



YAMAHA

PARTS CATALOGUE

XJ1100J (10M)

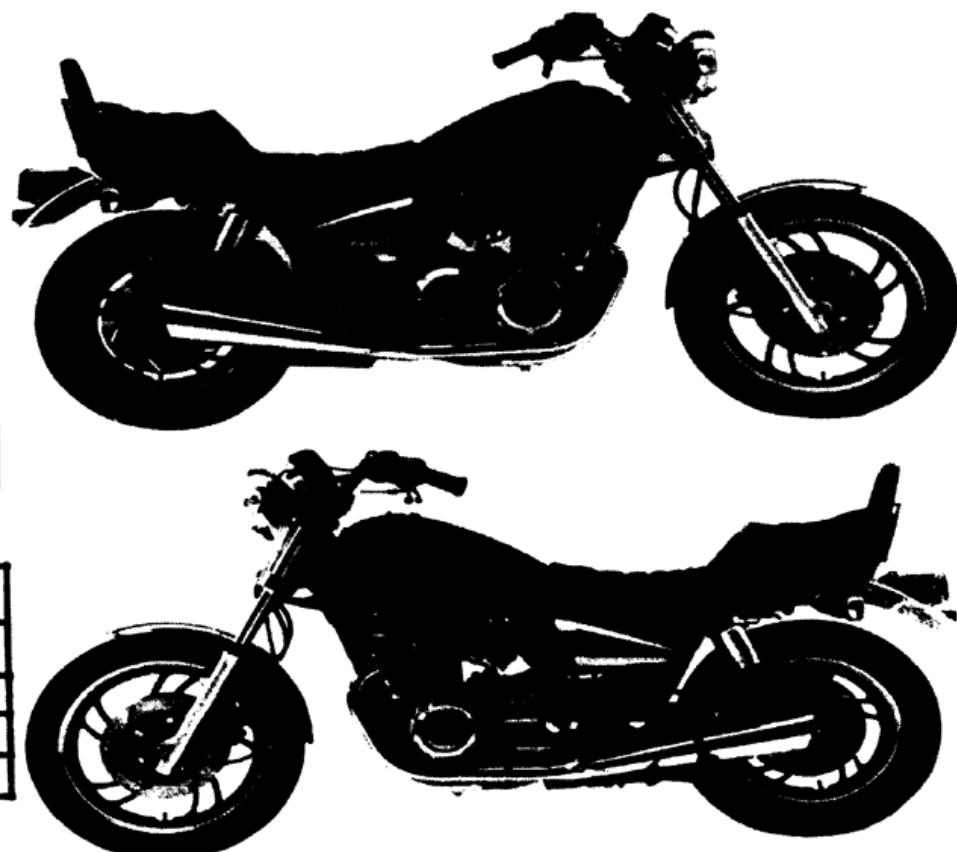
MODEL YEAR 1982

(A) Frame Serial No.	10M-000101 and following
(B) Engine Serial No.	10M-000101 and following

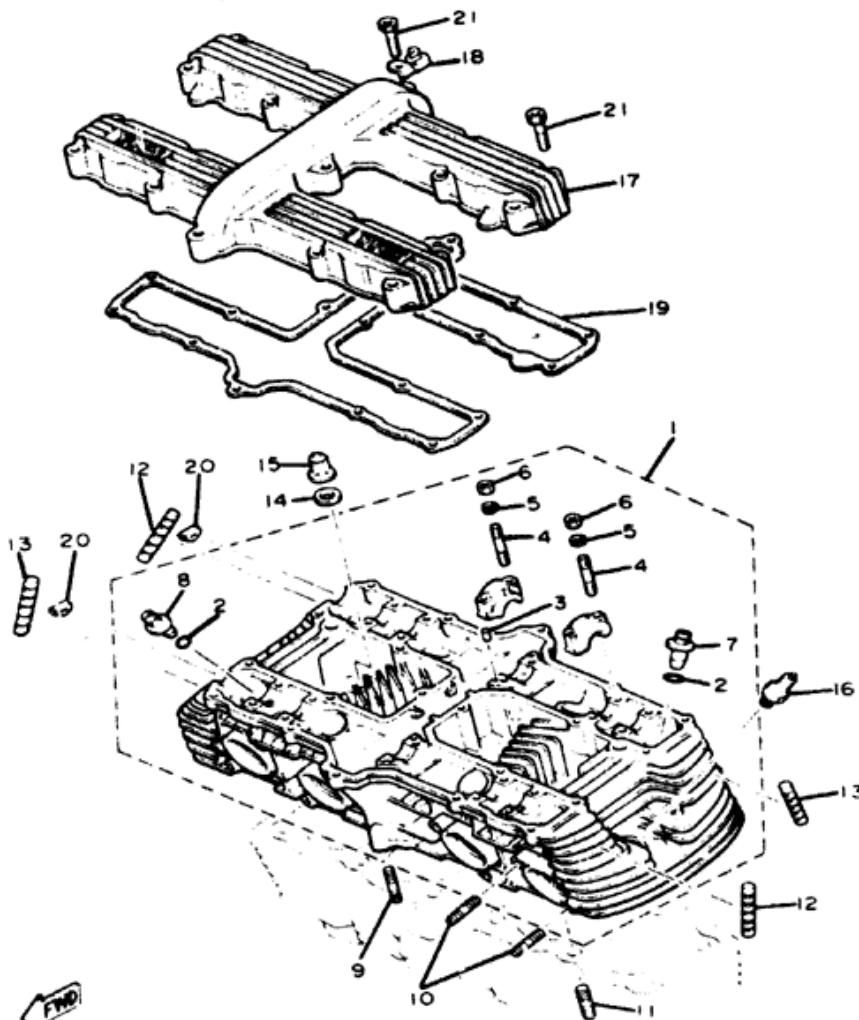
XJ1100J VIN #: JYA-10M00-()CA-000101

PUBLICATION	PART NUMBER	REMARKS
OWNER'S MANUAL	LIT-11626-02-78	
SERVICE MANUAL	LIT-11616-02-78	
ASSEMBLY MANUAL	LIT-11666-02-78	
CONSUMER MANUAL	LIT-11656-02-78	

MODEL - 1982 LD. NUMBER	XJ1100J-S	XJ1100J-R	10M
Initial Engine Number / Frame Number	10M-000101 / 10M-000101		
Basic Color(s)	New Yamaha Black (S)	New Ruby Red (R)	
Fuel Type / Fuel Tank Capacity / Reserve Capacity	Regular / 19 Ltr. / 4 Ltr.		
Dry Vehicle Weight	257 kg		
Engines Type	4-Stroke, DOHC, Transverse Four		
Bore / Stroke / Number Cylinders / Displacement (cc)	71.5mm / 68.8mm / 4 / 1101cc		
Compression Ratio / Compression Pressure	9.0:1 / 10.0 kg/cm ²		



CYLINDER HEAD

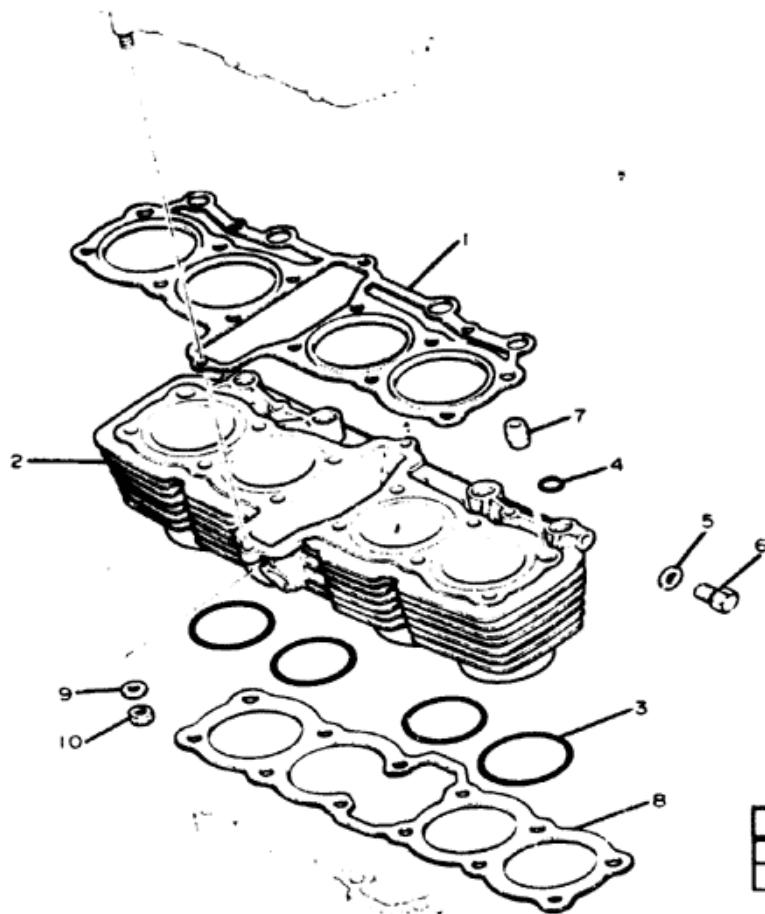


Ref. No.	Part Number	Description	Qty.	Remarks
1	10M-11110-00-00	CYLINDER HEAD ASS'Y	1	
2	93210-11313-00	. O-RING	8	
3	93603-09004-00	. PIN, dowel	4	
4	90116-06228-00	. BOLT, stud	20	
5	92901-06600-00	. WASHER, plate	20	
6	85311-06600-00	. NUT	20	
7	1J7-11133-10-00	. GUIDE, intake valve (1st O/S)	4	
8	1J7-11134-10-00	. GUIDE, exhaust valve (1st O/S)	4	
9	90116-08161-00	BOLT, stud	2	
10	95621-08615-00	BOLT, stud	8	
11	95621-08630-00	BOLT, stud	2	
12	2H7-11161-00-00	ABSORBER 1.....	2	
13	2H7-11162-00-00	ABSORBER 2.....	2	
14	90201-11597-00	WASHER, plate.....	12	
15	90179-10277-00	NUT.....	12	
16	NGK-BP6ES-00-00	PLUG, spark (94701-00116)	1	
17	10M-11191-00-00	COVER, cylinder head 1.....	1	
18	90485-10129-00	CLAMP	1	
19	2H7-11193-00-00	GASKET, head cover 1.....	1	
20	2G2-11138-00-00	PLUG.....	2	
21	91316-06035-00	BOLT	20	

Spark Plug Type	NGK BP6ES or ND W20EP-U
Spark Plug Gap / Torque / Cap Q	0.7 ~ 0.8mm / 2.0 m-kg / 5kΩ ± 10%
Cylinder Head Cover	6 x 1.0: 1.0 m-kg
Cylinder Head:	10 x 1.25: 3.5 m-kg (Use Oil) Nut 8 x 1.25: 2.0 m-kg Bolt 6 x 1.0: 1.0 m-kg

11G171 2010

CYLINDER

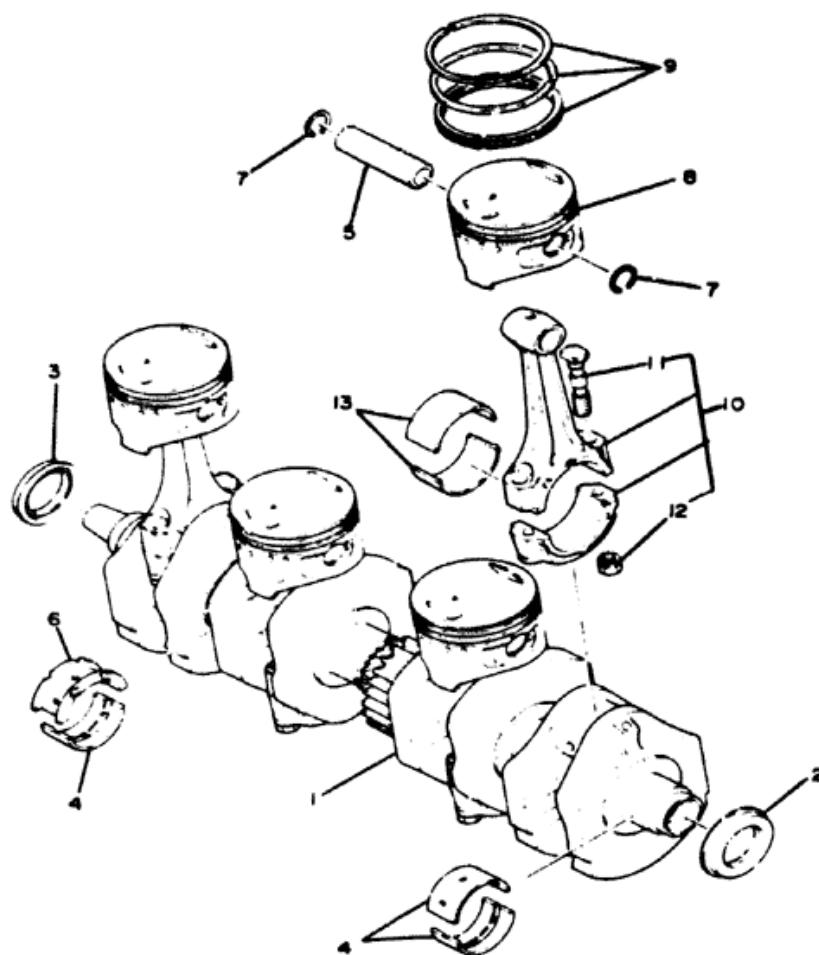


Ref. No.	Part Number	Description	Qty.	Remarks
1	10M-11181-00-00	GASKET, cylinder head 1.....	1	
2	10M-11310-00-00	CYLINDER	1	
3	93210-77363-00	O-RING	4	
4	93210-09443-00	O-RING	4	
5	90201-12790-00	WASHER, plate	1	
6	90340-12065-00	PLUG, straight screw	1	
7	91830-24016-00	PIN, dowel	2	
8	2H7-11351-01-00	GASKET, cylinder	1	
9	90201-08382-00	WASHER, plate	2	
10	95316-08600-00	NUT	2	

Initial Engine Number / Frame Number	10M-000101 / 10M-000101
Bore/Stroke/Number Cylinders/Displacement (cc)	71.5mm / 68.6mm / 4 / 1101cc
Compression Ratio/Compression Pressure	9.0:1 / 10.0 kg/cm ²

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CRANKSHAFT - PISTON



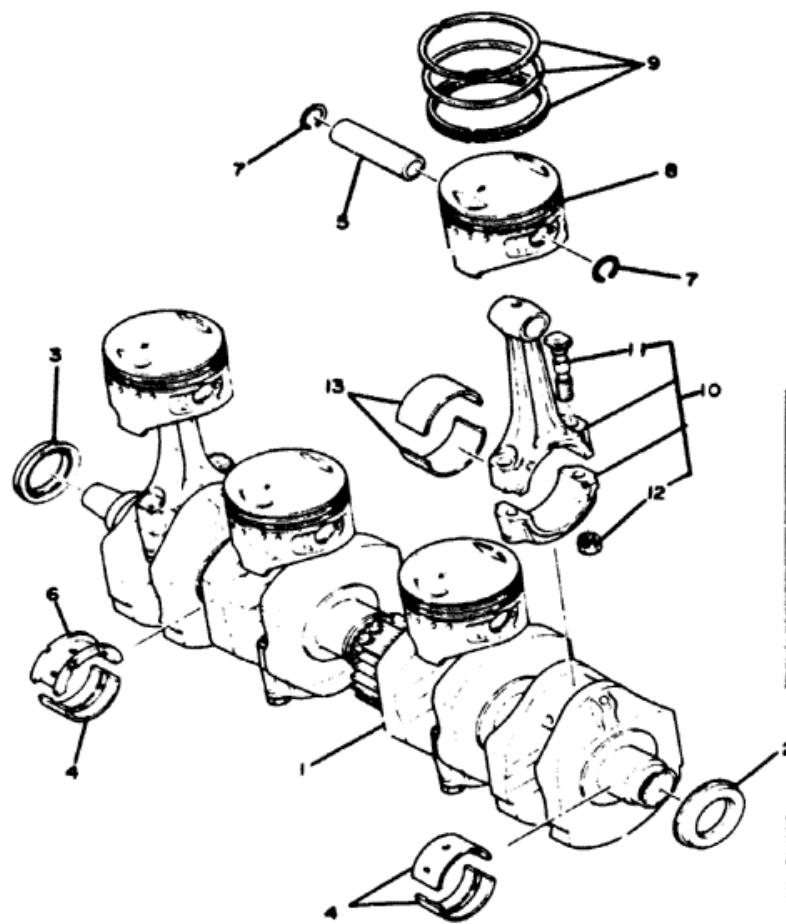
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Ref. No.	Part Number	Description	Qty.	Remarks
1	2H7-11411-02-00	CRANKSHAFT.....	1	
2	93101-32087-00	OIL SEAL	1	
3	4H7-15389-10-00	SEAL, push rod	1	
4	2H7-11416-01-00	PLANE BEARING, crankshaft 1	9	U.R. Blue
	2H7-11416-11-00	PLANE BEARING, crankshaft 1	9	U.R. Black
	2H7-11416-21-00	PLANE BEARING, crankshaft 1	9	U.R. Brown
	2H7-11416-31-00	PLANE BEARING, crankshaft 1	9	U.R. Green
	2H7-11416-41-00	PLANE BEARING, crankshaft 1	9	U.R. Yellow
5	2H7-11633-01-00	PIN, piston.....	4	
6	2H7-11417-01-00	PLANE BEARING, crankshaft 2	1	U.R. Blue
	2H7-11417-11-00	PLANE BEARING, crankshaft 2	1	U.R. Black
	2H7-11417-21-00	PLANE BEARING, crankshaft 2	1	U.R. Brown
	2H7-11417-31-00	PLANE BEARING, crankshaft 2	1	U.R. Green
	2H7-11417-41-00	PLANE BEARING, crankshaft 2	1	U.R. Yellow
7	90488-12089-00	CLIP.....	8	
8	3H5-11631-00-46	PISTON (STD)	4	
	3H5-11635-00-00	PITON (1st O/S 0.25MM)	4	Alternate Part
	3H5-11636-00-00	PISTON (2nd O/S 0.50MM)	4	Alternate Part
	3H5-11637-00-00	PISTON (3rd O/S 0.75MM).....	4	Alternate Part
	3H5-11638-00-00	PISTON (4th O/S 1.00MM).....	4	Alternate Part
9	3J2-11610-00-00	PISTON RING SET (STD)	4	
	3J2-11610-10-00	PISTON RING SET (1st O/S) ...	4	Alternate Part
	3J2-11610-20-00	PISTON RING SET (2nd O/S)...	4	Alternate Part
	3J2-11610-30-00	PISTON RING SET (3rd O/S) ...	4	Alternate Part
	3J2-11610-40-00	PISTON RING SET (4th O/S) ...	4	Alternate Part
*10	1J7-Y1165-01-00	CONNECTING ROD ASS'Y (1J7-11650-01)	4	
11	1J7-11654-00-00	. BOLT, connecting rod	2	
12	90170-09192-00	. NUT	2	

*Indicates new part numbers activated from March, 1983.

Piston Skirt Clearance New / Max	0.050 ~ 0.055mm / 0.1mm
Ring End Gap Top / 2nd / 3rd	0.2 ~ 0.4mm / 0.2 ~ 0.4mm / 0.2 ~ 0.9mm

CRANKSHAFT - PISTON



3U9171-0030

Ref. No.	Part Number	Description	Qty.	Remarks
13	2F3-11656-00-00	PLANE BEARING, connecting rod	8	U.R. Blue
	2F3-11656-10-00	PLANE BEARING, connecting rod	8	U.R. Black
	2F3-11656-20-00	PLANE BEARING, connecting rod	8	U.R. Brown
	2F3-11656-30-00	PLANE BEARING, connecting rod	8	U.R. Green
	2F3-11656-40-00	PLANE BEARING, connecting rod	8	U.R. Yellow

CONNECTING ROD BEARING SELECTION

Housing No. — Shaft No. — Bearing No.

