-10700-00	NUT.	1	
18	90506-29266-00	SPRING, tension	1	
19	5N8-27315-00-00	LINK, side stand	1	
20	1A0-27114-00-00	STOPPER, main stand	1	

STAND • FOOTREST



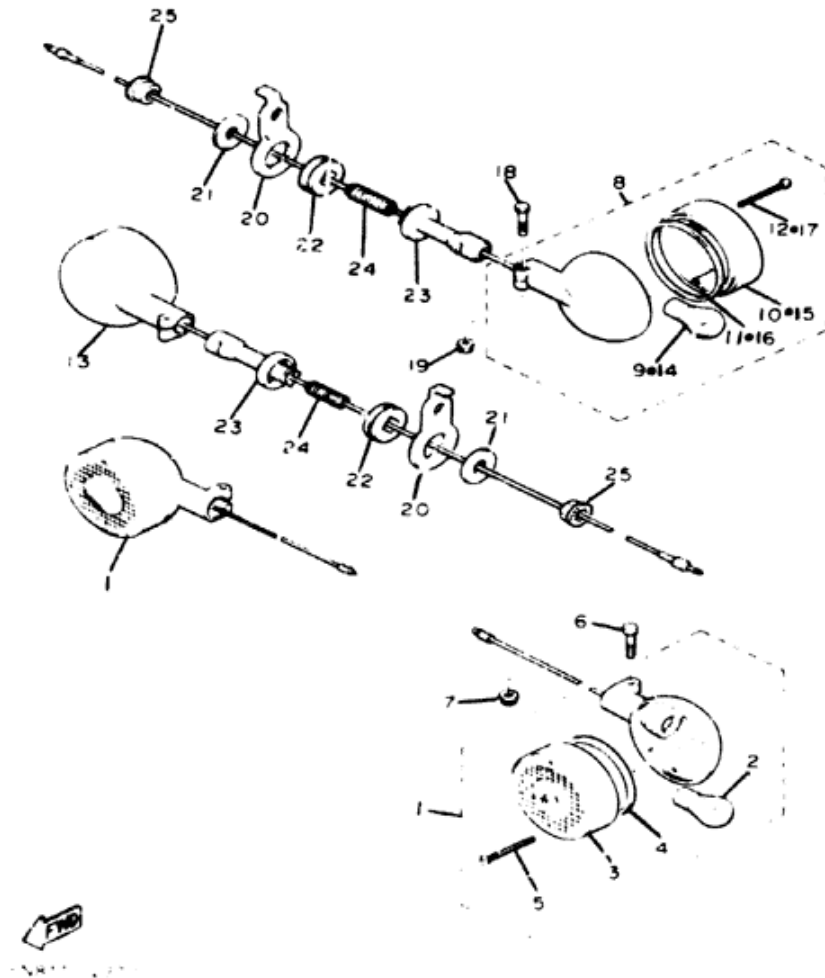
Ref. No.	Part Number	Description	Qty.
21	4H7-27211-00-00	PEDAL, brake.....	1
22	4H7-27212-00-00	SHAFT, brake pedal	1
23	4H7-27231-00-00	ROD, brake.....	1
24	90240-08040-00	PIN, clevis	1
25	92903-06200-00	WASHER, plain (92901-06200)	1
26	91401-20015-00	PIN, cotter	1
27	90501-10245-00	SPRING, compression	1
28	90249-12008-00	PIN	1
29	90179-06176-00	NUT.....	1
30	90508-45446-00	SPRING, torsion	1
31	90109-06468-00	BOLT.....	1
32	92903-06100-00	WASHER, spring (92901-06100)	1
33	90153-06009-00	SCREW, hexagon	1
34	90170-08184-00	NUT.....	1
35	4H7-27442-00-00	BRACKET 2	1
36	4H7-27443-00-00	BRACKET 3	1
37	95821-10030-00	BOLT, flange.....	3
38	3H3-27414-00-00	DAMPER, footrest.....	2