	Center thickness T	Housing diameter	No.	Shaft diameter	No.	Oil clearance
BEARING 1 (BLUE)	1.5 + 0.001 - 0.003	45.5φ + 0.024 + 0.016	4	42.5φ 0 - 0.008	1	0.042 - 0.064
BEARING 2 (BLACK)	1.5 - 0.002 + 0.007	45.5φ + 0.016 + 0.008	5	42.5φ - 0.009 + 0.016	2	0.042 - 0.064
BEARING 3 (BROWN)	1.5 - 0.007 + 0.011	45.5φ + 0.008 0	6	42.5φ - 0.017 + 0.024	3	0.042 - 0.064
BEARING 4 (GREEN)	1.5 - 0.011 + 0.015					0.042 - 0.064
BEARING 5 (YELLOW)	1.5 - 0.015 + 0.019					0.042 - 0.064

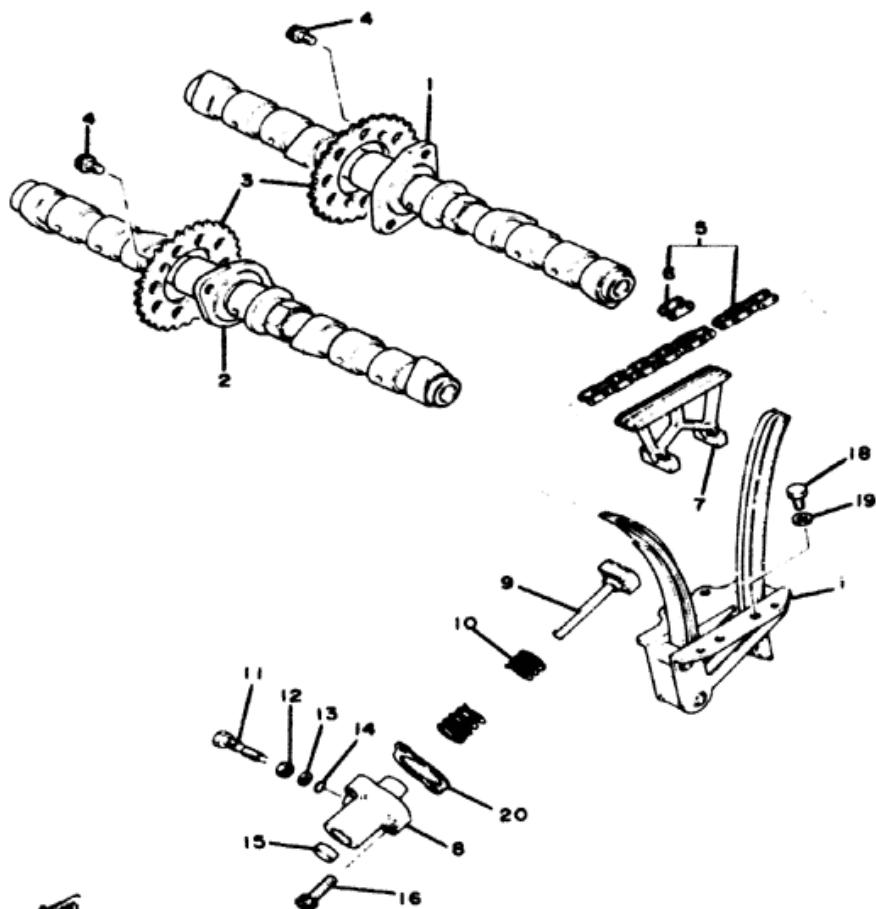
CRANKSHAFT BEARING SELECTION

Housing No. — Shaft No. — Bearing No.

	Center thickness T	Housing diameter	No.	Shaft diameter	No.	Oil clearance
BEARING 1 (BLUE)	1.5 + 0.006 + 0.002	39φ + 0.024 + 0.016	4	36φ 0 - 0.008	1	0.035 - 0.059
BEARING 2 (BLACK)	1.5 + 0.002 - 0.002	39φ + 0.016 + 0.008	5	36φ - 0.009 + 0.016	2	0.035 - 0.059
BEARING 3 (BROWN)	1.5 - 0.002 + 0.006	39φ + 0.008 0	6	36φ 0.017 + 0.024	3	0.035 - 0.059
BEARING 4 (GREEN)	1.5 - 0.006 + 0.010					0.035 - 0.059
BEARING 5 (YELLOW)	1.5 - 0.010 + 0.014					0.035 - 0.059

Piston Skirt Clearance New / Max	0.050 ~ 0.055mm / 0.1mm
Ring End Gap Top / 2nd / 3rd	0.2 ~ 0.4mm / 0.2 ~ 0.4mm / 0.2 ~ 0.9mm

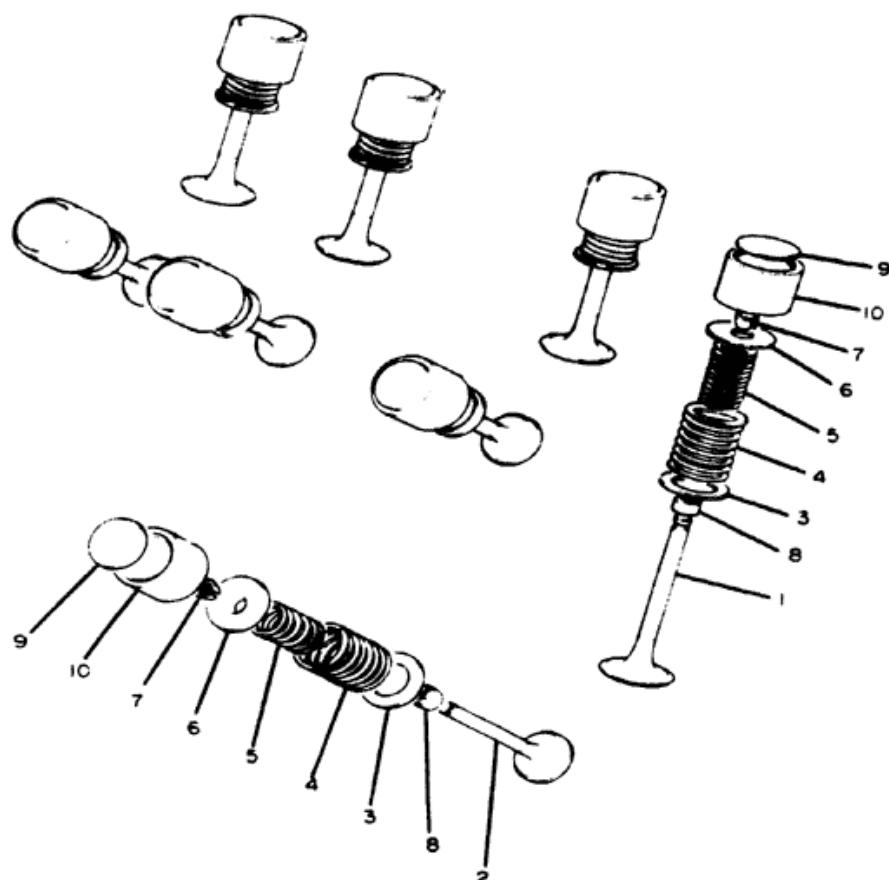
CAMSHAFT - CHAIN



Ref. No.	Part Number	Description	Qty.	Remarks
1	3H5-12171-01-00	CAMSHAFT 1	1	
2	3H5-12181-01-00	CAMSHAFT 2	1	
3	1L9-12176-00-00	SPROCKET, cam chain (34T) ...	2	
4	90105-07087-00	BOLT, washer based.....	4	
5	94500-02128-00	CHAIN (BF05M-128L)	1	
6	94800-02001-00	. JOINT, chain.....	1	Tsubakimoto
7	2H7-12241-00-00	GUIDE, stopper 2	1	
8	2H7-12212-01-00	CASE, chain tensioner	1	
9	2H7-12217-01-00	ROD, chain tensioner	1	
10	90501-16493-00	SPRING, compression	1	
11	90109-08442-00	BOLT	1	
12	95301-08700-00	NUT	1	
13	92901-06600-00	WASHER, plate	1	
14	93210-06001-00	O-RING	1	
15	90338-14004-00	PLUG	1	
16	91311-06025-00	BOLT	2	
17	2H7-12250-04-00	CHAIN DAMPER ASS'Y	1	
18	97321-06020-00	BOLT	4	
19	92901-06600-00	WASHER, plate	4	
20	2H7-12213-00-00	GASKET, tensioner case	1	

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VALVE

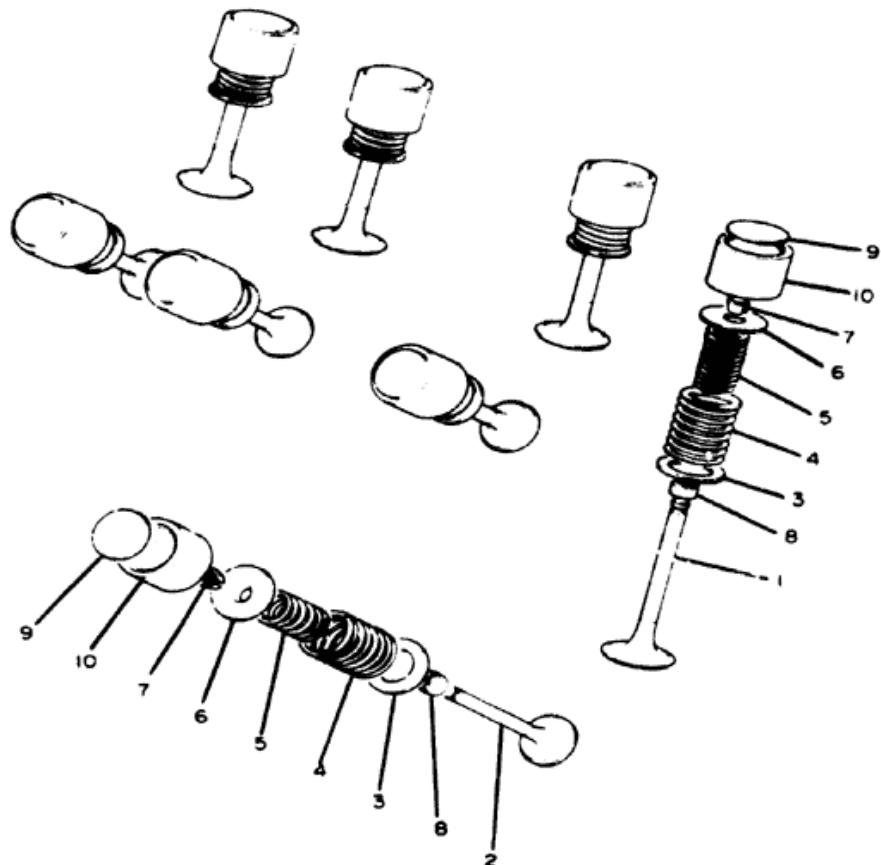


Ref. No.	Part Number	Description	Qty.	Remarks
1	3H5-12111-01-00	VALVE, intake	4	
2	3H5-12121-00-00	VALVE, exhaust.....	4	
3	1J7-12116-00-00	SEAT, valve spring	8	
4	90501-39414-00	SPRING, compression	8	
5	90501-28415-00	SPRING, compression	8	
6	2F3-12117-00-00	RETAINER, valve spring.....	8	
7	1J7-12118-00-00	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.
	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.

3X0332 105C

Valve Clearance (Cold) Intake / Exhaust 0.11 ~ 0.15mm / 0.21 ~ 0.25mm

VALVE

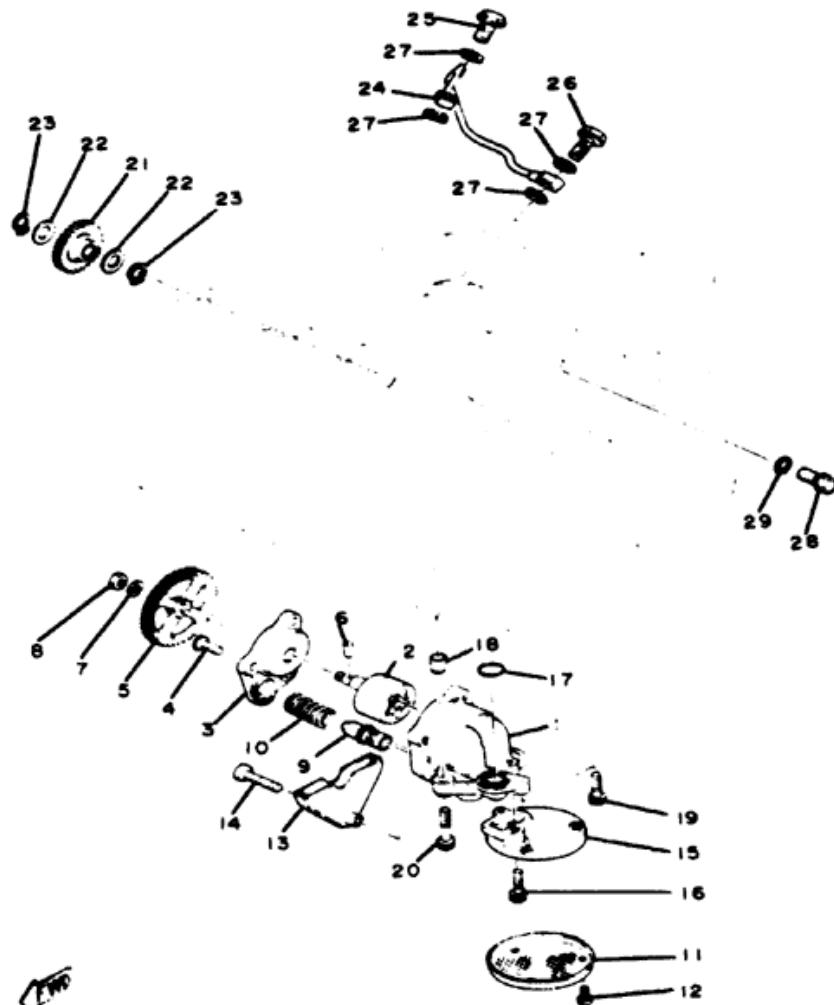


Ref. No.	Part Number	Description	Qty.	Remarks
	1J7-12169-J1-00	PAD, adjusting (2.75)	8	U.R.
	1J7-12169-K1-00	PAD, adjusting (2.80)	8	U.R.
	1J7-12169-L1-00	PAD, adjusting (2.85)	8	U.R.
	1J7-12169-M1-00	PAD, adjusting (2.90)	8	U.R.
	1J7-12169-N1-00	PAD, adjusting (2.95)	8	U.R.
	1J7-12169-R1-00	PAD, adjusting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

3X0332 1050

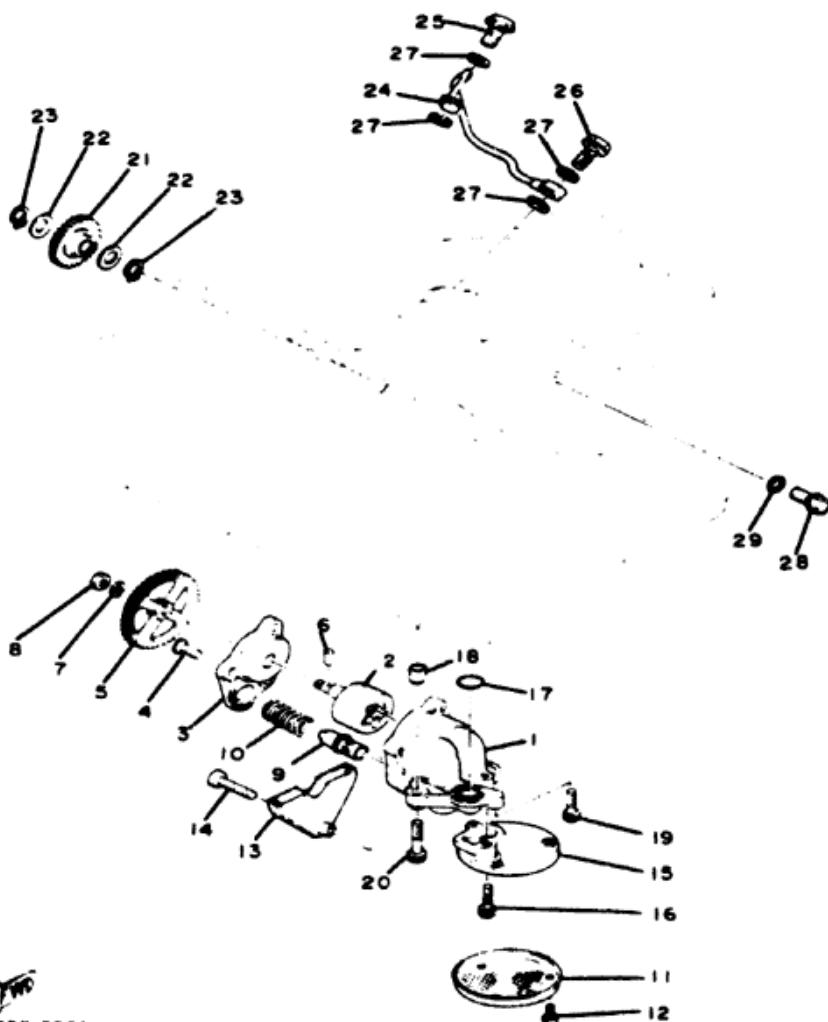
Valve Clearance (Cold) Intake / Exhaust 0.11 ~ 0.15mm / 0.21 ~ 0.25mm

OIL PUMP



Ref. No.	Part Number	Description	Qty.	Remarks
1	2H7-13336-00-00	HOUSING, rotor	1	
2	2H7-13330-00-00	PUMP SHAFT ASS'Y	1	
3	2H7-13316-00-00	COVER, pump	1	
4	90149-06126-00	SCREW.....	3	
5	2H7-13325-00-00	GEAR, pump driven (52T)	1	
6	93603-12007-00	PIN, dowel	1	
7	92903-06100-00	WASHER, spring (92901-06100)	1	
8	95303-06600-00	NUT.....	1	
9	2H7-13483-00-00	PLUNGER, relief	1	
10	90501-18499-00	SPRING, compression	1	
11	2F3-13411-00-00	STRAINER, oil (1J7-13411-01)	1	
12	98503-05012-00	SCREW, pan head (98501-05012)	3	
13	2H7-13327-00-00	COVER, pump gear.....	1	
14	91316-06035-00	BOLT	1	
15	2H7-13412-00-00	HOUSING, strainer.....	1	

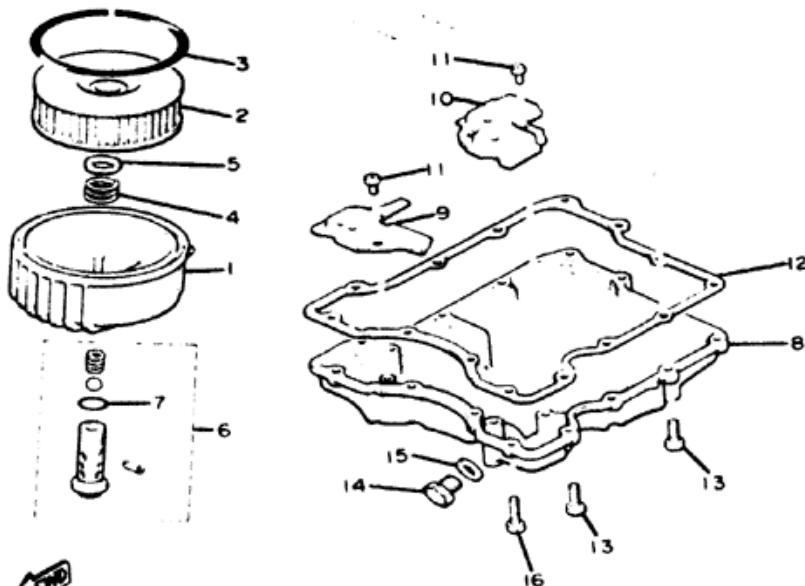
OIL PUMP



Ref. No.	Part Number	Description	Qty.	Remarks
16	91316-06025-00	BOLT	2	
17	93210-18319-00	O-RING	1	
18	91810-03014-00	PIN, dowel	2	
19	91311-06025-00	BOLT	1	
20	91311-06035-00	BOLT	2	
21	2H7-13341-00-00	GEAR, oil pump idle (37T)	1	
22	90201-12471-00	WASHER, plate	2	
23	93410-12003-00	CIRCLIP	2	
24	2H7-13161-00-00	PIPE, delivery 1	1	
25	90401-10013-00	BOLT, union	1	
26	90401-10004-00	BOLT, union	1	
27	90430-10027-00	GASKET	4	
28	90401-10051-00	BOLT, union	1	
29	90430-10027-00	GASKET	1	

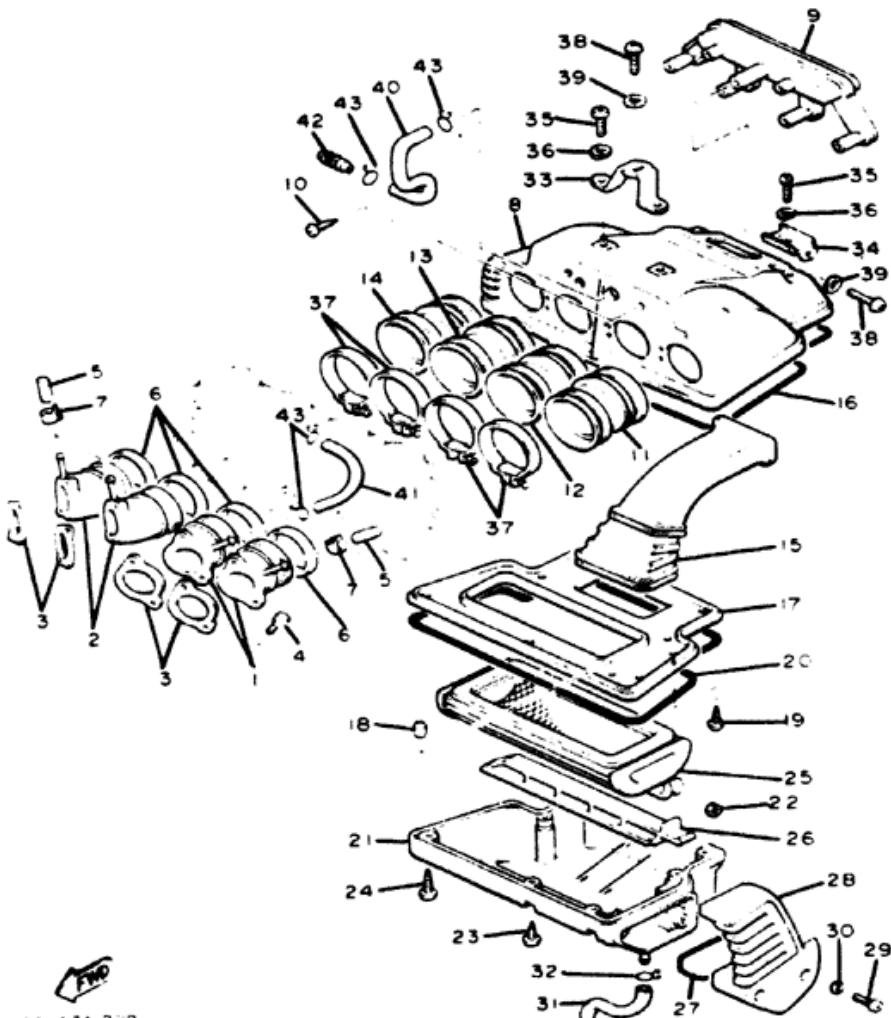
OIL CLEANER

Ref. No.	Part Number	Description	Qty.	Remarks
1	2H7-13447-00-00	COVER, oil element	1	
2	1J7-13440-91-00	ELEMENT ASS'Y, oil cleaner ...	1	
3	93211-17317-00	O-RING	1	
4	90501-18433-00	SPRING, compression	1	
5	90201-21608-00	WASHER, plate	1	
6	2H7-13340-00-00	BY-PASS VALVE ASS'Y.....	1	
7	93210-16314-00	. O-RING	1	
8	10M-13417-00-00	COVER, strainer	1	
9	2H7-13317-00-00	PLATE, baffle	1	
10	2H7-13337-00-00	PLATE, baffle lower	1	
11	92503-06012-00	SCREW, pan head (92501-06012)	4	
12	2H7-13414-00-00	GASKET, strainer cover	1	
13	91311-06025-00	BOLT	10	
14	11H-13455-00-00	PLUG, straight screw	1	
	90340-14089-00	PLUG, straight screw (90340-14009).....	1	
15	214-11198-01-00	GASKET	1	
16	91311-06035-00	BOLT.....	4	



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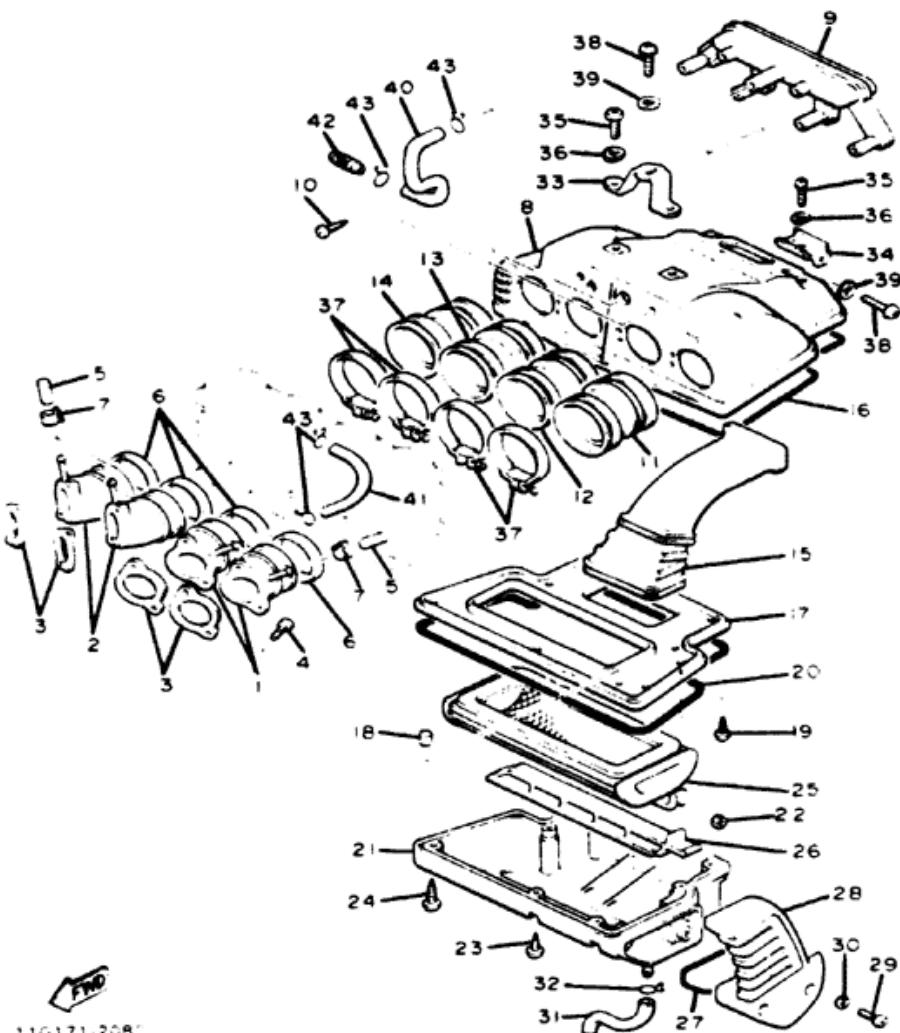
INTAKE



Ref. No.	Part Number	Description	Qty.	Remarks
1	2H7-13586-00-00	JOINT, carburetor 1	2	
2	2H7-13586-00-00	JOINT, carburetor 2	2	
3	10M-13586-00-00	GASKET, manifold.....	4	
4	91318-08020-00	BOLT	8	
5	16G-13589-00-00	PLUG, blind (1J7-13589-00)	3	
6	90480-54085-00	CLAMP, hose	4	
7	90487-10039-00	CLIP	3	
8	10M-14411-00-00	CASE, air cleaner 1.....	1	
9	10M-14434-01-00	SEPARATOR, oil	1	
10	97701-50512-00	SCREW, tapping	2	
11	10M-14453-01-00	JOINT, air cleaner 1	1	
12	10M-14463-01-00	JOINT, air cleaner 2	1	
13	10M-14454-01-00	JOINT	1	
14	10M-14485-01-00	PIPE, joint	1	
15	10M-14437-00-00	DUCT	1	
16	10M-14457-00-00	SEAL	1	
17	10M-1441F-00-00	PARTITION, air cleaner case ...	1	
18	5H0-14462-00-00	SEAL	1	
19	97702-40510-00	SCREW, tapping	2	
20	10M-14467-00-00	SEAL	1	
21	10M-14421-00-00	CASE, air cleaner 2	1	
22	95701-05100-00	NUT, flange (95702-05100)	2	

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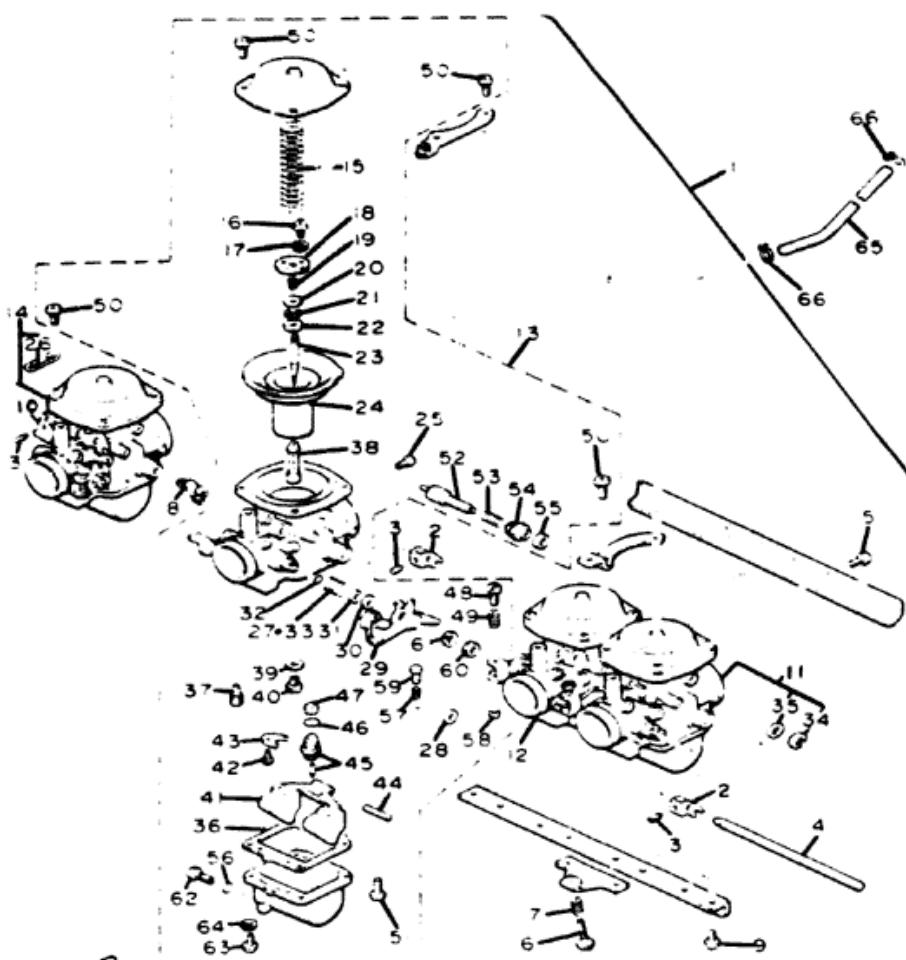
INTAKE



Ref. No.	Part Number	Description	Qty.	Remarks
23	97701-60530-00	SCREW, tapping	6	
24	97701-60545-00	SCREW, tapping	1	
25	10M-14451-00-00	ELEMENT, air cleaner	1	
26	10M-14468-00-00	PLATE, element fitting	1	
27	10M-14452-00-00	SEAL	1	
28	10M-14422-00-00	CAP, cleaner case 2	1	
29	98506-05025-00	SCREW, pan head.....	2	
30	92906-05600-00	WASHER, plate.....	2	
31	90445-11182-00	HOSE.....	1	
32	90467-09006-00	CLIP.....	1	
33	10M-14498-00-00	STAY 1	1	
34	10M-14499-00-00	STAY 2	1	
35	92503-06015-00	SCREW, pan head (92502-06016)	3	
36	92903-06100-00	WASHER, spring (92902-06100)	3	
37	90460-58124-00	CLAMP, hose.....	4	
38	97301-06016-00	BOLT	2	
39	92901-06600-00	WASHER (92902-06600).....	2	
40	2H7-11166-00-00	PIPE, breather 1	1	
41	10M-11157-00-00	PIPE, breather 2	1	
42	15A-11166-00-00	PIPE, breather 1	1	
43	90467-14015-00	CLIP.....	4	

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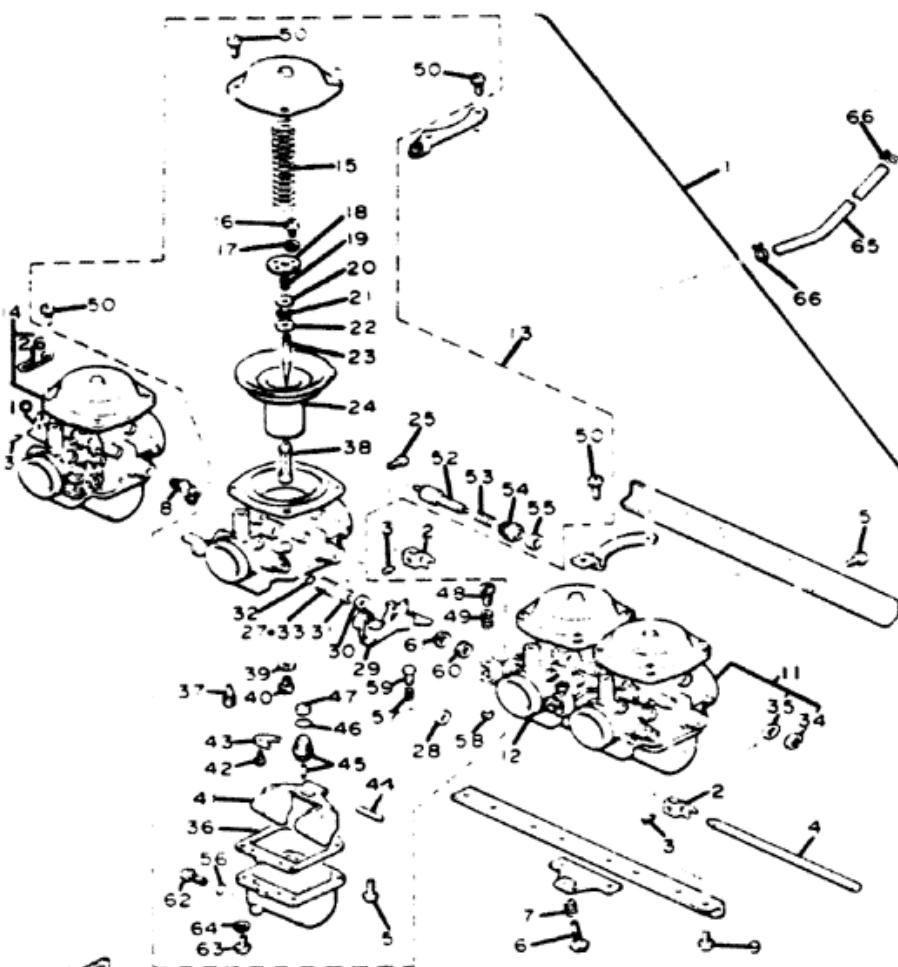
CARBURETOR



Ref. No.	Part Number	Description	Qty.	Remarks
1	(10M-14900-00)	CARBURETOR ASS'Y.....	1	N/A
2	3F7-14905-00-00	. LEVER, starter	4	
3	2H7-14991-00-00	. SCREW	6	
4	10M-14978-00-00	. SHAFT, starter lever	1	
5	97801-05010-00	. SCREW, pan head	8	
6	3F7-14122-00-00	. SCREW, throttle.....	1	
7	3F7-14934-00-00	. SPRING, throttle stop.....	1	
8	3H3-14988-00-00	. NIPPLE	2	
9	97801-06014-00	. SCREW, pan head	8	
10	10M-14975-00-00	. LEVER, starter 1.....	1	
11	10M-14901-00-00	. CARBURETOR ASS'Y 1	1	
12	10M-14902-00-00	. CARBURETOR ASS'Y 2	1	
13	10M-14903-00-00	. CARBURETOR ASS'Y 3	1	
14	10M-14904-00-00	. CARBURETOR ASS'Y 4	1	
15	3H5-14933-00-00	. SPRING, diaphragm	4	
16	97602-03108-00	. SCREW, pan head with washer	8	
17	92903-03100-00	. WASHER, spring (92901-03100).....	8	
18	3F7-14936-00-00	. SEAT, spring.....	4	
19	3F7-14589-00-00	. SPRING	4	
20	3F7-14952-00-00	. WASHER	4	
21	256-14919-00-00	. CLIP	4	
22	3F7-14918-00-00	. RING	4	

CARBURETOR - Mr. / Type / I.D. Number		Mikuni / BS34 / 10M-00
Main Jet / Pilot Jet		112.5 / 47.5
Needle Jet / Jet Needle-Clip Position		X-2 / 5GL2-34 Fixed
Slide Cutaway or Throttle Valve		135
Floate Level / Fuel Level		NA / 3.0 ± 1mm
Idle rpm		1100 / rpm
Max CO% / Max HC% / Set CO		6.0% / 800 ppm / 3.0% (All Settings @ Idle)

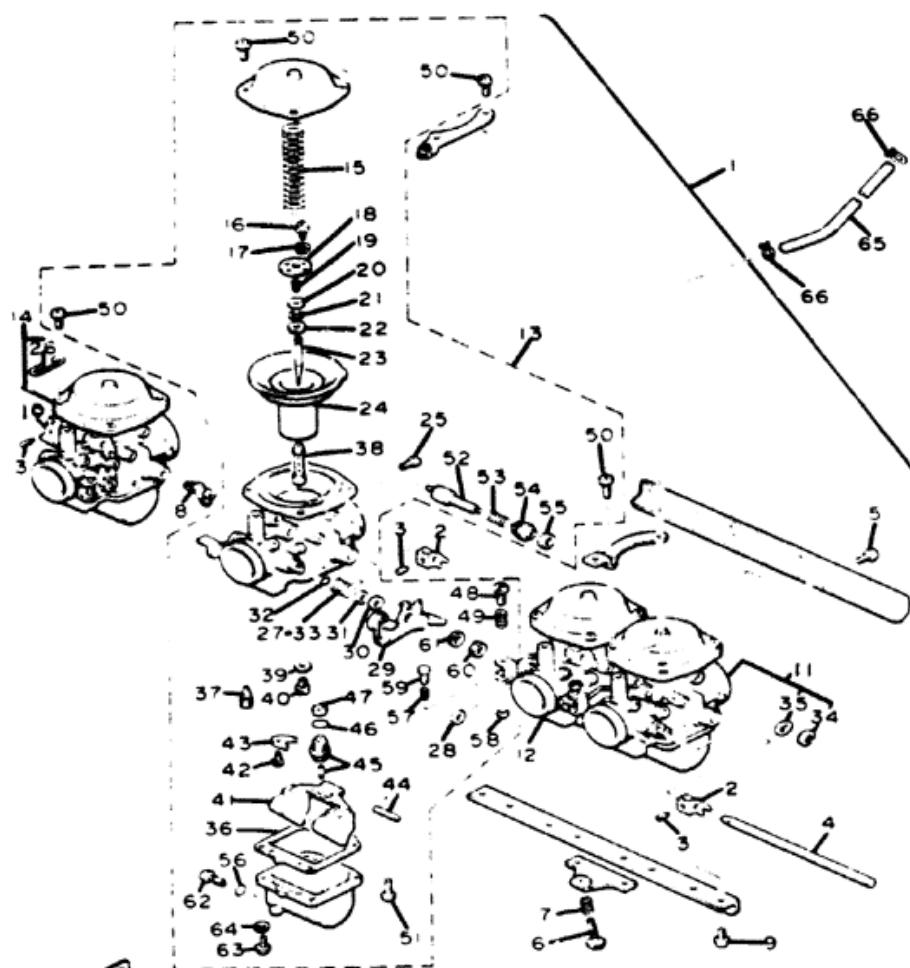
CARBURETOR



Ref. No.	Part Number	Description	Qty.	Remarks
23	452-14116-34-00	NEEDLE	4	
24	3H5-14940-00-00	DIAPHRAGM ASS'Y.....	4	
25	256-14944-34-00	JET, main (#170.0)	4	
26	10M-14139-00-00	CLIP, pipe.....	1	
27	2H9-14931-00-00	SPRING, throttle lever.....	2	
28	[2H7-14952-00-00]	WASHER	3	N/A
29	3H5-14913-00-00	LEVER, throttle	1	
30	306-14970-00-00	COLLAR	1	
31	2H7-14918-00-00	RING.....	1	
32	256-14997-00-00	SEAL.....	8	
33	2H7-14931-00-00	SPRING, throttle lever.....	1	
34	[812-14137-00-00]	CLIP	2	N/A
35	1A8-14953-00-00	WASHER	4	
36	3F7-14984-00-00	GASKET, float chamber.....	4	
37	4G0-14142-47-00	JET, pilot (#47.5).....	4	
38	3H5-14941-02-00	NOZZLE, main	4	
39	137-14153-00-00	WASHER, main jet.....	4	
40	620-14231-73-00	JET, main (#112.5).....	4	
41	3H5-14985-00-00	FLOAT	4	
42	98501-04005-00	SCREW, pan head (98502-04006).....	4	
43	2H0-14146-00-00	PLATE	4	
44	537-14186-00-00	PIN, float	4	

CARBURETOR - Mfr. / Type / I.D. Number	Mikuni / BS34 / 10M-00
Main Jet / Pilot Jet	112.5 / 47.5
Needle Jet / Jet Needle-Clip Position	X-2 / SGJZ-34 Fixed
Slide Cutaway or Throttle Valve	136
Float Level / Fuel Level	NA / 3.0 ± 1mm
Idle rpm	1100 rpm
Max CO% / Max HC% / Set CO	6.0% / 600 ppm / 3.0% (All Settings @ Idle)