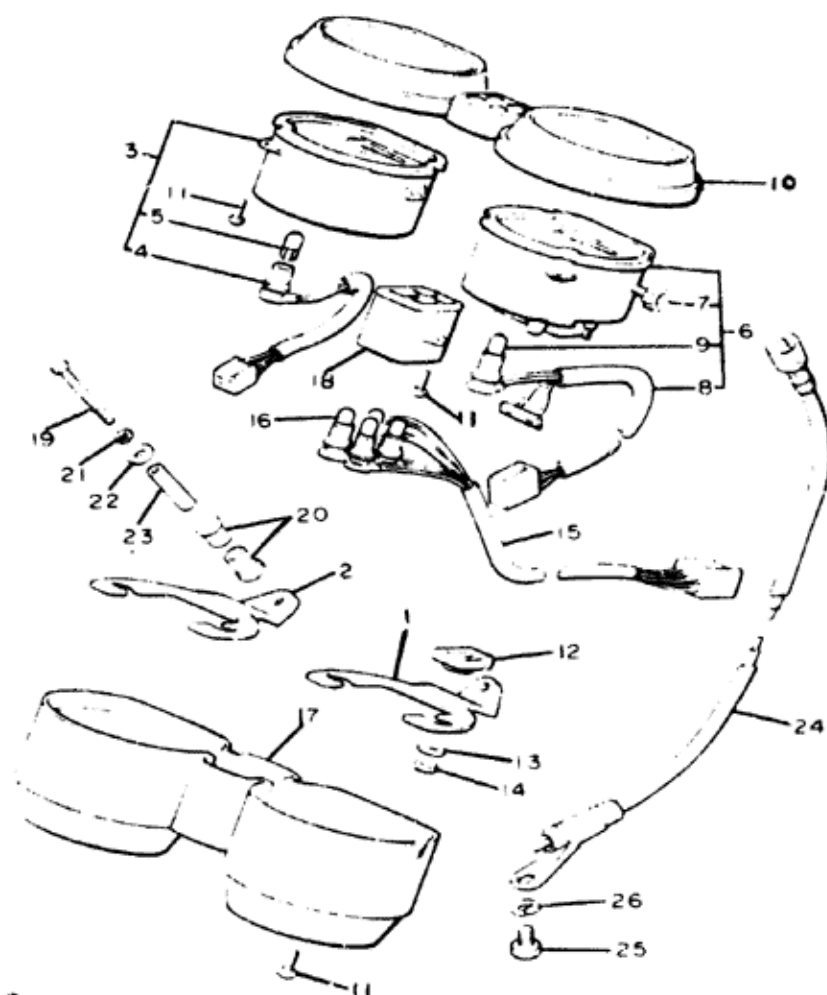
FLASHER LIGHT

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

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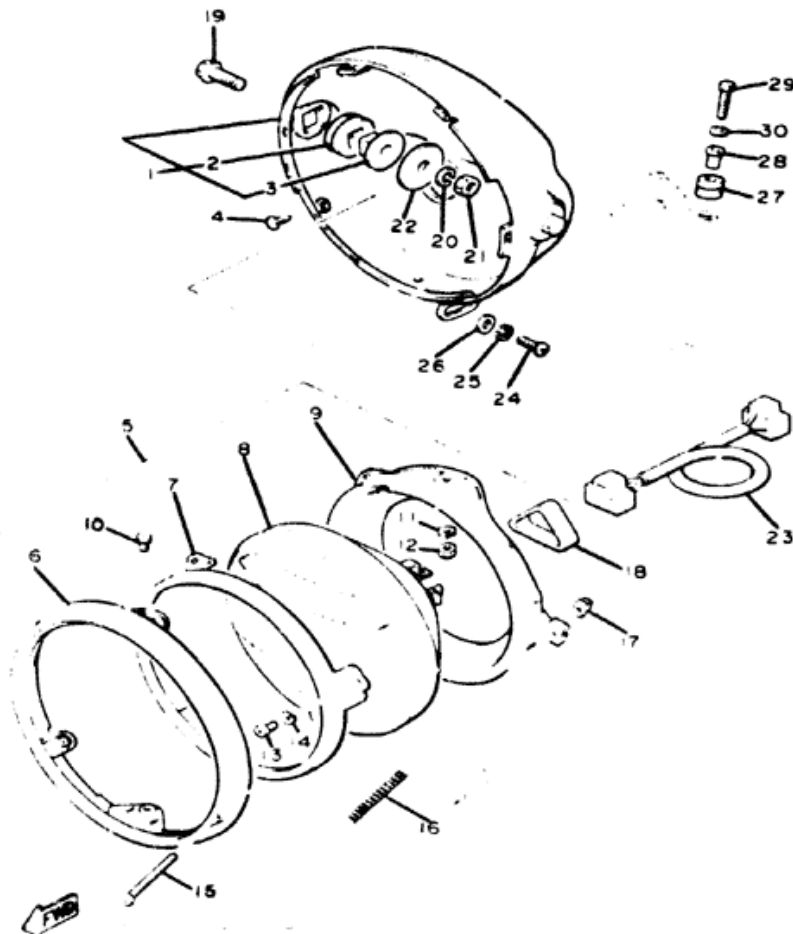
SPEEDOMETER • TACHOMETER