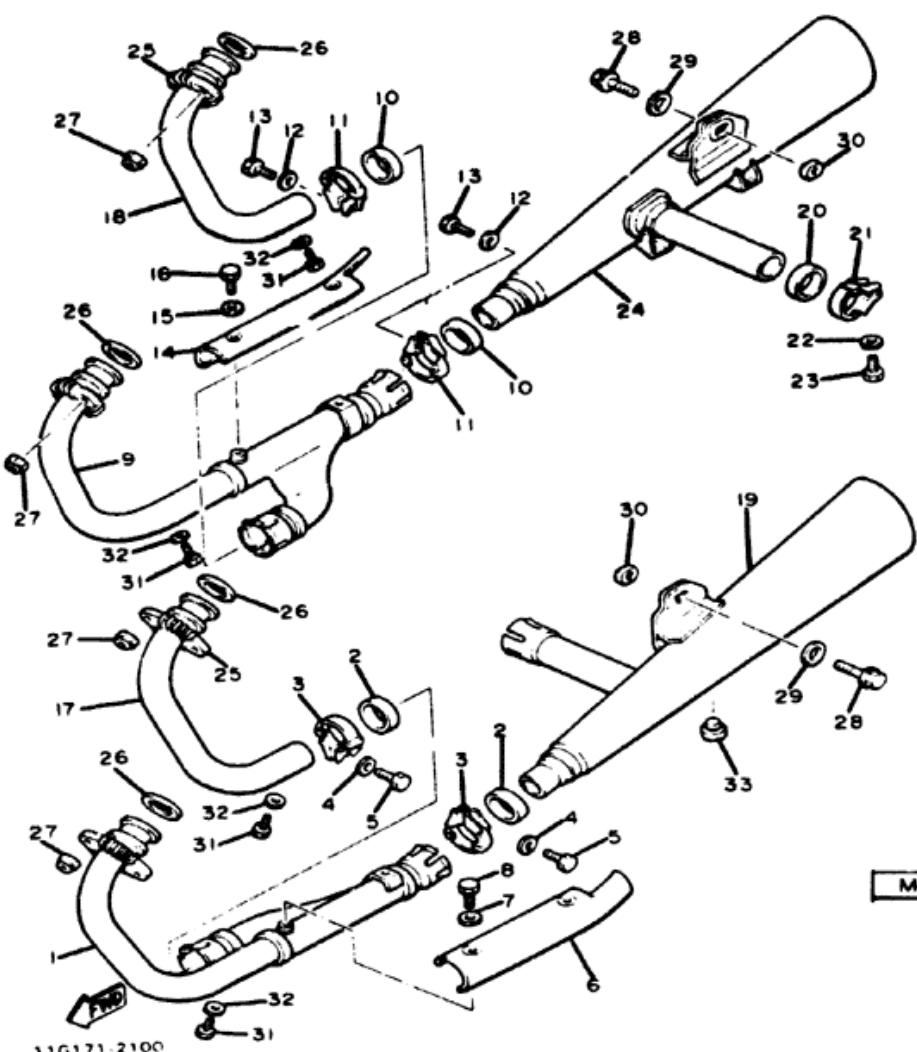
CARBURETOR



Ref. No.	Part Number	Description	Qty.	Remarks
45	3L1-14190-20-00	NEEDLE VALVE ASS'Y	4	
46	8F2-14147-00-00	O-RING.....	4	
47	1J7-14994-00-00	NET, filter.....	4	
48	3F7-14922-00-00	SCREW, throttle	3	
49	3F7-14133-00-00	SPRING, throttle stop	3	
50	97801-05010-00	SCREW, pan head	16	
51	98302-05008-00	SCREW, cylinder head.....	4	
52	3F7-14171-00-00	PLUNGER, starter.....	4	
53	3F7-14135-00-00	SPRING, plunger.....	4	
54	3F7-14174-00-00	CAP, plunger	4	
55	3F7-14173-00-00	COVER, plunger cap.....	4	
56	214-14147-00-00	O-RING.....	4	
57	584-14934-00-00	SPRING, throttle stop	3	
58	2H7-14937-00-00	CLIP	4	
59	2H7-14992-00-00	ROD.....	3	
60	812-14594-00-00	NUT.....	2	
61	92903-08100-00	WASHER, spring (92901-08100).....	2	
62	2L1-14191-00-00	PLUG, drain	4	
63	98501-05016-00	SCREW, pan head	16	
64	92903-05100-00	WASHER, spring (92901-05100).....	16	
65	90445-08427-00	HOSE.....	1	
66	90467-07029-00	CLIP.....	2	

CARBURETOR - Mr. / Type / I.D. Number	Mikuni / BS34 / 10M-00
Main Jet / Pilot Jet	112.5 / 47.5
Needle Jet / Jet Needle-Clip Position	X-2 / 5GLZ-34 Fixed
Slide Cutaway or Throttle Valve	135
Fuel Level / Fuel Level	NA / 3.0 ± 1mm
Idle rpm	1100 rpm
Max CO% / Max HC% / Set CO	6.0% / 800 ppm / 3.0% (All Settings @ Idle)

EXHAUST



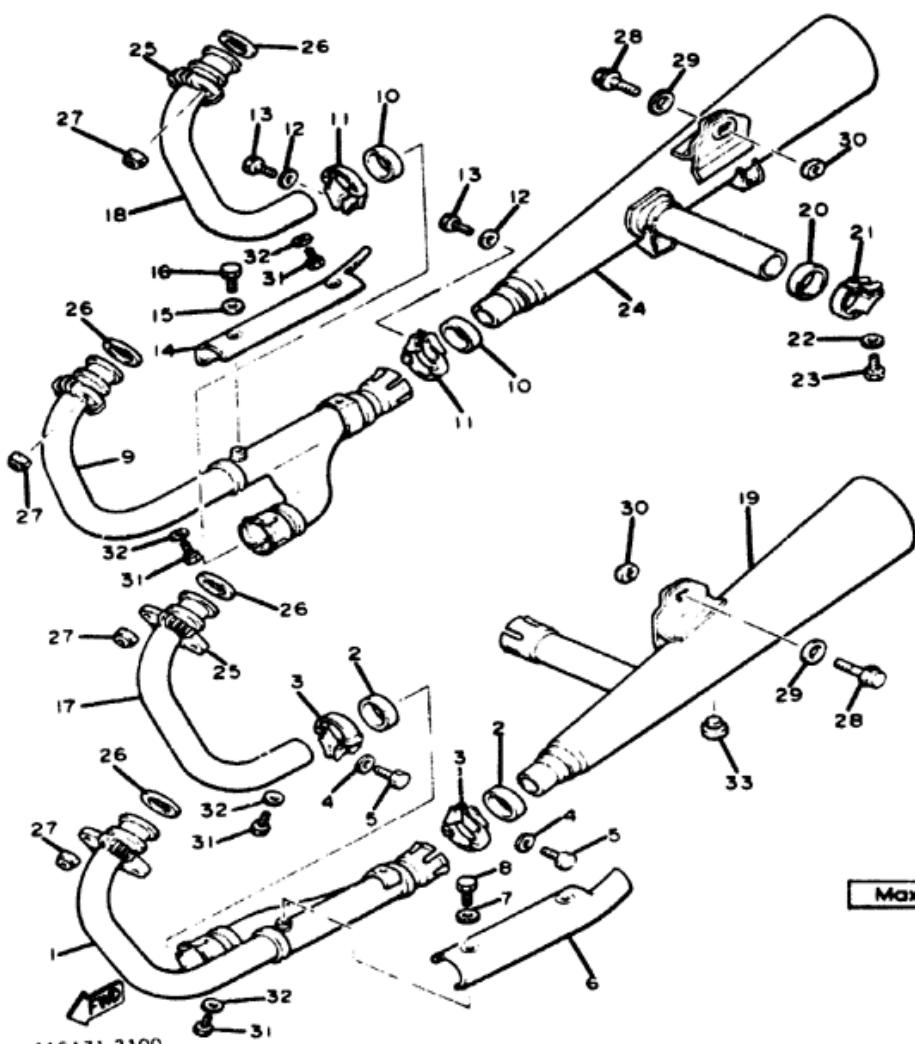
Ref. No.	Part Number	Description	Qty.	Remarks
1	10M-14615-00-00	JOINT, exhaust 1	1	
2	1L9-14714-01-00	GASKET, muffler.....	2	
3	2H9-14715-00-00	BAND, muffler.....	2	
4	92901-08600-00	WASHER, plate.....	2	
5	97311-08025-00	BOLT	2	
6	10M-14718-00-00	PROTECTOR, muffler 1	1	
7	90201-08052-00	WASHER, plate.....	2	
8	97323-08008-00	BOLT	2	
9	10M-14625-00-00	JOINT, exhaust 2	1	
10	1L9-14714-01-00	GASKET, muffler.....	2	
11	2H9-14725-00-00	BAND, muffler.....	2	
12	92901-08600-00	WASHER, plate.....	2	
13	97311-08025-00	BOLT	2	
14	10M-14728-00-00	PROTECTOR, muffler 2	1	
15	90201-08052-00	WASHER, plate.....	2	
16	97323-08008-00	BOLT	2	

Max CO% / Max HC% / Set CO

6.0% · 800 ppm / 3.0% (All Settings @ Idle)

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

EXHAUST



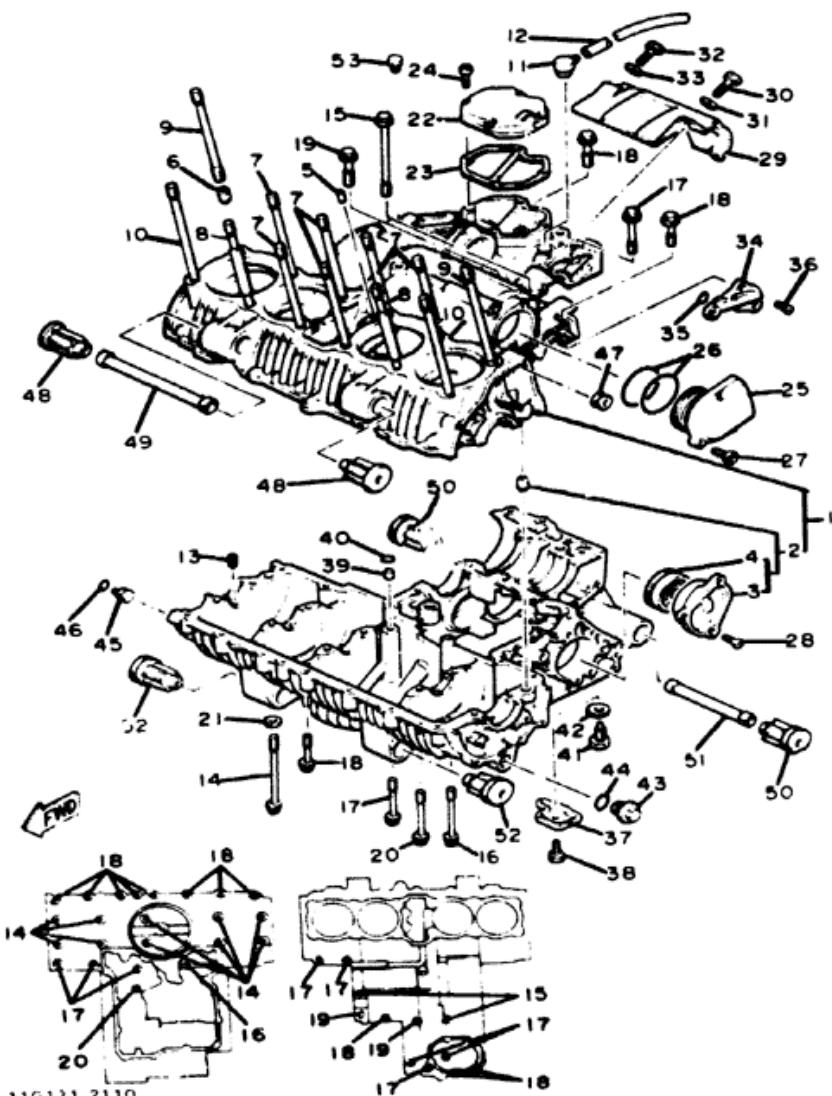
Ref. No.	Part Number	Description	Qty.	Remarks
17	2H7-14621-02-00	PIPE, exhaust 2.....	1	
18	2H7-14631-02-00	PIPE, exhaust 3.....	1	
19	10M-14711-01-00	MUFFLER 1.....	1	
20	1L9-14714-01-00	GASKET, muffler.....	1	
21	2H9-14715-00-00	BAND, muffler.....	1	
22	92901-08600-00	WASHER, plate.....	1	
23	97311-08025-00	BOLT	1	
24	10M-14721-01-00	MUFFLER 2.....	1	
25	2H7-14612-00-00	NUT, ring	2	
26	341-14613-00-00	GASKET, exhaust pipe.....	4	
27	90179-08273-00	NUT	8	
28	95801-10040-00	BOLT, flange.....	2	
29	90201-10669-00	WASHER, plate.....	2	
30	90179-10276-00	NUT	2	
31	97313-06012-00	BOLT (97311-06012)	4	
32	92901-06600-00	WASHER, plate	4	
33	1A0-27114-00-00	STOPPER, main stand	1	

Max CO* / Max HC* / Set CO

6.0% / 800 ppm / 3.0% (All Settings @ Idle)

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

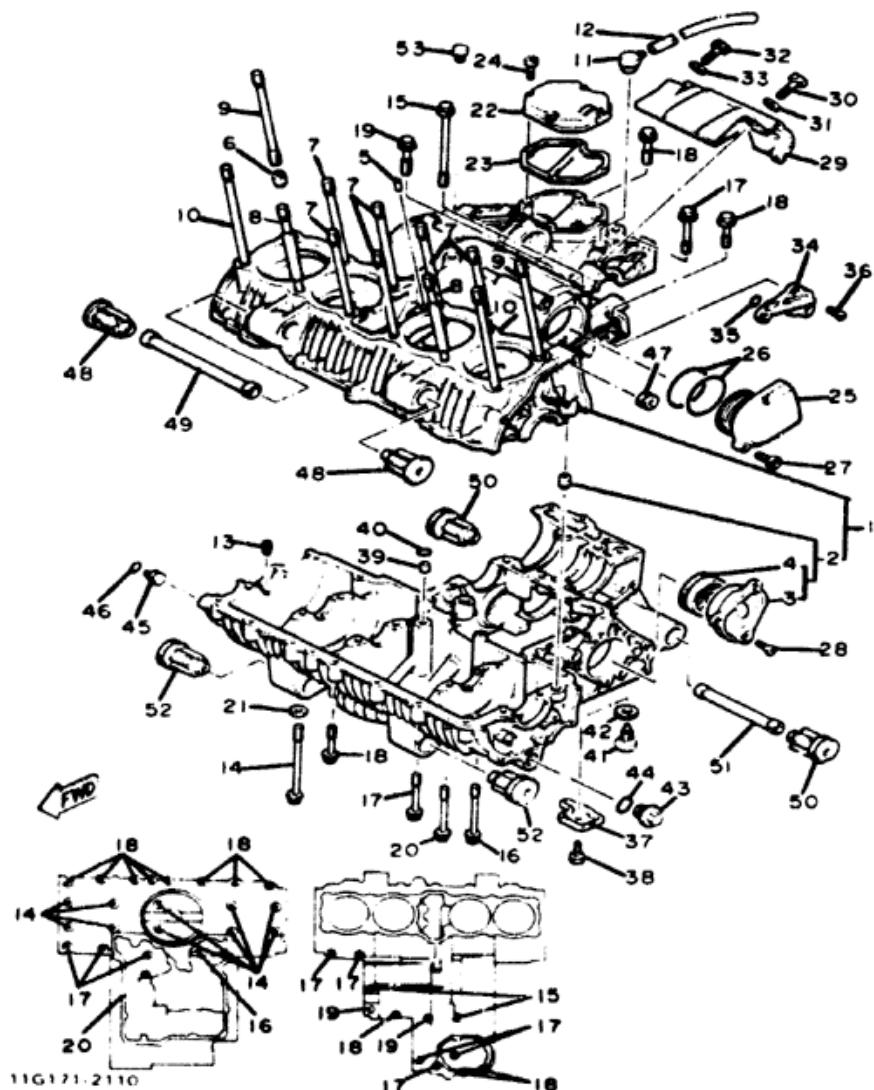
CRANKCASE



Ref. No.	Part Number	Description	Qty.	Remarks
1	2H7-15100-02-00	CRANKCASE ASS'Y.....	1	
2	91830-22016-00	. PIN, dowel	2	
3	2H7-W1516-00-10	. BEARING HOUSING COMP. 2	1	U.R. marked A
	2H7-W1516-00-20	. BEARING HOUSING COMP. 2	1	U.R. marked B
4	93304-20505-00	. . BEARING (B4205)	1	
5	93605-14143-00	PIN, dowel	2	
6	91830-24016-00	PIN, dowel	2	
7	90116-10273-00	BOLT, stud	6	
8	2F3-11363-00-00	BOLT, cylinder holding 3	2	
9	90116-10275-00	BOLT, stud	2	
10	90116-10274-00	BOLT, stud	2	
11	2H7-17591-01-00	BREATHER.....	1	
12	90445-07039-00	HOSE.....	1	
13	2H7-15138-00-00	NOZZLE 1.....	3	
14	90105-08114-00	BOLT, washer based.....	10	
15	95811-08125-00	BOLT, flange.....	2	
16	95811-06085-00	BOLT, flange.....	1	
17	95811-06065-00	BOLT, flange.....	8	
18	95811-06045-00	BOLT, flange.....	11	
19	95811-08045-00	BOLT, flange.....	2	
20	95811-08073-00	BOLT, flange.....	1	
21	90201-08366-00	WASHER, plate.....	8	
22	2H7-11168-00-00	COVER, breather.....	1	
23	2H7-11169-00-00	GASKET, breather cover.....	1	
24	91311-06025-00	BOLT.....	4	
25	2H7-15163-00-00	HOUSING, bearing 1	1	
26	93210-61362-00	O-RING.....	2	

Drain Plug	14 x 1.5: 4.25 m-kg
Oiling System	Wet Sump
Capacity: Dry	4000cc
Oil and Filter Change	3500cc
Oil Change	3000cc
Lubricant: Temp. Above 5°C (40°F)	Yamatube 4° or SAE 20W40 SE
Temp. Below 15°C (60°F)	SAE 10W30 SE

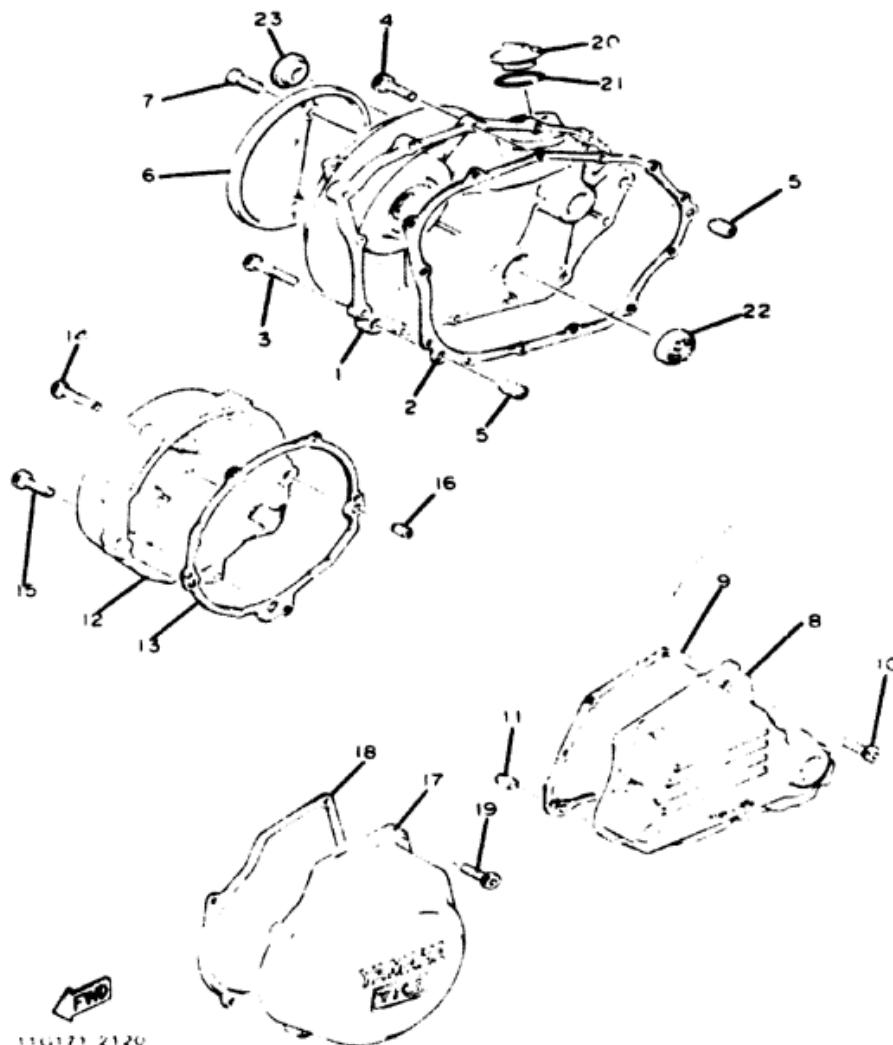
CRANKCASE



Ref. No.	Part Number	Description	Qty.	Remarks
27	91311-06025-00	BOLT	3	
28	90149-06126-00	SCREW	3	
29	10M-15436-00-00	COVER, starting motor	1	
30	97321-06030-00	BOLT	2	
31	92901-06600-00	WASHER, plate	2	
32	97321-06020-00	BOLT	1	
33	92901-06600-00	WASHER, plate	1	
34	2H7-15148-00-00	NOZZLE 2	1	
35	93210-09350-00	O-RING	1	
36	90149-06126-00	SCREW	3	
37	2H7-15155-00-00	NOZZLE 3	1	
38	97301-06016-00	BOLT	1	
39	91810-03014-00	PIN, dowel	1	
40	93210-09350-00	O-RING	1	
41	90340-14042-00	PLUG, straight screw	1	
42	214-11198-01-00	GASKET	1	
43	90340-18050-00	PLUG, straight screw	1	
44	93210-18319-00	O-RING	1	
45	90338-13084-00	PLUG	1	
46	93210-13361-00	O-RING	1	
47	90480-12012-00	GROMMET	1	
48	2H7-15316-01-00	DAMPER, engine mount 1	2	
49	2H7-15317-00-00	SPACER, engine mount	1	
50	2H7-15326-01-00	DAMPER, engine mount 2	2	
51	2H7-15327-00-00	SPACER, engine mount	1	
52	2H7-15336-00-00	DAMPER, engine mount 3	2	
53	90345-51009-00	PLUG	1	