Ref. No.	Part Number	Description	Qty.
1	4H7-83519-00-00	BRACKET, meter	1
2	4H7-83545-00-00	BRACKET, tachometer	1
3	5N8-83540-00-00	TACHOMETER ASS'Y	1
4	5N8-83520-00-00	SOCKET CORD ASS'Y	1
5	4G1-84744-00-00	BULB (12V-3.4W) (4R0-83517-00)	1
6	5K5-83570-A0-00	SPEEDOMETER ASS'Y	1
7	4U8-83578-00-00	KNOB, trip meter	1
8	5K5-83536-00-00	SOCKET, meter	1
9	4G1-84744-00-00	BULB (12V-3.4W) (4R0-83517-00)	1
10	4H7-83555-A0-00	COVER, meter	1
11	4H7-83616-00-00	SCREW, tapping	10
12	4H7-83523-00-00	DAMPER	4
13	1E6-83524-00-00	WASHER, special	4
14	95301-05600-00	NUT	4
15	5K5-83509-00-00	SOCKET CORD ASS'Y	1
16	4G1-84744-00-00	BULB (12V-3.4W) (4R0-83517-00)	4
17	4H7-83579-00-00	COVER, meter 2	1
18	4H7-83587-00-00	BODY, pilot light	1
19	97306-06045-00	BOLT	2
20	584-83541-00-00	DAMPER	4
21	92906-06100-00	WASHER, spring	2
22	90201-06067-00	WASHER, plate	2
23	90387-06249-00	COLLAR	2
24	2G2-83550-00-00	SPEEDOMETER CABLE ASS'Y	1
25	90153-06004-00	SCREW, hexagon	1
26	92903-06100-00	WASHER, spring (92901-06100)	1



HEADLIGHT



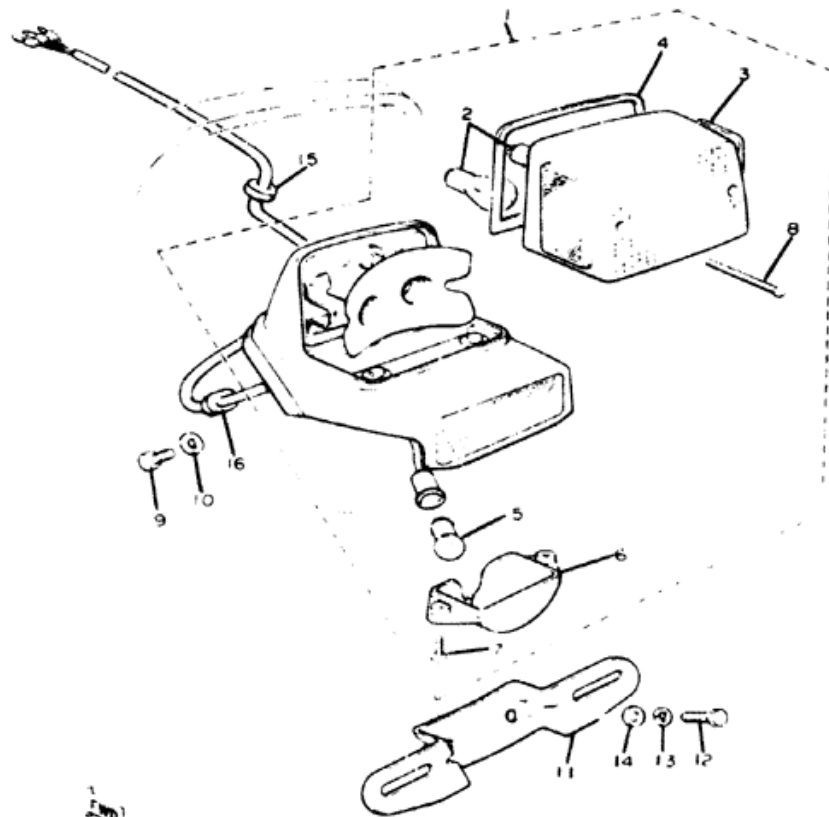
Ref. No.	Part Number	Description	Qty.	Remarks
1	3J6-84330-00-93	BODY ASS'Y	1	Chrome-Plated
2	584-84345-60-00	. DAMPER, headlight.	2	
3	584-84338-60-00	. COLLAR, body fitting.	2	
4	90152-05005-00	SCREW, countersunk	2	
5	2J2-84310-60-00	HEADLIGHT UNIT ASS'Y	1	
6	341-84315-40-00	. RIM, headlight	1	
7	2F9-84395-00-00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

Headlight Taillight Signal Rating

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

This diagram shows an exploded view of a mechanical assembly. The main components are labeled with numbers 1 through 30. The assembly includes a large housing (1), a central shaft or rod (2), and various internal components like a piston or plunger (3), a valve or plug (4), and a spring (5). Other parts include a small cap or cover (6), a pin or clip (7), a washer or spacer (8), a nut or cap nut (9), a bolt or screw (10), a gasket or seal (11), a flange or ring (12), a bracket or support (13), a lever or arm (14), a handle or knob (15), a base or foot (16), a connector or link (17), a pivot or joint (18), a spring (19), a pin or clip (20), a washer or spacer (21), a nut or cap nut (22), a bolt or screw (23), a gasket or seal (24), a flange or ring (25), a bracket or support (26), a lever or arm (27), a handle or knob (28), a base or foot (29), and a connector or link (30).

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

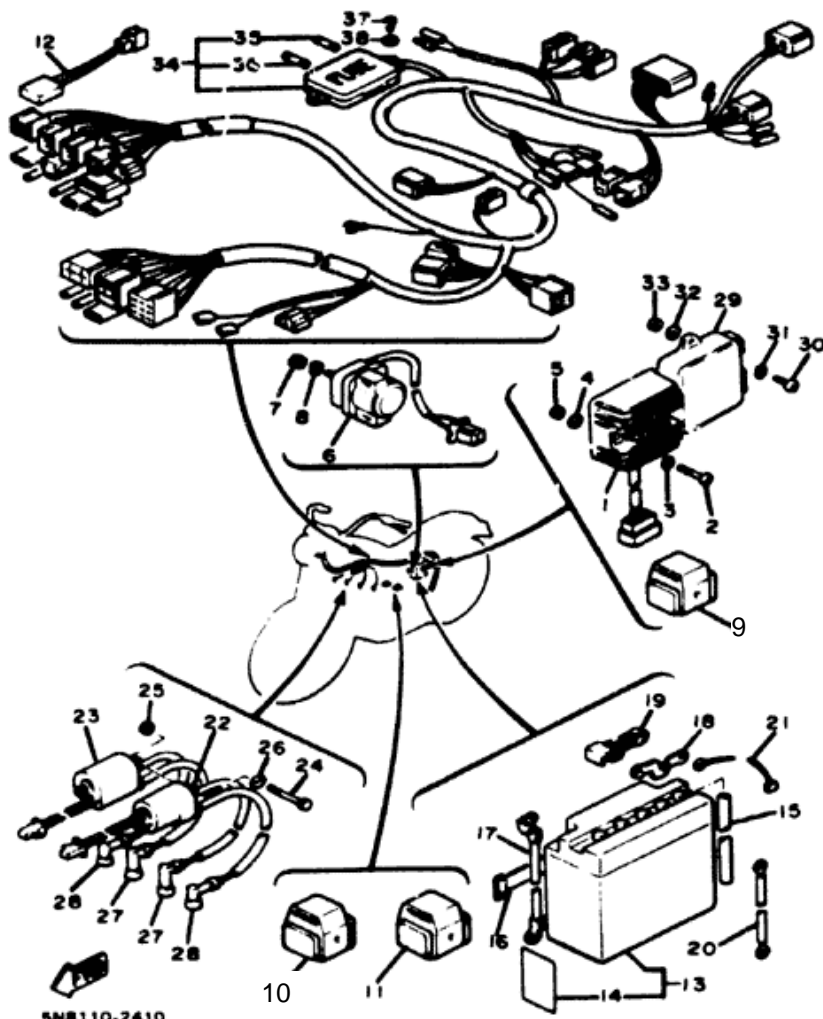


TAILLIGHT

Ref. No.	Part Number	Description	Qty.	Remarks
1	5K5-84700-60-00	TAILLIGHT ASS'Y	1	
2	256-84714-61-00	. BULB (12V-27/8W)	2	
3	5K5-84721-60-00	. LENS, taillight.	1	
4	4H7-84723-00-00	. GASKET, tail lens.	1	
5	4H7-84744-00-00	. BULB (12V-8W)	1	
6	4H7-84743-00-00	. LENS, licence light.	1	
7	98503-04014-00	. SCREW, pan head (98503-04015)	2	
8	5K5-84724-00-00	. SCREW, lens fitting	2	
9	97301-06016-00	BOLT	3	
10	92901-06600-00	WASHER, plate	3	
11	4H7-84751-01-93	BRACKET, licence.	1	Chrome-Plated
12	97301-06016-00	BOLT	2	
13	92903-06100-00	WASHER, spring (92901-06100)	2	
14	92901-06600-00	WASHER, plate	2	
15	90480-16112-00	GROMMET.	1	
16	90480-15061-00	GROMMET.	1	

Headlight	Taillight	Signal Rating	12V50-10W	12V27-8W	12V2.7W
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ELECTRICAL - 1