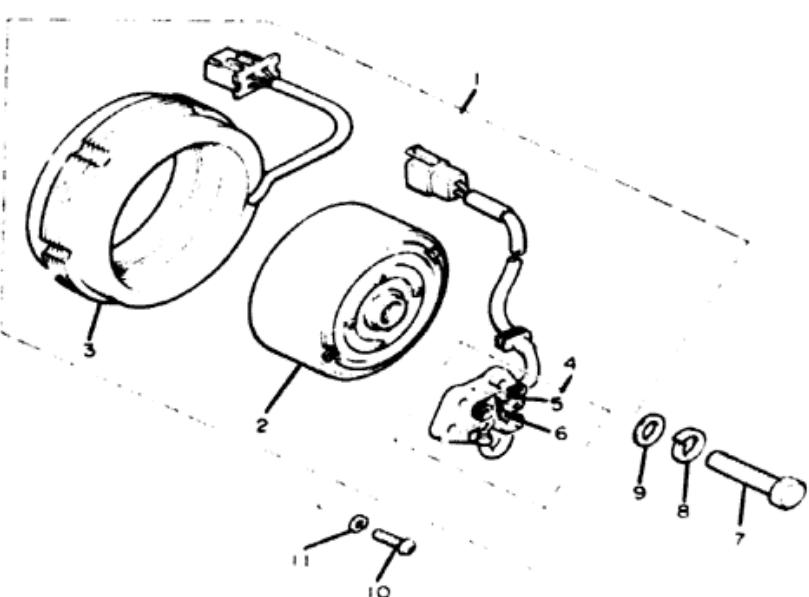
Drain Plug	14 x 1.5: 4.25 m+g
Oiling System	Wet Sump
Capacity: Dry	4000cc
Oil and Filter Change	3800cc
Oil Change	3000cc
Lubricant: Temp. Above 5°C (40°F)	Yamalube 4 [°] or SAE 20W40 SE
Temp. Below 15°C (60°F)	SAE 10W30 SE

CRANKCASE COVER



Ref. No.	Part Number	Description	Qty.	Remarks
1	2H7-15431-00-00	COVER, crankcase 3	1	
2	2H7-15451-00-00	GASKET, crankcase cover.....	1	
3	91311-06035-00	BOLT	3	
4	91311-06025-00	BOLT	10	
5	91810-18016-00	PIN, dowel	2	
6	2H7-15417-00-00	COVER, clutch.....	1	
7	92603-06018-00	SCREW, oval head	2	
8	2H7-15411-00-00	COVER, crankcase 1	1	
9	2H7-15461-00-00	GASKET, crankcase cover 2	1	
10	91311-06025-00	BOLT	9	
11	91810-18016-00	PIN, dowel	2	
12	10M-15415-01-00	COVER, generator.....	1	
13	2H7-15455-00-00	GASKET, generator cover	1	
14	91311-06035-00	BOLT	3	
15	91311-06025-00	BOLT	2	
16	91810-18016-00	PIN, dowel	2	
17	10M-15416-00-00	COVER, oil pump	1	
18	2H7-15456-00-00	GASKET, breaker cover	1	
19	91311-06025-00	BOLT	4	
20	2H7-15363-00-00	PLUG, oil	1	
21	93210-27370-00	O-RING	1	
22	2H7-15361-00-00	GAUGE, level	1	
23	90338-30096-00	PLUG	1	

A.C. GENERATOR



Ref. No.	Part Number	Description	Qty.	Remarks
1	10M-81600-11-00	A.C. GENERATOR ASS'Y.....	1	
2	10M-81650-10-00	ROTOR ASS'Y	1	
3	10M-81610-11-00	STATOR ASS'Y.....	1	
4	10M-81619-10-00	BRUSH HOLDER ASS'Y.....	1	
5	4G0-81611-10-00	.. BRUSH 1	1	
6	4G0-81612-10-00	.. BRUSH 2	1	
7	90101-10188-00	BOLT	1	
8	92903-10100-00	WASHER, spring (92901-10100)	1	
9	90201-10508-00	WASHER, plate	1	
10	92503-06012-00	SCREW, pan head (92501-06012)	2	
11	92903-06100-00	WASHER, spring (92902-06100)	2	

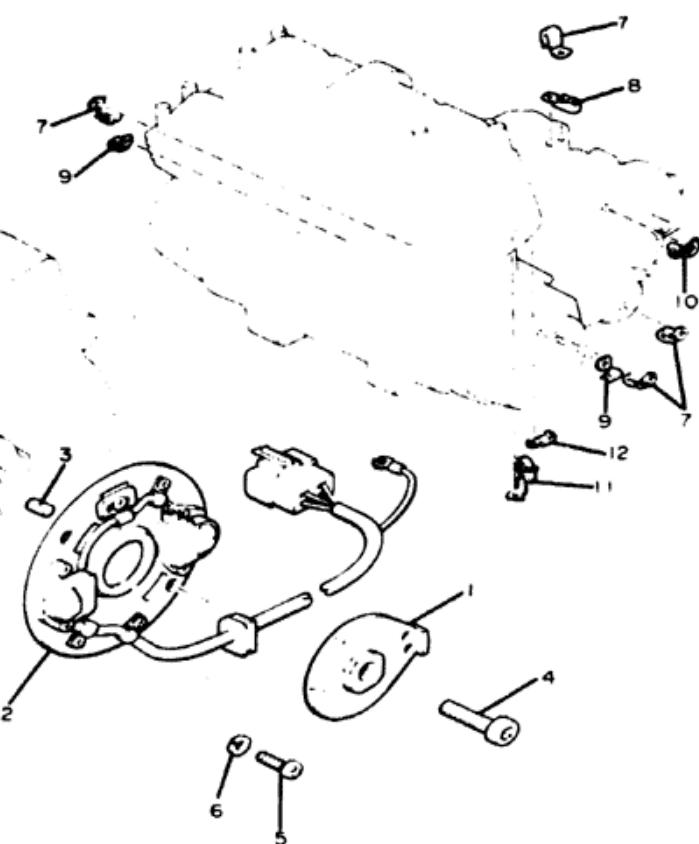


FIGURE 213.

CHARGING SYSTEM		AC Generator : 3-Phase / Full Wave
Battery Model	Spec	Specific Gravity / Charge Rate
Maximum Output		GS GM182-3A (12V 20AH) : 1.28 / 2.0A
TROUBLESHOOTING		14V 26A @ 5000 rpm
Field Coil Color Code / Ø		Rotor: Grn ~ Blk: 4.0Ω ± 10% Stator: Wh1 ~ Wh1: 0.37Ω ± 10%
Charge Coil Color Code / Ø		Ø

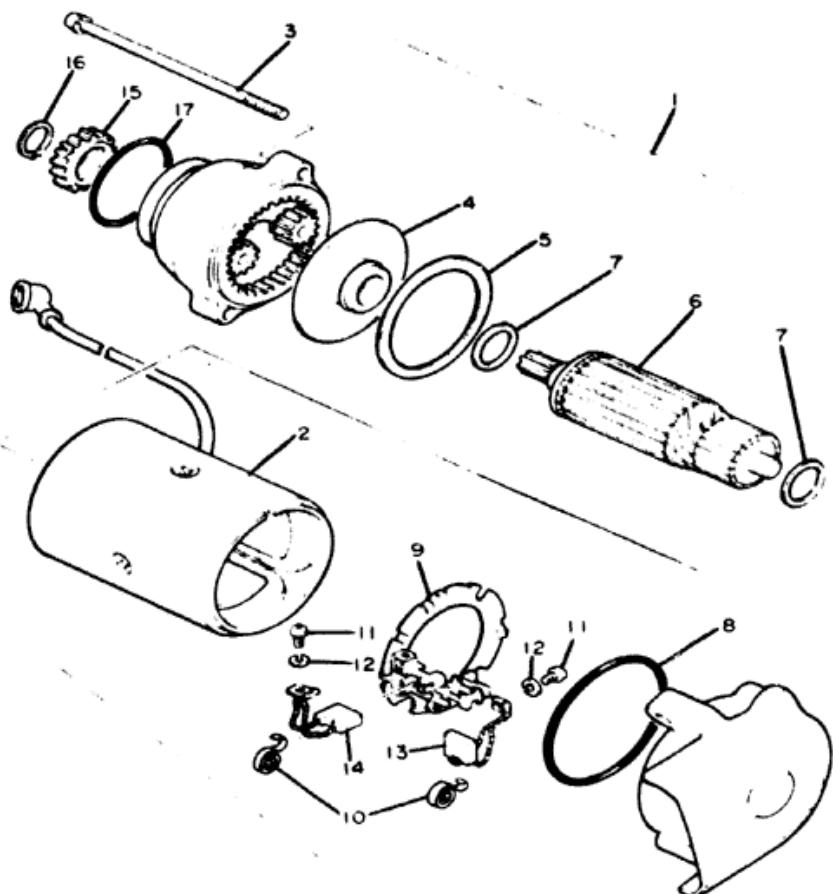
PICKUP COIL - GOVERNOR

Ref. No.	Part Number	Description	Qty.	Remarks
1	10M-81673-10-00	ROTOR	1	
2	10M-81671-10-00	BASE, pickup	1	
3	93604-08071-00	PIN, dowel	1	
4	91316-08045-00	BOLT	1	
5	92503-08012-00	SCREW, pan head (92501-08012)	2	
6	92903-08100-00	WASHER, spring (92902-08100)	2	
7	90465-08127-00	CLAMP	4	
8	90465-10164-00	CLAMP	1	
9	90465-08122-00	CLAMP	2	
10	90465-10137-00	CLAMP	1	
11	90465-08135-00	CLAMP	1	
12	90465-08136-00	CLAMP	1	



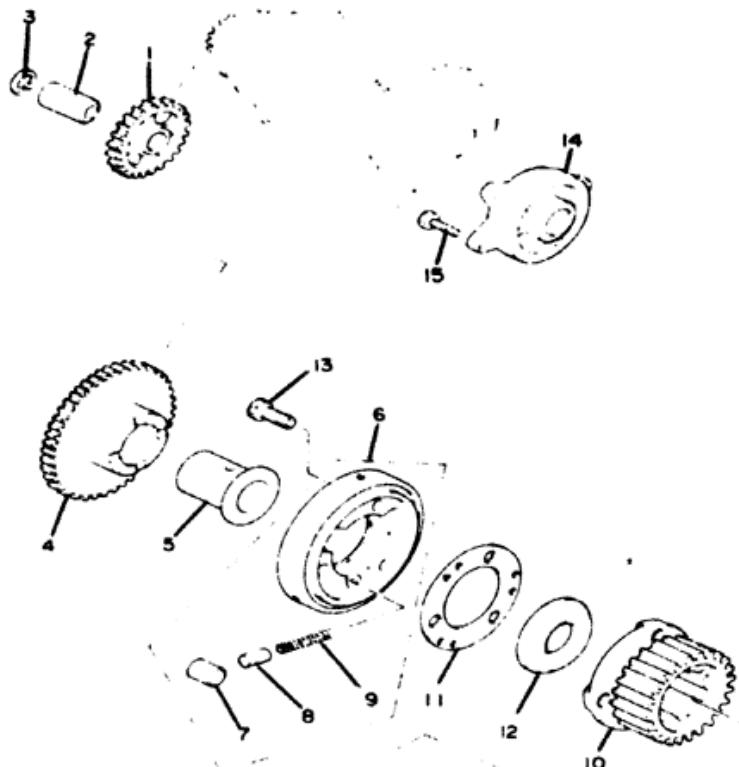
FMO
110171-2140

STARTING MOTOR



Ref. No.	Part Number	Description	Qty.	Remarks
1	4R0-81800-60-00	STARTING MOTOR ASS'Y	1	
2	2H7-81810-60-00	STATOR ASS'Y.....	1	
3	371-81826-20-00	BOLT	2	
4	371-81845-20-00	PLATE	1	
5	371-81844-20-00	GASKET.....	1	
6	2H7-81850-60-00	ROTOR COMP.....	1	
7	371-81809-20-00	WASHER KIT	1	
8	371-81847-20-00	O-RING	1	
9	371-81840-20-00	BRUSH HOLDER ASS'Y.....	1	
10	371-81813-20-00	SPRING, brush.....	2	
11	98501-03008-00	SCREW, pan head	2	
12	92903-03100-00	WASHER, spring	2	
13	371-81811-20-00	BRUSH 1.....	1	
14	371-81812-20-00	BRUSH 2.....	1	
15	1J7-15511-00-00	GEAR, starting motor (13T) ...	1	
16	93410-12003-00	CIRCLIP.....	1	
17	1J7-81847-60-00	O-RING	1	

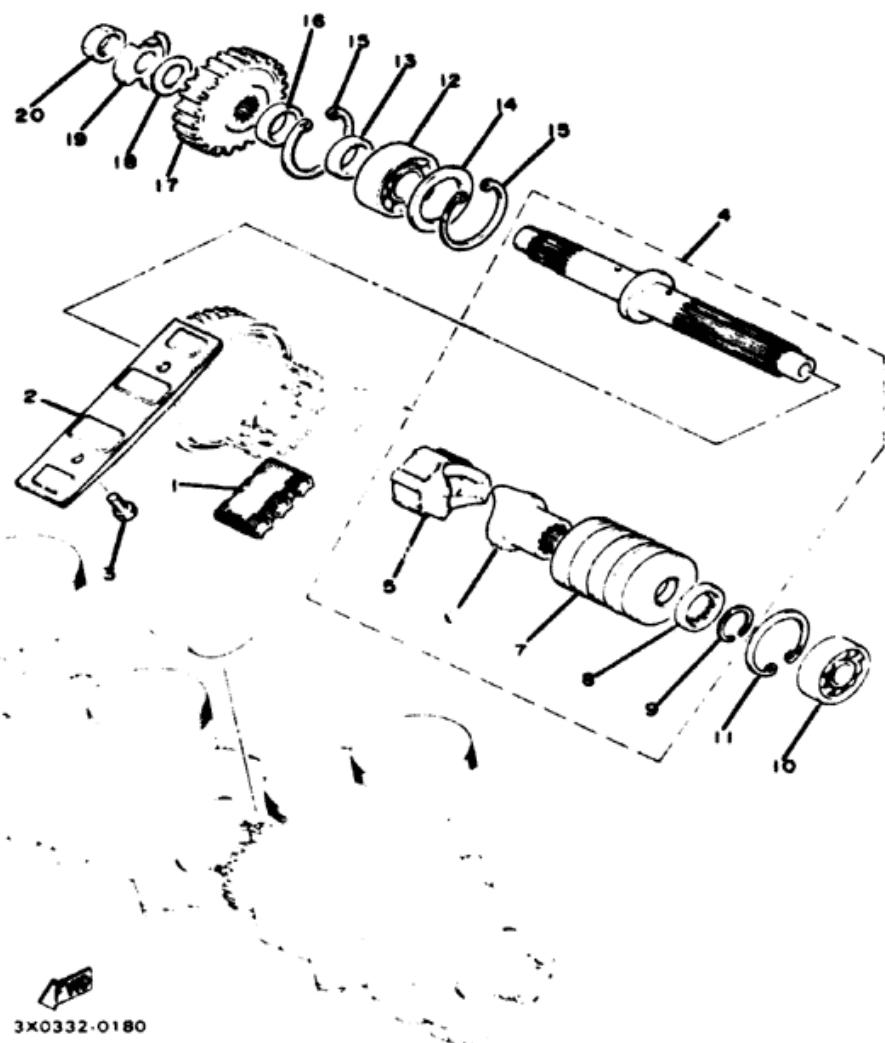
STARTER CLUTCH



Ref. No.	Part Number	Description	Qty.	Remarks
1	2H7-15512-00-00	GEAR, idler 1 (28T).....	1	
2	2H7-15521-00-00	SHAFT 1.....	1	
3	93420-17046-00	CIRCLIP	1	
4	2H7-15517-00-00	GEAR, idler 2 (47T).....	1	
5	90560-25174-00	SPACER	1	
6	2H7-15580-01-00	STARTER CLUTCH OUTER ASS'Y	1	
7	93615-17125-00	. PIN, dowel	3	
8	1J7-15583-01-00	. CAP, starter clutch spring	3	
9	90501-04503-00	. SPRING, compression.....	3	
10	2H7-11537-00-00	GEAR, driven (25T).....	1	
11	2H7-15589-00-00	PLATE, clutch cover.....	1	
12	90209-25169-00	WASHER	1	
13	91316-08018-00	BOLT	3	
14	2H7-15654-00-00	HOLDER, kick gear.....	1	
15	97301-08020-00	BOLT	3	


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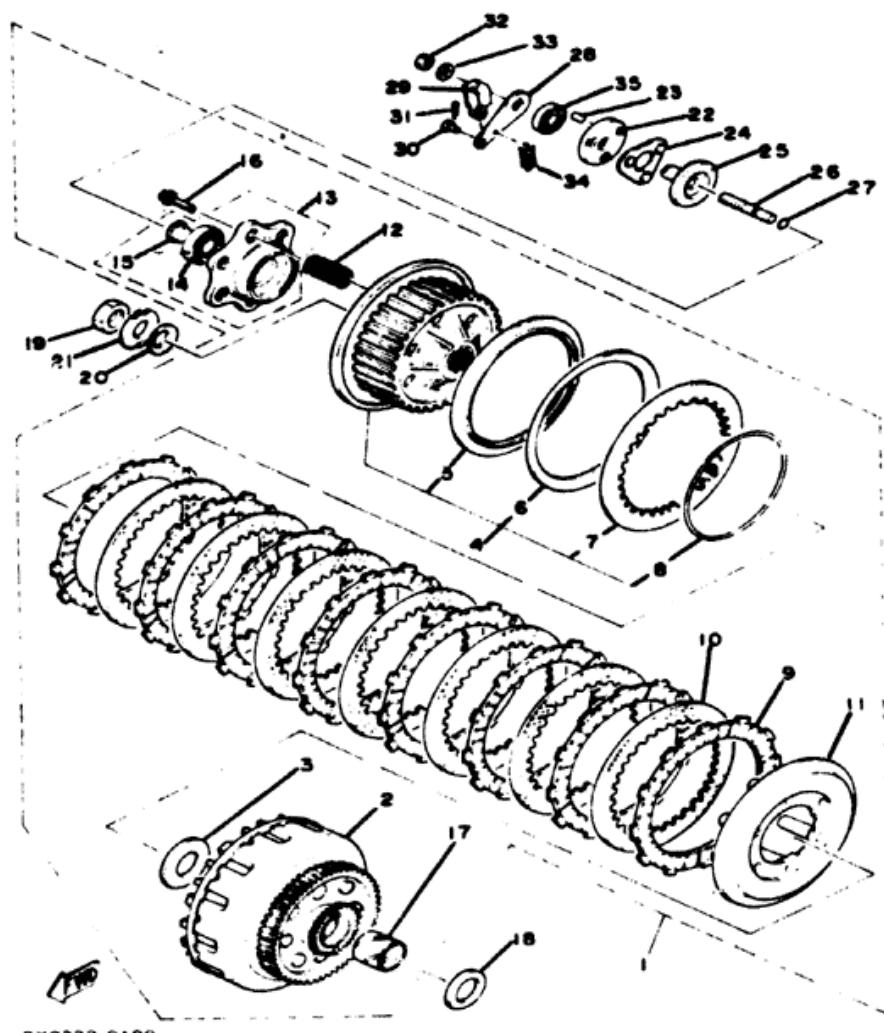
PRIMARY SHAFT - CHAIN



Ref. No.	Part Number	Description	Qty.	Remarks
1	2H7-16139-02-00	CHAIN, primary.....	1	
2	2H7-11474-00-00	GUIDE, upper.....	1	
3	97301-06016-00	BOLT	2	
4	2H7-16306-00-00	CLUTCH DAMPER ASS'Y	1	
5	2H7-16317-00-00	CAM, damper 1	1	
6	2H7-16315-00-00	CAM, damper 2	1	
7	2H7-16318-00-00	SPRING, damper	1	
8	2H7-11485-00-00	SPACER.....	1	
9	93440-25020-00	CIRCLIP.....	1	
10	93306-20432-00	BEARING	1	
11	93420-47010-00	CIRCLIP	1	
12	93306-20533-00	BEARING	1	
13	90387-443A8-00	COLLAR	1	
14	90201-36667-00	WASHER, plate.....	1	
15	93420-52014-00	CIRCLIP	2	
16	90387-253A7-00	COLLAR	1	
17	2H7-16111-01-00	GEAR, primary drive (35T).....	1	
18	90208-18025-00	WASHER, conical spring	1	
19	90215-19139-00	WASHER, lock.....	1	
20	90170-18221-00	NUT.....	1	

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CLUTCH

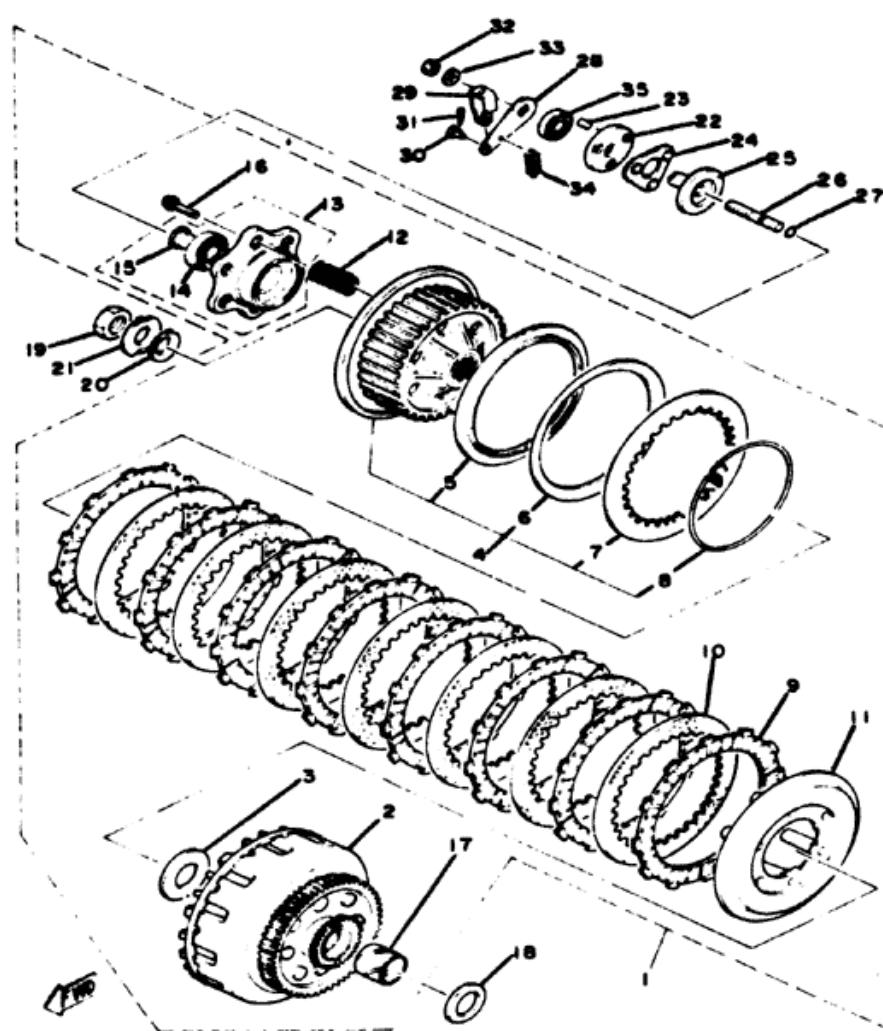


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Ref. No.	Part Number	Description	Qty.	Remarks
1	2H7-16301-01-00	CLUTCH ASS'Y.....	1	
2	2H7-16150-01-10	PRI. DRIVEN GEAR COMP. (34/58T).....	1	U.R. Type 1
	2H7-16150-01-20	PRI. DRIVEN GEAR COMP. (34/58T).....	1	U.R. Type 2
3	170-16164-00-00	PLATE, thrust 2	1	
4	2H7-16370-00-00	CLUTCH BOSS ASS'Y.....	1	
5	2H7-16384-00-00	PLATE, seat	1	
6	2H7-16383-00-00	SPRING, clutch boss	1	
7	2H7-16324-00-00	PLATE, clutch 1.....	1	
8	2H7-16385-00-00	RING, clutch boss.....	1	
9	341-16321-13-00	PLATE, friction	8	
10	2H7-16325-00-00	PLATE, clutch 2	7	
11	2H7-16352-00-00	PLATE, pressure 2	1	
12	90501-23142-00	SPRING, compression.....	6	
13	2H7-W1635-00-00	PRESSURE PLATE COMP. 1...	1	
14	93306-00304-00	BEARING (38003C4)	1	
15	2H7-16386-00-00	PIECE, clutch push.....	1	
16	95821-06025-00	BOLT, flange	6	
17	2H7-16181-00-10	SPACER 1.....	1	U.R. Type 1
	2H7-16181-00-20	SPACER 1.....	1	U.R. Type 2
18	360-16154-00-00	PLATE, thrust 1	1	

Clutch Nut	18 x 10: 7.0 m-kg
Clutch Friction Plate Thickness Std ~ Min	3.0 ~ 2.8mm
Clutch Spring Length Std ~ Min	42.8 ~ 41.8mm

CLUTCH

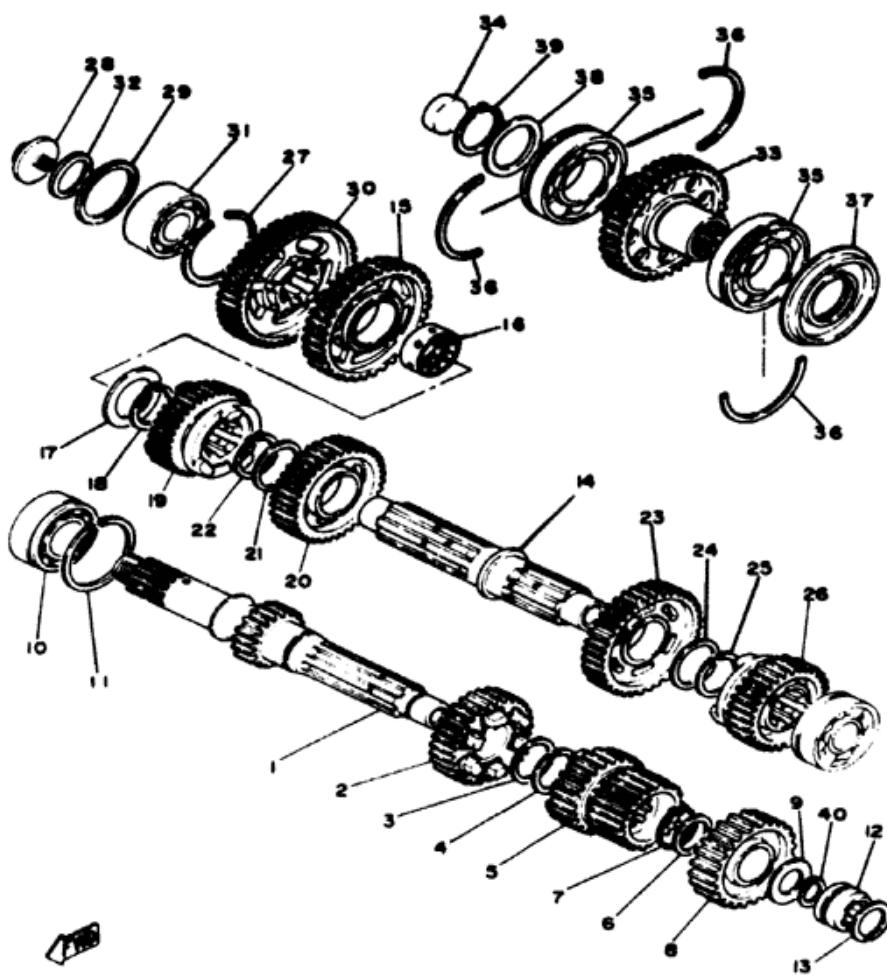


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Ref. No.	Part Number	Description	Qty.	Remarks
19	90170-18221-00	NUT.....	1	
20	90208-18025-00	WASHER, conical spring	1	
21	90215-19139-00	WASHER, lock.....	1	
22	2H7-16396-00-00	HOUSING, push screw	1	
23	93606-07082-00	PIN, dowel	1	
24	2H7-16395-01-00	RETAINER, ball	1	
25	2H7-16341-00-00	SCREW, push	1	
26	2H7-16343-00-00	SCREW, adjusting.....	1	
27	93210-48364-00	O-RING.....	1	
28	2H7-16342-00-00	LEVER, push	1	
29	1J7-16389-00-00	JOINT	1	
30	90240-06005-00	PIN, clevis	1	
31	91401-10010-00	PIN, cotter	1	
32	95301-08700-00	NUT.....	1	
33	92903-08200-00	WASHER, plain (92901-08200)	1	
34	90506-10069-00	SPRING, tension.....	1	
35	93104-14059-00	OIL SEAL	1	

Clutch Nut	18 x 1.0-70 m-kg
Clutch Friction Plate Thickness Std ~ Min	3.0 ~ 2.8mm
Clutch Spring Length Std ~ Min	42.8 ~ 41.8mm

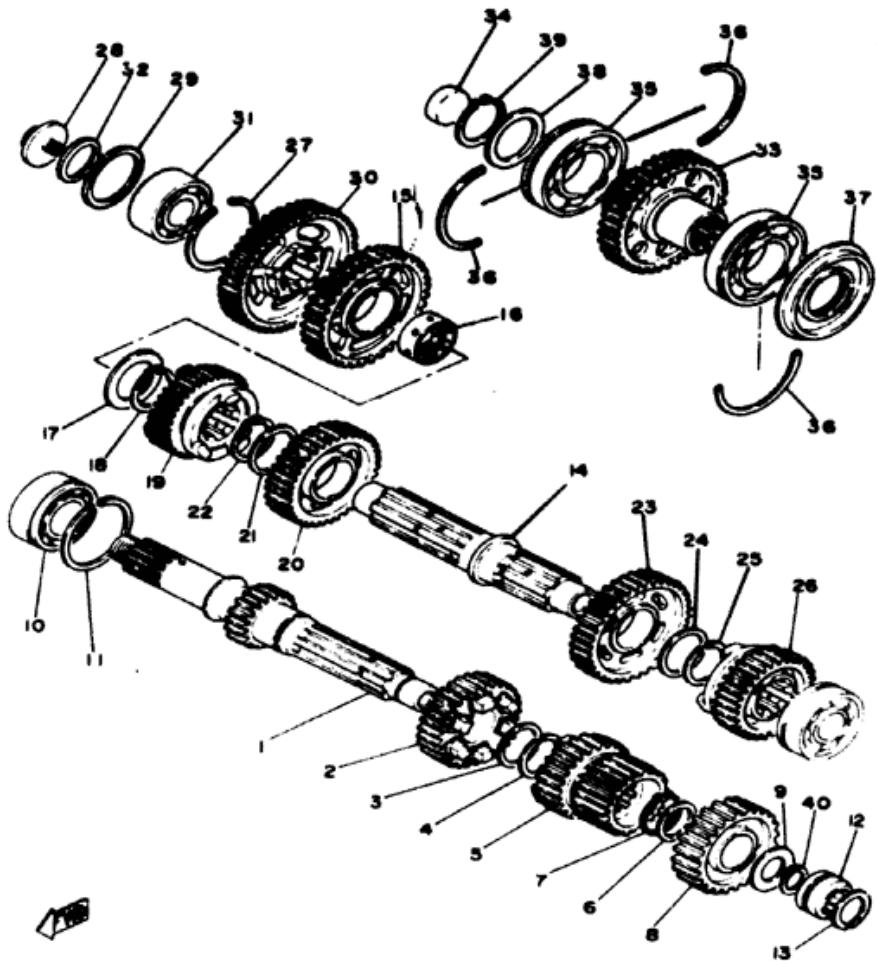
TRANSMISSION



Ref. No.	Part Number	Description	Qty.	Remarks
1	2H7-17401-00-00	MAIN AXLE COMP. (17T).....	1	
2	2H7-17141-01-00	GEAR, 4th pinion (31T)	1	
3	90201-28665-00	WASHER, plate	1	
4	93440-28062-00	CIRCLIP	1	
5	2H7-17121-00-00	GEAR, 2nd/3rd pinion (24/38T)	1	
6	90201-25287-00	WASHER, plate	1	
7	93410-25017-00	CIRCLIP	1	
8	2H7-17151-00-00	GEAR, 5th pinion (34T)	1	
9	2H7-17417-00-00	SHIM 1	1	
10	93305-20506-00	BEARING (B5205)	1	
11	93440-52014-00	CIRCLIP	1	
12	93311-52031-00	BEARING, cylindrical	1	
13	93440-32063-00	CIRCLIP	1	
14	2H7-17421-01-00	AXLE, drive	1	
15	2H7-17211-00-00	GEAR, 1st wheel (38T)	1	
16	2H7-17258-00-00	COLLAR 1	1	
17	90201-30666-00	WASHER, plate	1	
18	93410-30012-00	CIRCLIP	1	
19	2H7-17241-00-00	GEAR, 4th wheel (32T)	1	
20	2H7-17231-01-00	GEAR, 3rd wheel (36T)	1	

TRANSMISSION - Oil Type/Cyl Chg/Cyl Reassemble		See ENGINE Above
Primary Drive Type / Teeth	Ratio	Spur Gear / 25-25 x 58-36 / 1.657
Secondary Drive Type / Teeth / Chain		Shaft / 44-47 x 19-18 x 33-10 / 3.261
Oiling System		Wet Sump
Capacity: Dry		4000cc
Oil and Filter Change		3500cc
Oil Change		3000cc
Lubricant: Temp. Above 5°C (40°F)		Yamalube 4 [°] or SAE 20W40 SE

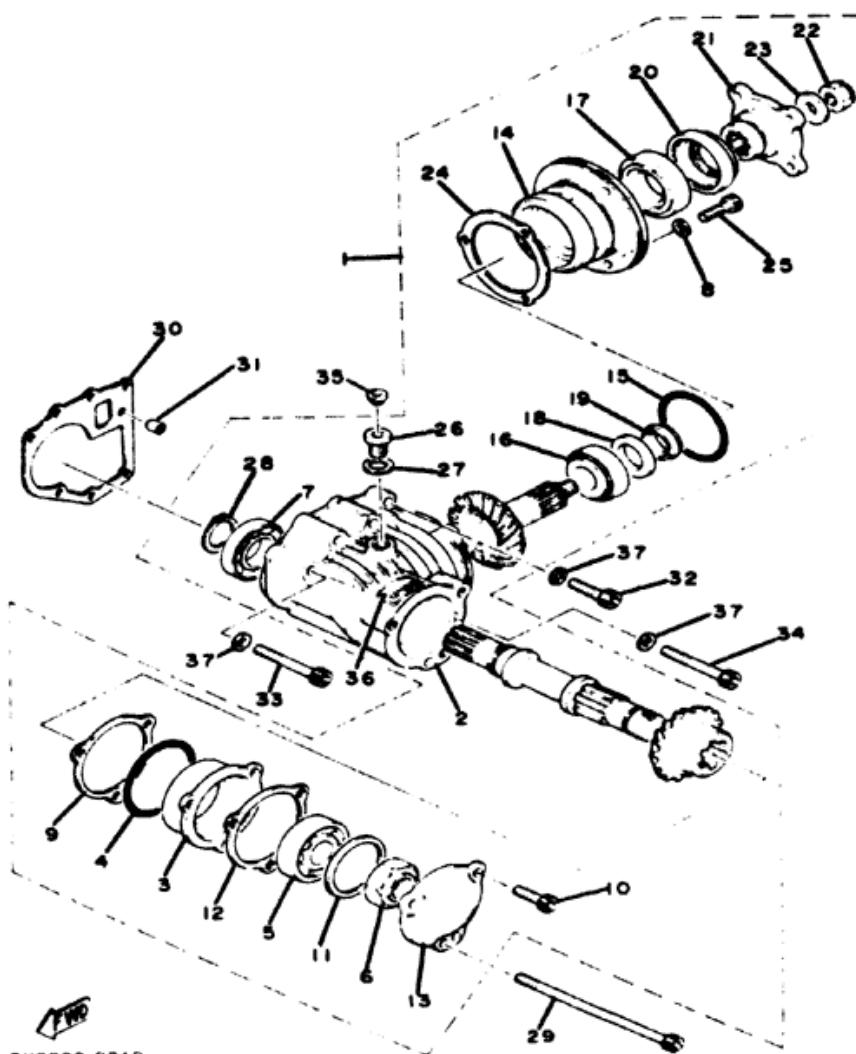
TRANSMISSION



Ref. No.	Part Number	Description	Qty.	Remarks
21	90201-30398-00	WASHER, plate	1	
22	93410-30012-00	CIRCLIP	1	
23	2H7-17221-01-00	GEAR, 2nd wheel (39T)	1	
24	90201-30398-00	WASHER, plate	1	
25	93440-30015-00	CIRCLIP	1	
26	2H7-17251-00-00	GEAR, 5th wheel (30T)	1	
27	93450-52010-00	CIRCLIP	1	
28	90105-10085-00	BOLT, washer based.....	1	
29	90201-252A4-00	WASHER, plate	1	
30	2H7-17582-00-00	GEAR, middle drive (47T).....	1	
31	93306-20533-00	BEARING	1	
32	90387-443A8-00	COLLAR	1	
33	2H7-17583-00-00	GEAR, middle driven (44T)	1	
34	90331-27013-00	PLUG	1	
35	93306-20705-00	BEARING (B6207N)	2	
36	93440-72049-00	CIRCLIP	3	
37	93103-35105-00	OIL SEAL	1	
38	90201-35668-00	WASHER, plate	1	
39	93410-35027-00	CIRCLIP	1	
40	93410-20009-00	CIRCLIP	1	

TRANSMISSION - Oil Type/Cyl Chg/Cyl Reassemble	See ENGINE Above
Primary Drive Type / Teeth / Ratio	Spur Gear / 25-25 x 58-35 / 1.657
Secondary Drive Type / Teeth / Chain	Shaft / 44-47 x 19-18 x 33-10 / 3.261
Oiling System	Wet Sump
Capacity: Dry	4000cc
Oil and Filter Change	3500cc
Oil Change	3000cc
Lubricant: Temp. Above 5°C (40°F)	Vamatube 4° or SAE 20W40 SE
Temp. Below 15°C (60°F)	SAE 10W30 SE

MIDDLE DRIVE GEAR



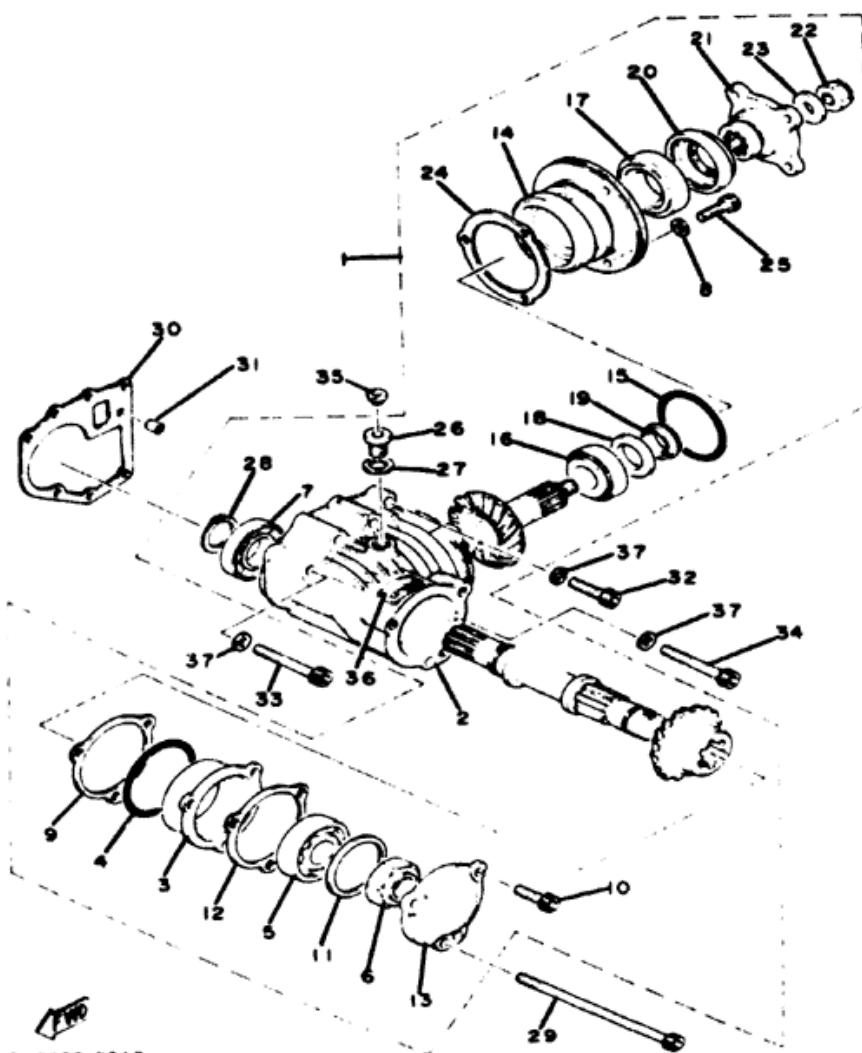
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Ref. No.	Part Number	Description	Qty.	Remarks
* 1	2H7-17501-NO-00	MIDDLE GEAR CASE ASS'Y (2H7-17501-00)	1	
2	2H7-17511-00-00	HOUSING, middle gear	1	
3	2H7-17521-00-00	HOUSING, bearing	1	
4	93210-86347-00	O-RING	1	
5	93306-30520-00	BEARING (B6305RBI)	1	
6	90179-24230-00	NUT	1	
7	93306-00608-00	BEARING (B6006)	1	
8	90201-08675-00	WASHER, plate	3	
9	1J7-17531-Y0-10	SHIM, pinion (0.10T)	1	U.R.
	1J7-17531-Y0-15	SHIM, pinion (0.15T)	1	U.R.
	1J7-17531-Y0-30	SHIM, pinion (0.30T)	1	U.R.
10	91311-08030-00	BOLT	3	
11	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.
12	1J7-17519-Y0-00	GASKET, housing cap	1	
13	2H7-17538-00-00	CAP, housing	1	
14	2H7-17551-00-00	HOUSING, bearing	1	
15	93210-71360-00	O-RING	1	
16	93332-00028-00	BEARING	1	
17	93332-00024-00	BEARING	1	
18	90201-25634-00	WASHER, plate	1	

*Indicates new part numbers activated from March, 1983.