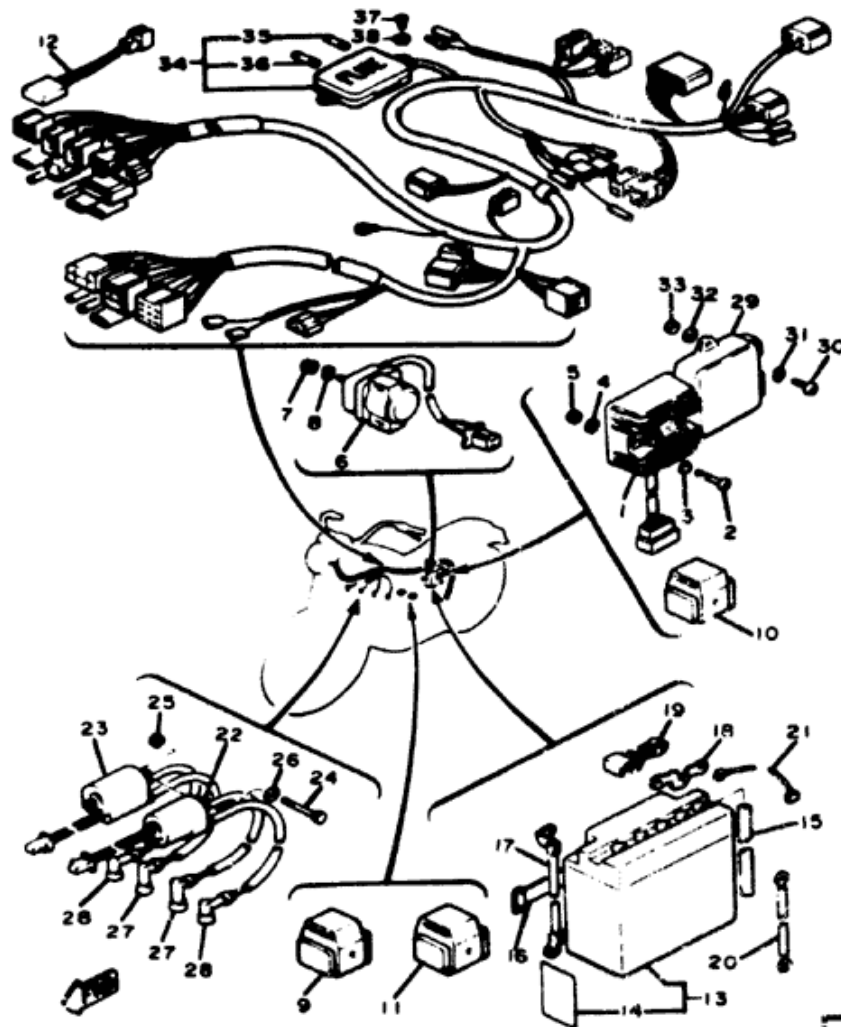
Ref. No.	Part Number	Description	Qty.	Remarks
1	4H7-81960-50-00	RECTIFIER & REGULATOR ASS'Y	1	
2	92501-06030-00	SCREW, pan head (92502-06030)	2	
3	92903-06100-00	WASHER, spring	2	
4	92901-06600-00	WASHER (92902-06600)	2	
5	95302-06700-00	NUT (95302-06700)	2	
6	3H5-81940-00-00	STARTER SWITCH ASS'Y	1	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

*Indicates new part numbers activated from March, 1982.

Battery: Model / Specific Gravity / Charge Rate	12N12A-4A-1 (12V12AH) / 1.28 / 1.2A
Maximum Output	14V19A @ 5000 rpm
Ignition Coil Test Gap: Primary Ω / Secondary Ω	6mm / 2.5 Ω \pm 10% / 11K Ω \pm 20%
Pulser Coil or Pickup Coil Color Code / Ω	Org ~ Blk, Gry ~ Blk / 700 Ω \pm 20%
Source Coil Color Code / Ω	\emptyset

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

ELECTRICAL - 1

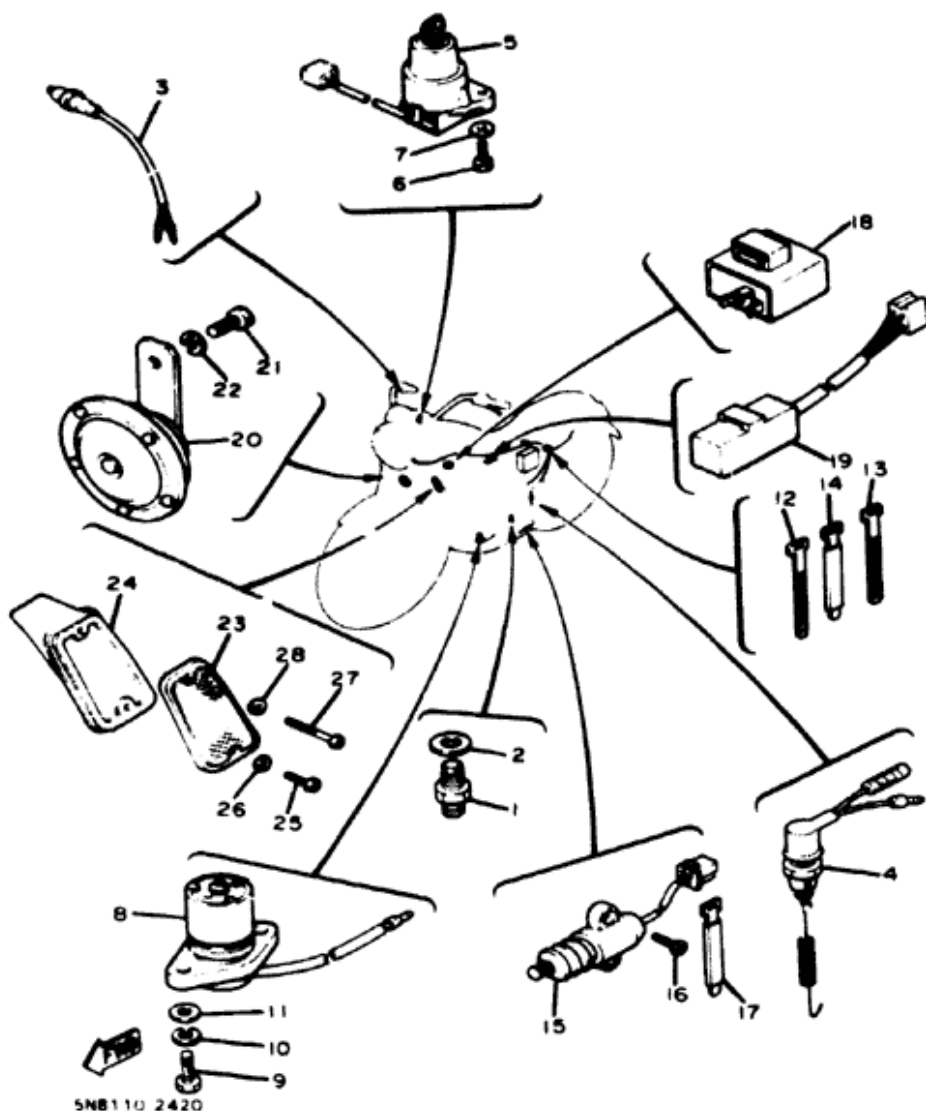


Ref. No.	Part Number	Description	Qty.	Remarks
22	4H7-82310-60-00	IGNITION COIL ASS'Y	1	
23	4H7-82320-60-00	IGNITION COIL ASS'Y	1	
24	97301-06080-00	BOLT	2	
25	95302-06600-00	NUT	2	
26	92903-06200-00	WASHER, plain	2	
27	1J7-82370-00-00	PLUG CAP ASS'Y	2	
28	256-82370-00-00	PLUG CAP ASS'Y	2	
29	5G2-82305-10-00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

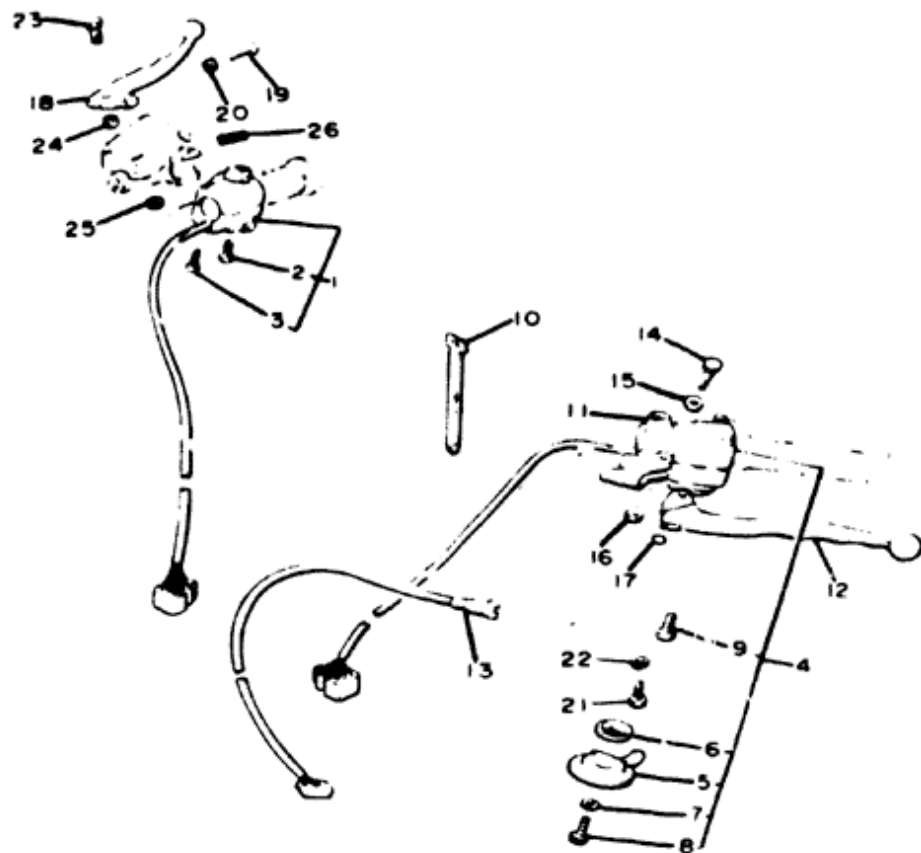
Battery: Model / Specific Gravity / Charge Rate	12N12A-4A-1 (12V/12AH) / 1.28 / 1.2A
Maximum Output	14V/19A @ 8000 rpm
Ignition Coil Test Gap / Primary Ω / Secondary Ω	6mm / 2.50 \pm 10% / 11K Ω \pm 20%
Pulser Coil or Pickup Coil Color Code / Ω	Org ~ Blk, Gry ~ Blk / 7000 \pm 20%
Source Coil Color Code / Ω	#