Middle Gear Case Capacity	375cc
Primary Drive Type / Teeth / Ratio	Spur Gear / 25-25 x 56-36 / 1.667
Secondary Drive Type / Teeth / Chain	Shaft / 44-47 x 19-18 x 33-10 / 3.261

MIDDLE DRIVE GEAR

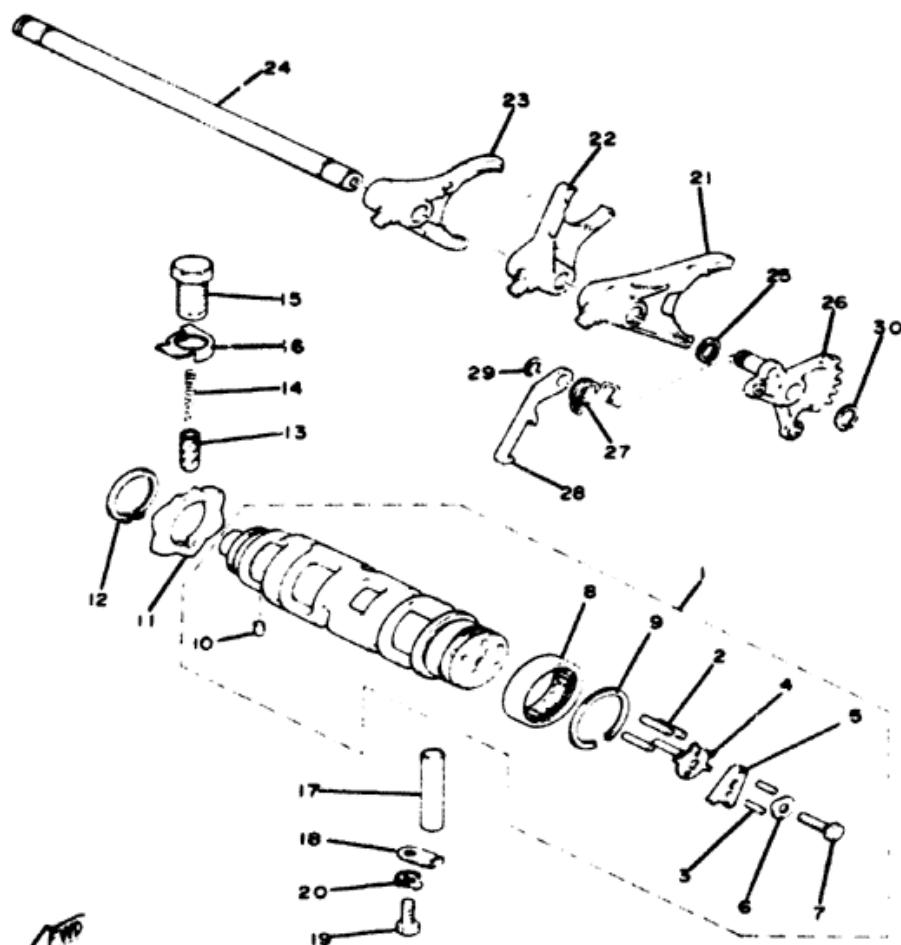


3X0332-0210

Ref. No.	Part Number	Description	Qty.	Remarks
19	2H7-17571-01-00	. SPACER, expansion.....	1	
20	93101-35085-00	. OIL SEAL.....	1	
21	1J7-7555-Y0-00	. FLANGE, middle gear	1	
22	90185-14070-00	. NUT, self-locking.....	1	
23	90201-14633-00	. WASHER, plate	1	
24	2H7-17531-00-10	. SHIM, pinion (0.10T).....	1	U.R.
	2H7-17531-00-15	. SHIM, pinion (0.15T).....	1	U.R.
	2H7-17531-00-30	. SHIM, pinion (0.30T).....	1	U.R.
25	91311-08030-00	. BOLT	3	
26	90340-14046-00	. PLUG, straight screw	1	
27	214-11198-01-00	. GASKET.....	1	
28	93410-30012-00	. CIRCLIP.....	1	
29	90110-08021-00	BOLT, hexagon socket head	1	
30	1J7-17518-00-00	GASKET, middle gear case	1	
31	91830-21014-00	PIN, dowel	1	
32	91311-08035-00	BOLT	1	
33	91311-08065-00	BOLT	3	
34	91311-08105-00	BOLT	2	
35	341-23469-00-00	CAP, bolt	1	
36	1J7-46181-11-00	LABEL, oil caution.....	1	
37	90201-08675-00	WASHER, plate.....	6	

Primary Drive Type / Teeth / Ratio	Spur Gear / 25-25 x 58-36 / 1.667
Secondary Drive Type / Teeth / Chain	Shaft / 44-47 x 19-18 x 33-10 / 3.261
Middle Gear Case Capacity	375cc

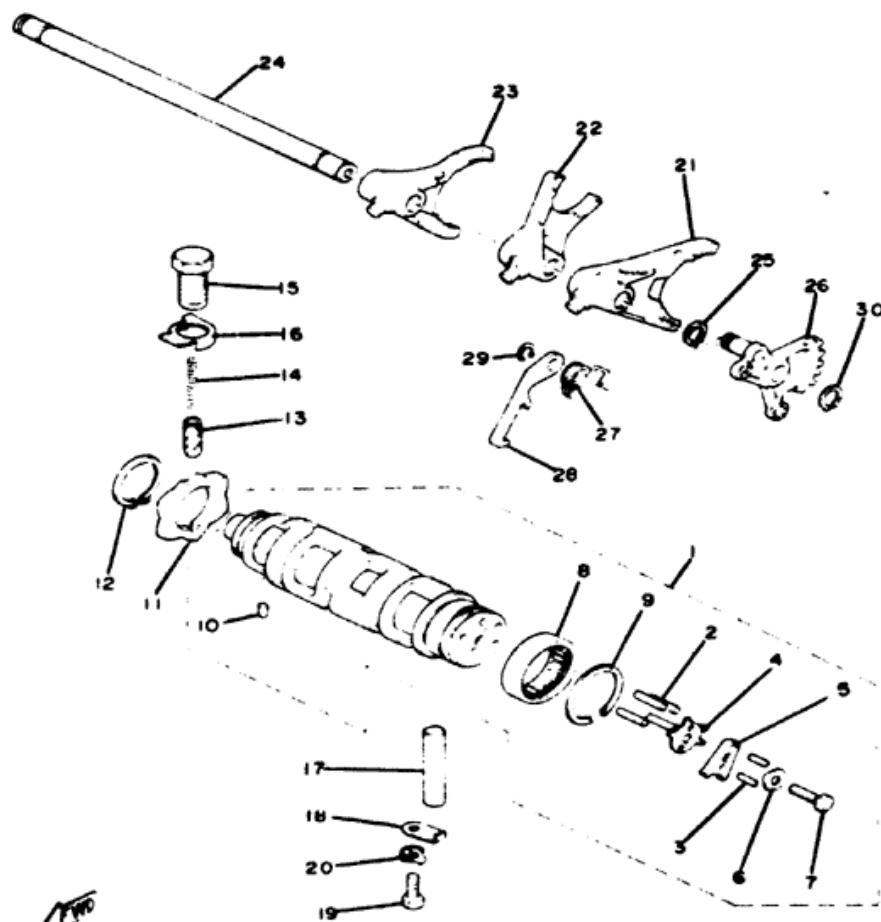
SHIFT CAM - FORK



Ref. No.	Part Number	Description	Qty.	Remarks
1	2H7-18540-00-00	SHIFT CAM ASS'Y.....	1	
2	93604-18058-00	. PIN, dowel	4	
3	93603-10049-00	. PIN, dowel	2	
4	2H7-18561-00-00	. PLATE, side 1.....	1	
5	2H7-18566-00-00	. PLATE, side 2.....	1	
6	90215-05140-00	. WASHER, lock.....	1	
7	97318-05020-00	. BOLT	1	
8	93315-23612-00	. BEARING, cylindrical.....	1	
9	93440-34025-00	. CIRCLIP.....	1	
10	93604-08071-00	. PIN, dowel	1	
11	2J2-18141-00-00	PLATE, stopper	1	
12	93410-30012-00	CIRCLIP	1	
13	1J7-18547-00-00	STOPPER, cam	1	
14	90501-10196-00	SPRING, compression	1	
15	90149-14117-00	SCREW.....	1	

3KC332 0220

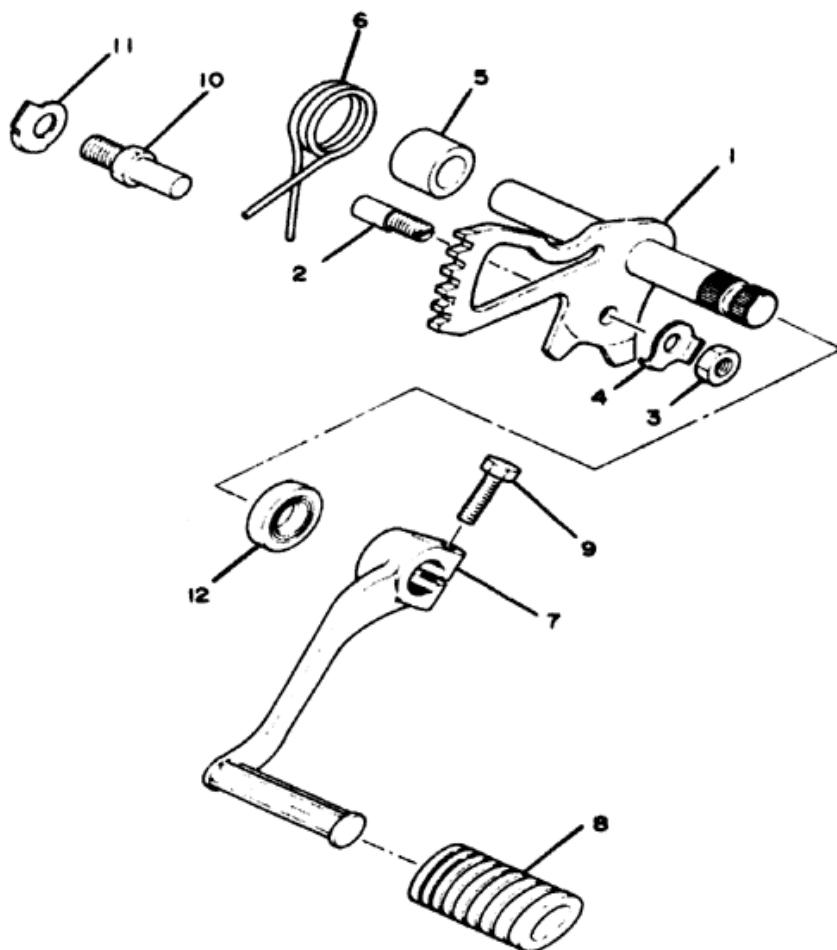
SHIFT CAM - FORK



Ref. No.	Part Number	Description	Qty.	Remarks
16	90215-15141-00	WASHER, lock.....	1	
17	93608-52138-00	PIN, dowel	1	
18	2H7-15531-00-00	PLATE, stopper	1	
19	97301-06016-00	BOLT	1	
20	90215-06040-00	WASHER, lock.....	1	
21	2H7-18511-00-00	FORK, shift 1.....	1	
22	2H7-18512-00-00	FORK, shift 2.....	1	
23	2H7-18513-00-00	FORK, shift 3.....	1	
24	2H7-18531-01-00	BAR, shift fork guide 1.....	1	
25	93410-12003-00	CIRCLIP	1	
26	2H7-18122-00-00	LEVER, shift 2	1	
27	90508-10362-00	SPRING, torsion	1	
28	2H7-18151-00-00	LEVER, shift 3	1	
29	93440-08001-00	CIRCLIP	1	
30	93410-12003-00	CIRCLIP	1	

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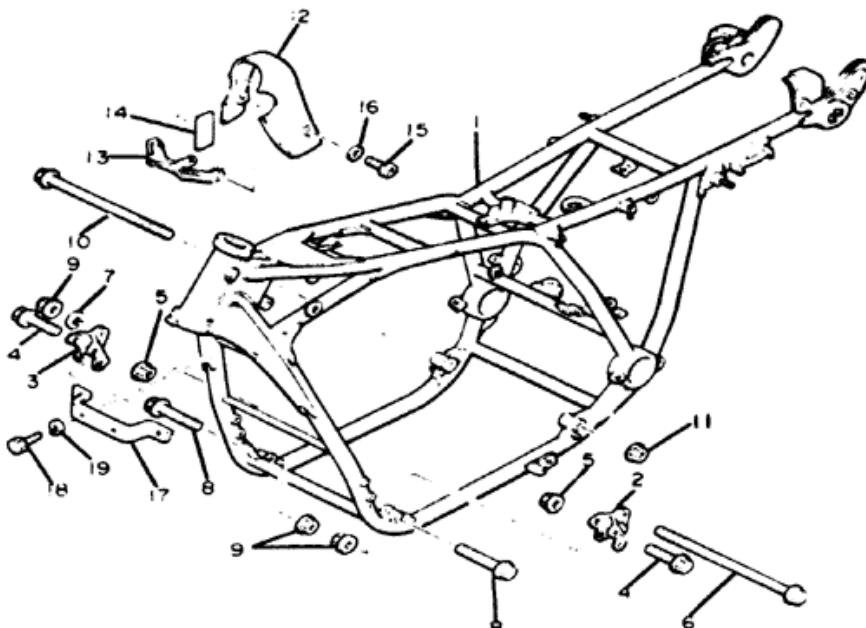
SHIFT SHAFT - PEDAL



Ref. No.	Part Number	Description	Qty.	Remarks
1	2H7-18101-00-00	SHIFT SHAFT ASS'Y	1	
2	90149-06017-00	SCREW.....	1	
3	95301-06600-00	NUT.....	1	
4	90215-06016-00	WASHER, lock.....	1	
5	90560-11026-00	SPACER	1	
6	90508-29361-00	SPRING, torsion	1	
7	2H7-18111-00-00	PEDAL, shift.....	1	
8	132-18113-01-00	COVER, shift pedal.....	1	
9	97301-06020-00	BOLT	1	
10	90109-08441-00	BOLT	1	
11	90215-08115-00	WASHER, lock.....	1	
12	93102-12106-00	OIL SEAL	1	

FWD
3J6110-0220

FRAME



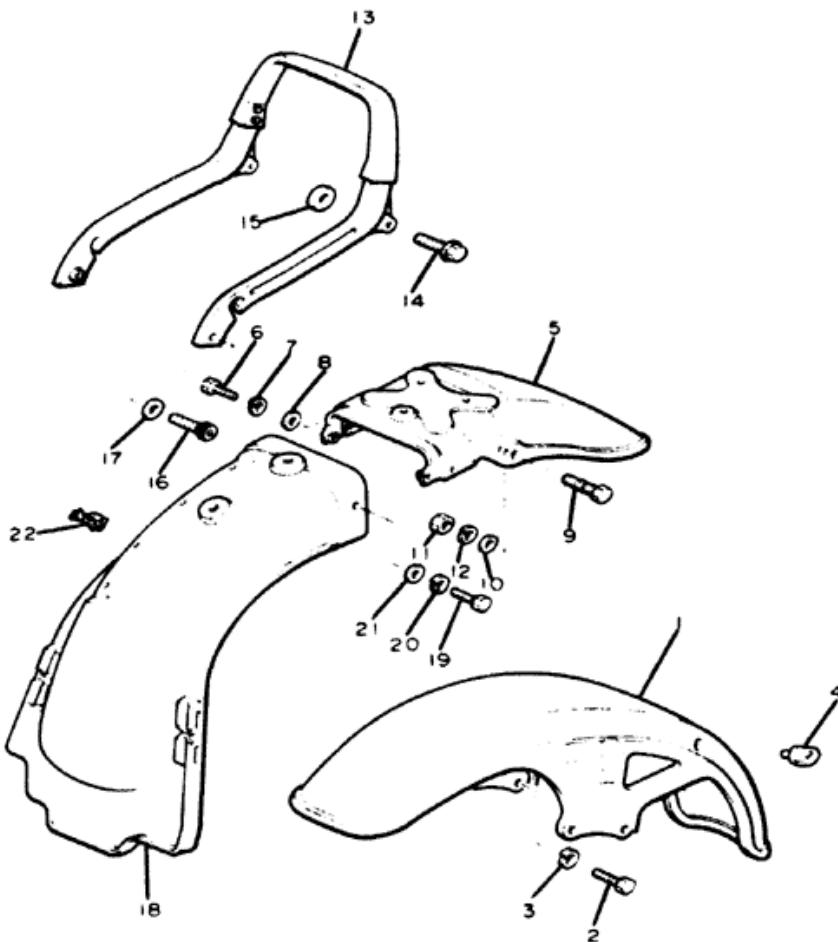
Ref. No.	Part Number	Description	Qty.	Remarks
1	10M-21110-00-98	FRAME COMP.....	1	Low Gloss Black
2	3H3-21315-00-00	STAY, engine 2	1	
3	3H3-21316-00-00	STAY, engine 3	1	
4	90105-08107-00	BOLT, washer based.....	4	
5	90179-08246-00	NUT.....	4	
6	90105-10056-00	BOLT, washer based.....	1	
7	92903-10100-00	WASHER, spring (92901-10100)	1	
8	90105-10105-00	BOLT, washer based.....	2	
9	90179-10247-00	NUT.....	3	
10	90105-12108-00	BOLT, washer based.....	1	
11	90179-12248-00	NUT.....	1	
12	3H3-2139R-00-00	COVER 2	1	
13	4R0-2139T-00-00	BRACKET, cover	1	
14	3H3-2139U-00-00	DAMPER 2.....	2	
15	98506-05012-00	SCREW, pan head.....	2	
16	92906-05200-00	WASHER, plain	2	
17	10M-2134Y-00-00	STAY, horn.....	1	
18	97306-08018-00	BOLT	2	
19	92906-08100-00	WASHER, spring	2	

FWD

11G171 2230

Initial Engine Number / Frame Number	10M-000104 / 10M-000104
Engine Mounting Bolts: Front, Upper	10 x 1.25: 5.5 m-kg
Front, Lower	10 x 1.25: 6.7 m-kg
Rear	12 x 1.25: 10.0 m-kg