Lighting System	
Headlight / Taillight / Signal Rating	12V/50-60W / 12V/27-30W / 12V/27W

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



SNB110 2420



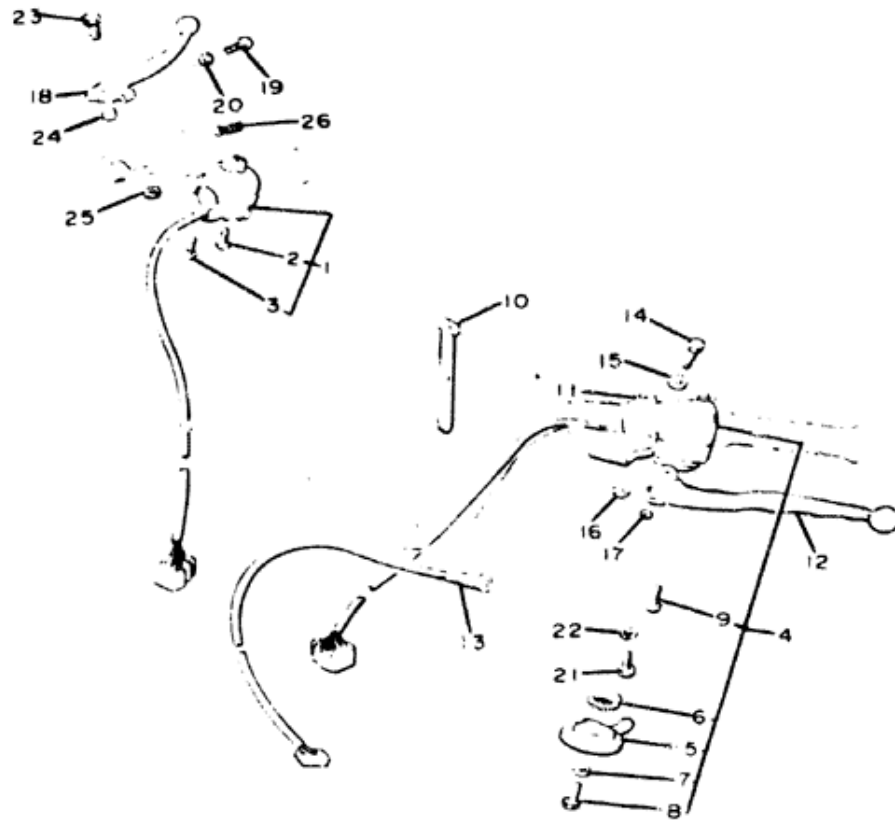
HANDLE SWITCH - LEVER

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



4H7110-1440

HANDLE SWITCH - LEVER



Ref. No.	Part Number	Description	Qty.
1	2H7-83975-01-00	SWITCH, handle 2	1
2	98506-05030-00	SCREW, pan head	1
3	98506-05040-00	SCREW, pan head	1
4	4H7-83973-00-00	SWITCH, handle 3	1
5	4H7-83941-00-00	LEVER, starter	1
6	90209-10131-00	WASHER	1
7	92903-06200-00	WASHER, plain (92901-06200)	1
8	97323-06008-00	BOLT	1
9	98506-05030-00	SCREW, pan head	2
10	437-83936-00-00	BAND, switch cord	4
11	4H7-82911-00-00	HOLDER, lever 1	1
12	2H0-83912-20-00	LEVER 1 (2H7-83912-00)	1
13	3Y6-82917-00-00	SWITCH	1
14	2H7-83945-00-00	BOLT, lever	1
15	90201-08083-00	WASHER, plate	1
16	95601-06100-00	NUT, u	1
17	93210-11368-00	O-RING	1
18	2H7-83922-00-00	LEVER 2	1
19	90149-06131-00	SCREW	1
20	90170-06010-00	NUT	1
21	97306-06022-00	BOLT	1
22	92906-06100-00	WASHER, spring	1
23	90109-06465-00	BOLT	1
24	90386-08094-00	BUSH	1
25	956C1-06100-00	NUT, u	1
26	90501-10510-00	SPRING, compression	1



4H7110 1440

XJ650J

1982 SERVICE DATA

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

SERVICE DATA

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

Ø = Does Not Apply To This Model

NA = Information Not Available

*Available From Yamaha Parts Distributors Inc.

*For Diagnostic Use Only

SERVICE LITERATURE

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

SERVICE DATA

FILE MOTORCYCLE — 650 SECTION

DATE 11/5/82

BUL M82-044

XJ650K 1983 SERVICE DATA

MODEL - BUL ID. NUMBER	XJ650K	5N8
Initial Engine Number / Frame Number	5N8-050101 / JYA5N800()DA050101	
Fuel Type/Total Fuel Tank Capacity/Reserve Cap.	Regular / 13 Lit. / 3.4 Lit.	

ENGINE TYPE	4-Stroke, DOHC, Parallel Four
Bore/Stroke/Number Cylinders/Displacement	63mm / 52.4mm / 4 / 653cc
Compression Ratio/Compression Pressure Min~Max	9.2:1 / NA
Piston Skirt Clearance New / Max	0.030 ~ 0.050mm / 0.10mm
Ring End Gap Top / 2nd / 3rd	0.15 ~ 0.35mm / 0.15 ~ 0.35mm / 0.3 ~ 0.9mm
Valve Clearance (Cold) Intake / Exhaust	0.11 ~ 0.15mm / 0.16 ~ 0.20mm
Oiling System	Wet Sump
Capacity: Dry	3500cc
Oil and Filter Change	2650cc
Oil Change Only	2350cc
Lubricant: Temp. Above 5°C (40°F)	Yamalube 4* or SAE 20W40 SE or SF
Temp. Below 15°C (60°F)	SAE 10W30 SE or SF
Cooling System / Capacity	Air / ∅
Coolant Type / Mixing Ratio	∅ / ∅

OUTPUT - Min. Stroke / Cold / 6000	∅
Minimum Output @ 200 Cycles	∅
Maximum Output @ 200 Cycles	∅

CARBURETOR - Manufacturer / Type / I.D. Number	Hitachi / HSC32 / 5N8-00
Main Jet / Pilot Jet	110 / 40
Needle Jet / Jet Needle-Clip Position	3.2 / Y-10 Fixed
Slide Cutaway	∅
Float Level / Fuel Level	NA / 3 ± 1mm
Idle rpm	1050 rpm
Max CO* / Max HC* / Set CO (Using YICS Tool)	5% / 800 ppm / 3% (All Settings @ Idle)

SUSPENSION	
Front: Inner Tube Diameter	∅
Oil Type / Level / Qty	10 Wt. Fork Oil* / ∅ / 262cc
Gas Pressure Min ~ Max / Standard	∅
Spring Length Std	606mm
Rear: Gas Pressure Min ~ Max / Standard	∅
Minimum Brake Lining Thickness Front / Rear	1.2mm / 2.0mm
Tire Size (Nominal Pressure) Front / Rear	3.25H19 (1.8 kg/cm²) / 130/90H16 (2.0 kg/cm²)

TRANSMISSION - Oil Type / Qty Change / Qty Dry	See ENGINE Above
Secondary Drive Type / Teeth / Chain	Shaft / 49-36 x 19-18 x 32-11 / ∅
Middle Gear Case Capacity	∅
Final Gear Case Capacity	200cc
Gear Case Lubricant	SAE 80W90 Hypoid Gear Oil GL-4

FILE MOTORCYCLE — 650 SECTION

DATE 11/5/82

BUL M82-044

CHARGING SYSTEM	AC Generator / 3-Phase / Full Wave
Battery: Model / Specific Gravity / Charge Rate	12N12A-4A-1 (12V12AH) / 1.28 / 1.2A
Maximum Output	14V19A @ 5000 rpm
Field Coil Color Code / Ω	Grn ~ Brn / 4.00 ± 10%
Stator Coil Color Code / Ω	Whi ~ Whi / 0.46Ω ± 10%
Charge Coil Color Code / Ω	∅

IGNITION SYSTEM	Transistor Controlled Ignition
Ignition Timing	7° @ 1050 rpm Full Adv: 37.5 ± 2° @ 4100 rpm
Spark Plug Type	NGK BP7ES or ND W22EP-U
Spark Plug Gap / Torque / Cap Ω	0.7 ~ 0.8mm / 2.0 m·kg / 1&4: 5KΩ 2&3: 10KΩ
Point Gap / Condenser Capacitance	∅
Ignition Coil Test Gap / Primary Ω / Secondary Ω	6mm / 2.5Ω ± 10% / 11KΩ ± 20%
Pulser Coil or Pickup Coil Color Code / Ω	Org ~ Blk, Gry ~ Blk / 700Ω ± 20%
Source Coil Color Code / Ω	∅

LIGHTING SYSTEM	
Headlight / Taillight / Signal Rating	12V50-40W / 12V27-8W / 12V27W
Lighting Coil Color Code / Ω	∅

TORQUE VALUES	
Front Axle Nut	M14: 10.7 m·kg
Front Axle Holder Nut	M8: 2.0 m·kg
Rear Axle Nut	M14: 10.7 m·kg
Rear Axle Pinch Bolt	M8: 0.6 m·kg
Clutch Nut	M20: 7.2 m·kg
Drain Plug	M14: 4.3 m·kg
Flywheel Nut	∅
Cylinder Head Cover	M6: 1.0 m·kg
Cylinder Head:	M10: 3.2 m·kg
Engine Mounting Bolts: Front Upper	M10: 4.2 m·kg
Front Lower	M10: 4.2 m·kg
Rear	M12: 7.0 m·kg

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

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SERVICE LITERATURE

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