FRONT FENDER - REAR FENDER

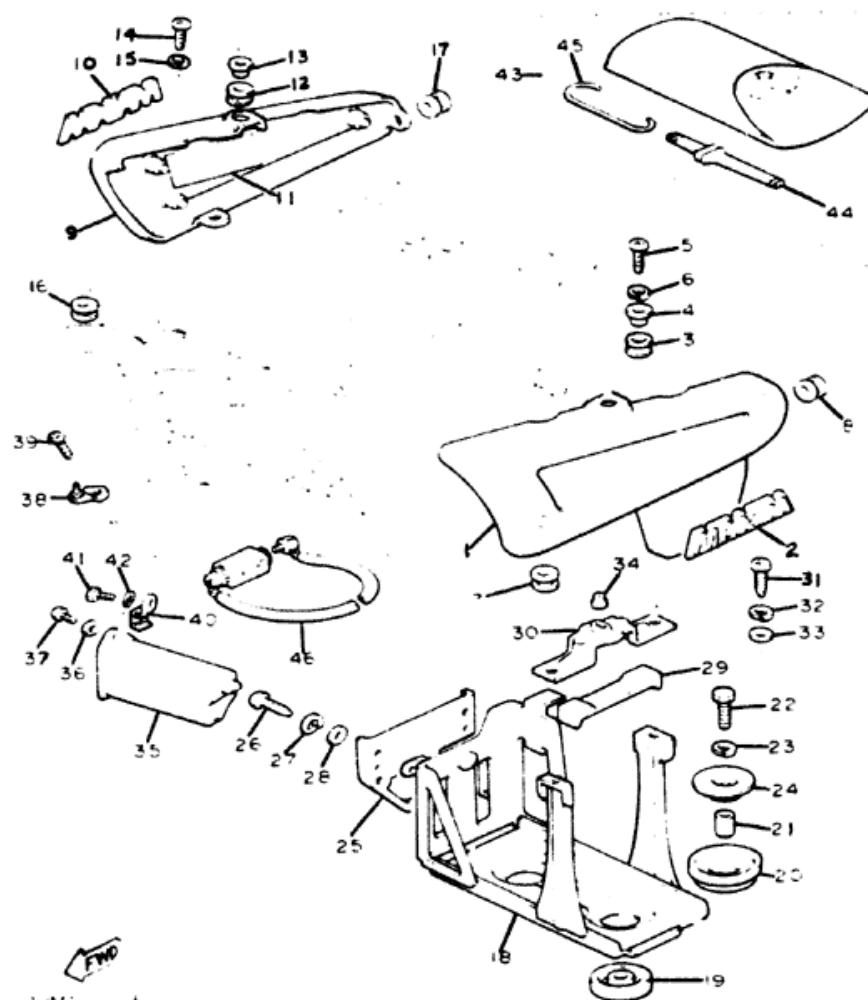


Ref. No.	Part Number	Description	Qty.	Remarks
1	10M-21510-00-93	FRONT FENDER COMP.....	1	Chrome Plated
2	97301-08020-00	BOLT	4	
3	92903-08100-00	WASHER, spring (92901-08100)	4	
4	1A0-21518-00-00	HOLDER, cable	1	
5	10M-21610-00-93	REAR FENDER COMP.....	1	Chrome Plated
6	97301-06016-00	BOLT	2	
7	92903-06100-00	WASHER, spring (92902-06100)	2	
8	92901-06600-00	WASHER (92902-06600).....	2	
9	97303-10030-00	BOLT (97301-10030)	2	
10	92901-10600-00	WASHER, plate	2	
11	95301-10600-00	NUT (95302-10600)	2	
12	92903-10100-00	WASHER, spring (92901-10100)	2	
13	10M-21640-00-00	REAR STAY COMP.....	1	
14	91316-08020-00	BOLT	2	
15	341-23469-00-00	CAP, bolt	2	
16	95821-08025-00	BOLT, flange.....	2	
17	90201-090F4-00	WASHER, plate	2	
18	10M-21629-00-00	GUARD, mud	1	
19	97301-06012-00	BOLT (97302-06012)	2	
20	92903-06100-00	WASHER, spring (92902-06100)	2	
21	90201-06755-00	WASHER, plate	2	
22	90464-16025-00	CLAMP	3	

FWD

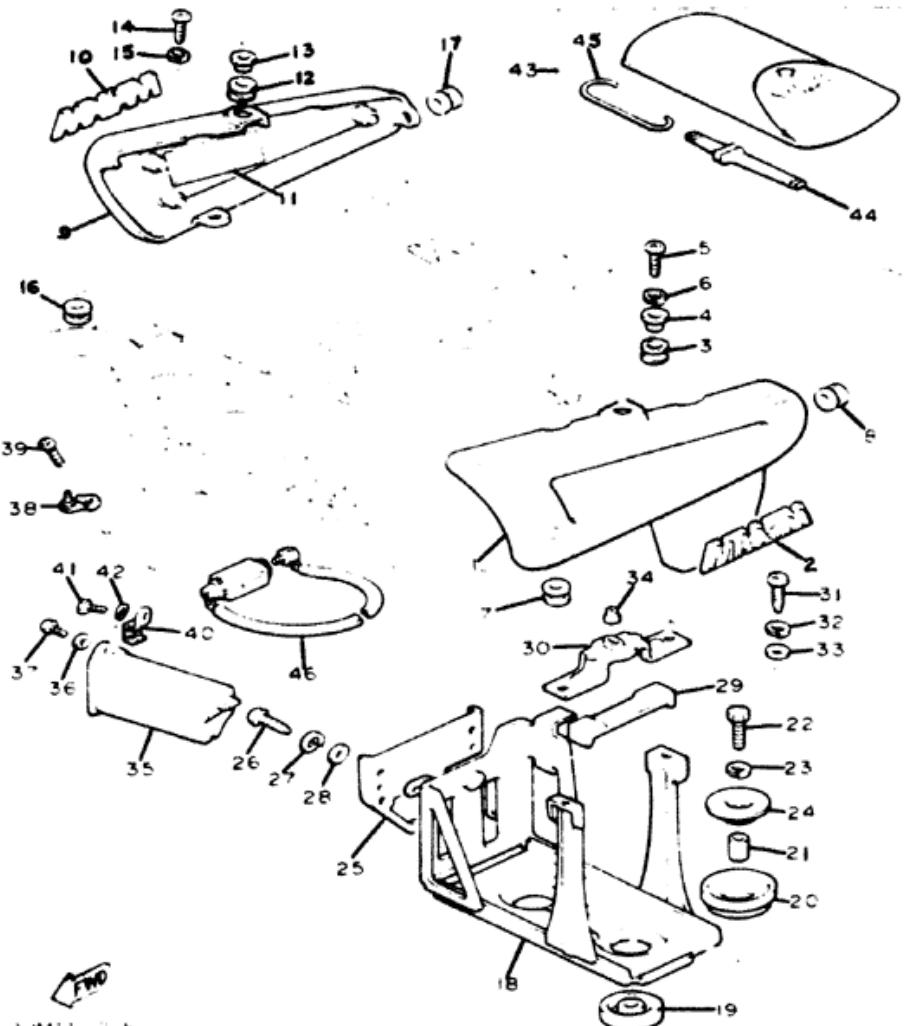
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SIDE COVER - TOOL



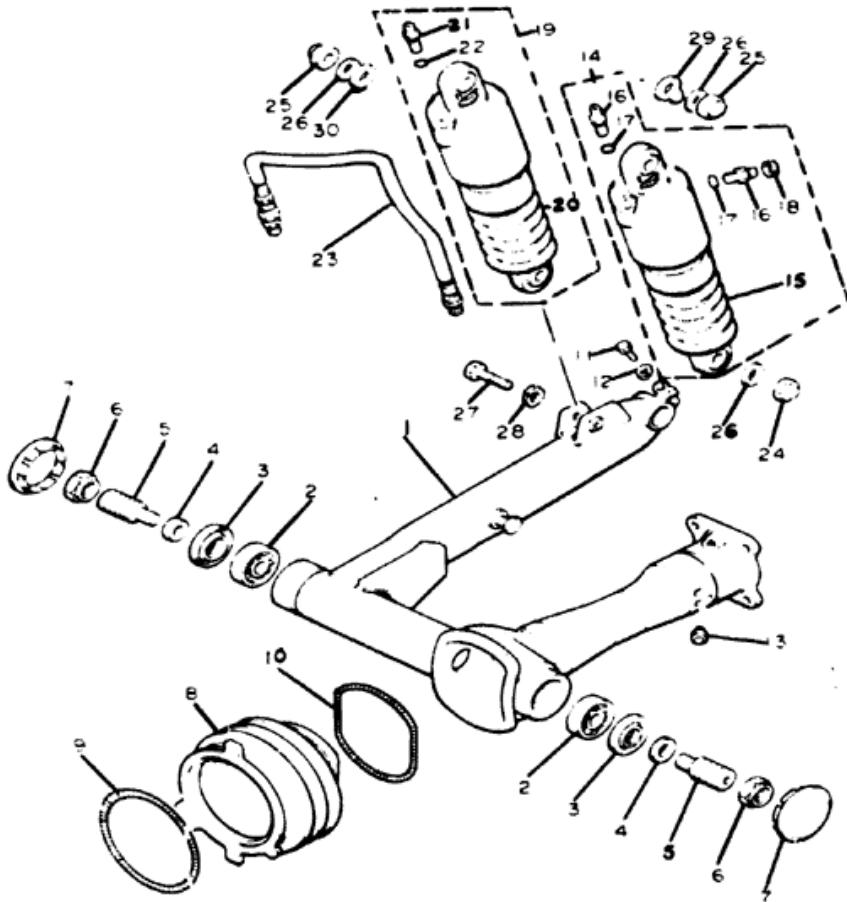
Ref. No.	Part Number	Description	Qty.	Remarks
1	10M-21710-00-6G SIDE COVER ASS'Y 1	1	1	U.R. New Yamaha Blk
	10M-21710-00-7J SIDE COVER ASS'Y 1	1	1	U.R. New Ruby Red
2	10M-21781-00-00 EMBLEM 1.....	1	1	
3	90480-10297-00 GROMMET.....	1	1	
4	90387-06024-00 COLLAR	1	1	
5	92503-06020-00 SCREW, pan head (92501-06020)	1	1	
6	92903-06100-00 WASHER, spring (92902-06100)	1	1	
7	90480-01176-00 GROMMET.....	1	1	
8	90480-11224-00 GROMMET.....	1	1	
9	10M-21720-00-6G SIDE COVER ASS'Y 2	1	1	U.R. New Yamaha Blk
	10M-21720-00-7J SIDE COVER ASS'Y 2	1	1	U.R. New Ruby Red
10	10M-21782-00-00 EMBLEM 2.....	1	1	
11	10M-21683-01-00 PLATE, specification.....	1	1	
12	90480-10297-00 GROMMET.....	1	1	
13	90387-06024-00 COLLAR	1	1	
14	92503-06020-00 SCREW, pan head (92501-06020)	1	1	
15	92903-06100-00 WASHER, spring (92902-06100)	1	1	
16	90480-01176-00 GROMMET.....	1	1	
17	90480-11224-00 GROMMET.....	1	1	
18	10M-21170-01-00 BOX COMP.....	1	1	
19	10M-21746-01-00 DAMPER.....	2	2	
20	10M-21747-00-00 DAMPER.....	2	2	
21	90387-064A5-00 COLLAR	1	1	
22	97301-06025-00 BOLT (97302-06025)	2	2	

SIDE COVER - TOOL



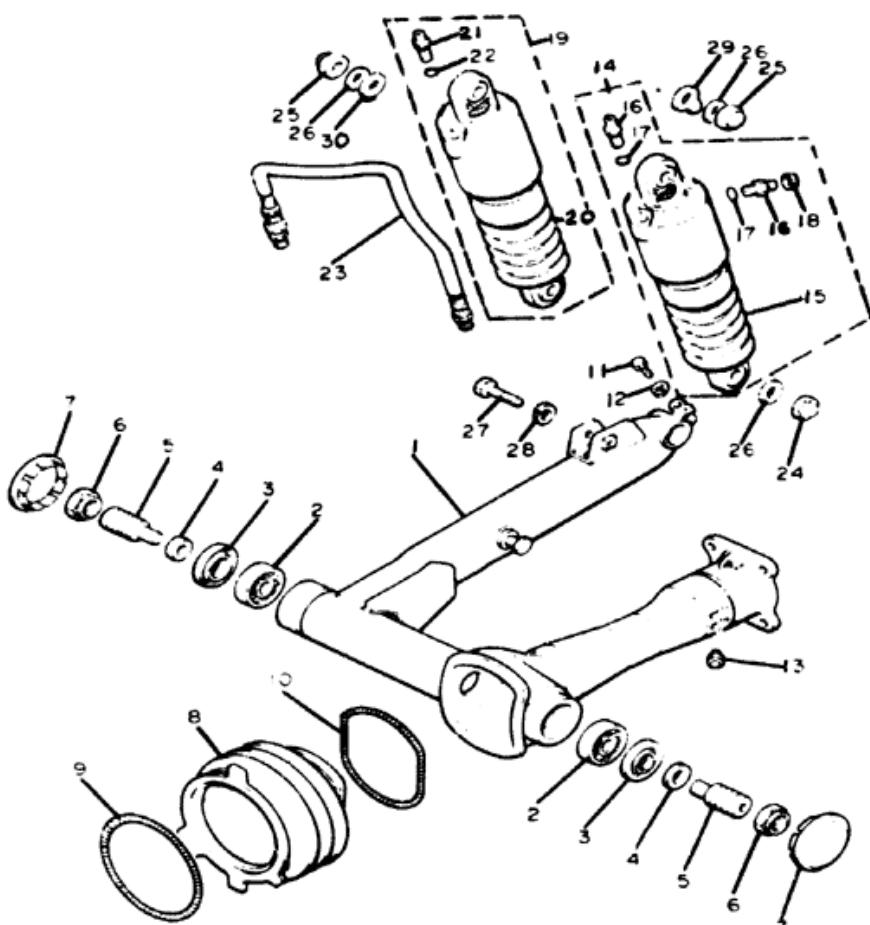
Ref. No.	Part Number	Description	Qty.	Remarks
23	92903-06100-00	WASHER, spring (92902-06100)	2	
24	90480-17218-00	GROMMET.....	1	
25	10M-21543-01-00	PLATE 1	1	
26	98503-05012-00	SCREW, pan head (98502-05012)	2	
27	92903-05100-00	WASHER, spring (92902-05100)	2	
28	92901-05600-00	WASHER, plate.....	2	
29	10M-21778-00-00	DAMPER, locating 1.....	1	
30	10M-2177G-00-00	BOX, battery.....	1	
31	92503-06012-00	SCREW, pan head (92501-06012)	2	
32	92903-06100-00	WASHER, spring (92902-06100)	2	
33	92901-06600-00	WASHER (92902-06600).....	2	
34	90480-12292-00	GROMMET.....	1	
35	4R0-21258-00-00	BOX.....	1	
36	90201-062A8-00	WASHER, plate.....	1	
37	92506-06016-00	SCREW, pan head.....	1	
38	4R0-2175H-01-00	STAY, lock	1	
39	91316-06012-00	BOLT	1	
40	4R0-2172E-00-00	STAY, side cover 1	1	
41	97306-06012-00	BOLT	1	
42	92906-06100-00	WASHER, spring.....	1	
43	3H3-28100-00-00	TOOL KIT (3H3-28100-10).....	1	
44	2H7-2815A-00-00	GAUGE, oil level.....	1	
45	3H3-2814A-00-00	TOOL, wire	1	
46	4R0-W2171-00-00	WHEEL LOCK ASS'Y	1	

REAR ARM - SUSPENSION



Ref. No.	Part Number	Description	Qty.	Remarks
1	10M-22110-01-98	REAR ARM COMP.	1	Low Gloss Blk
2	93332-00010-00	BEARING	2	
3	93102-25017-00	OIL SEAL	2	
4	90387-17543-00	COLLAR	2	
5	1J7-22141-00-00	SHAFT, pivot	2	
6	1J7-22143-00-00	NUT	2	
7	2H7-2219X-00-00	COVER	2	
8	2H7-22189-00-00	BOOT, rubber	1	
9	90506-07136-00	SPRING, tension	1	
10	90506-07135-00	SPRING, tension	1	
11	97306-08035-00	BOLT	1	
12	92906-08100-00	WASHER, spring	1	
13	93700-06004-00	NIPPLE, grease	1	
14	10M-22203-00-00	REAR SHOCK ABSORBER 1 ...	1	
15	10M-22263-00-00	BOOT, rear shock absorber ...	1	
16	4V4-23190-L0-00	AIR VALVE COMP (3J2-23190-00)	2	
17	3J2-23147-00-00	O-RING	2	
18	10M-23184-00-00	CAP, air valve	1	

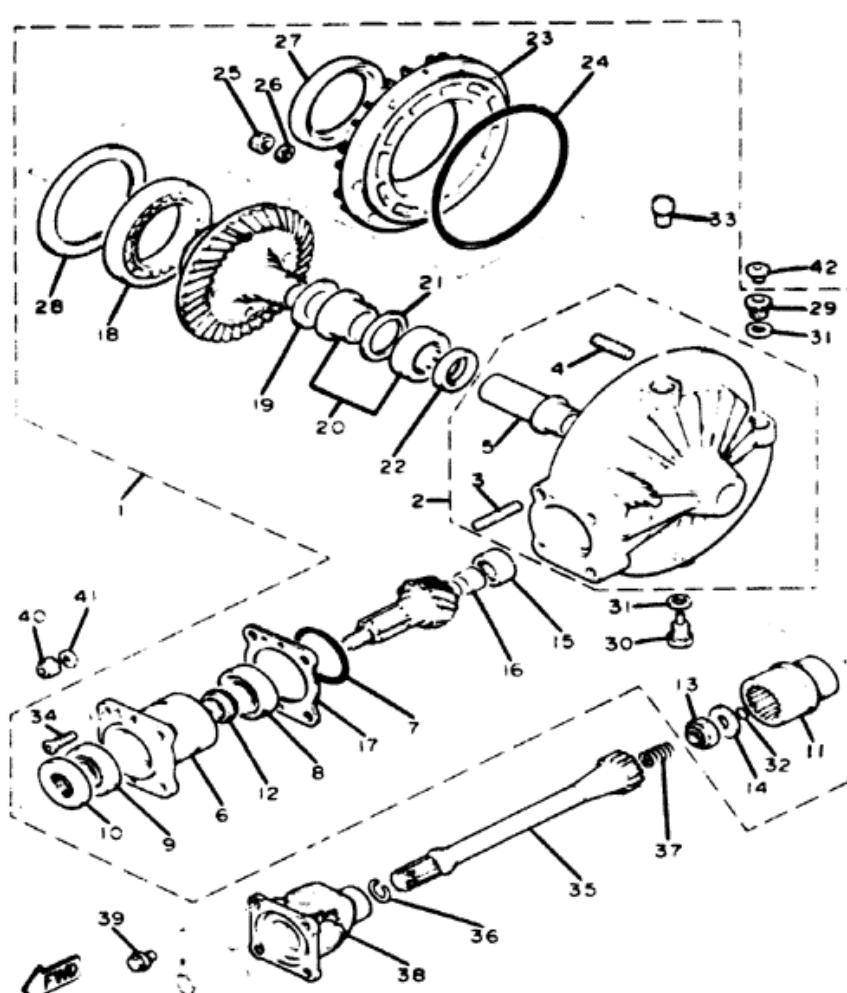
REAR ARM - SUSPENSION



Ref. No.	Part Number	Description	Qty.	Remarks
19	10M-22204-00-00	REAR SHOCK ABSORBER 2 ...	1	
20	10M-22263-00-00	. BOOT, rear shock absorber ...	1	
21	4V4-23190-L0-00	. AIR VALVE COMP (3J2-23190-00).....	1	
22	3J2-23147-00-00	. O-RING	1	
23	10M-22255-00-00	HOSE, joint.....	1	
24	90176-10013-00	NUT, crown	1	
25	90176-10009-00	NUT, crown	2	
26	90201-10142-00	WASHER, plate.....	3	
27	90106-10030-00	BOLT	1	
28	92903-10100-00	WASHER, spring.....	1	
29	4H7-22243-00-00	WASHER 1.....	1	
30	4H7-22244-00-00	WASHER 2.....	1	

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DRIVE SHAFT

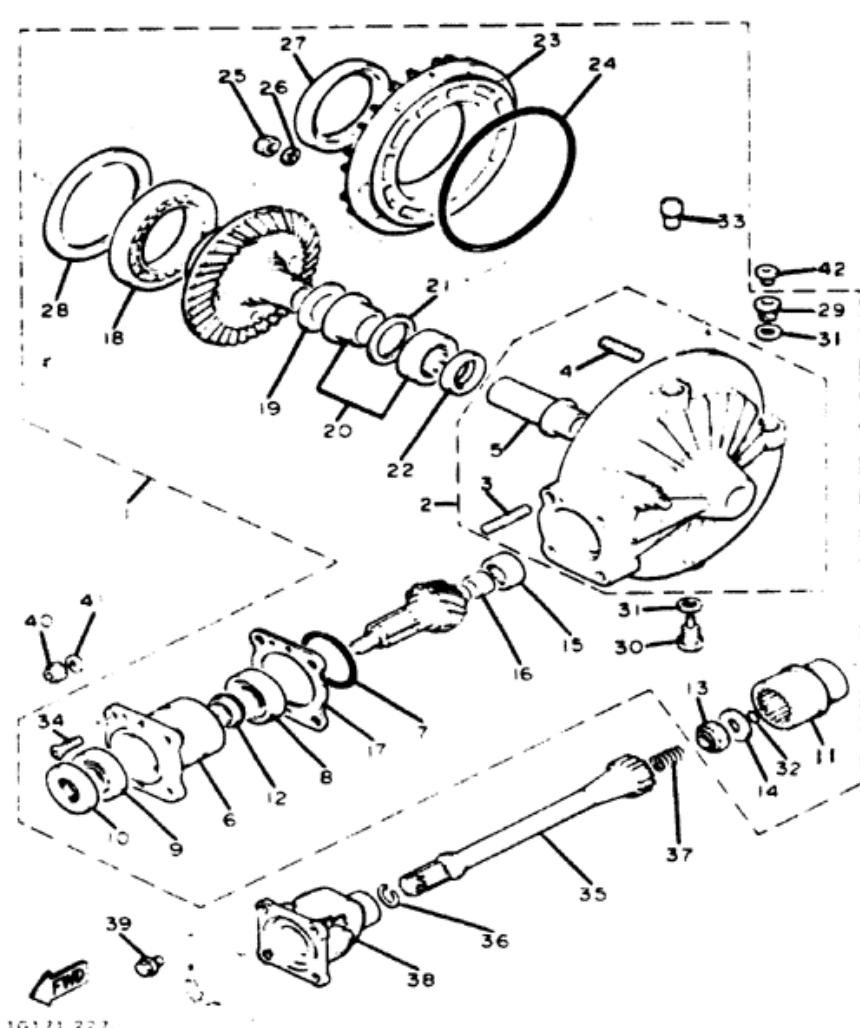


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Ref. No	Part Number	Description	Qty.	Remarks
1	4R0-46101-00-00	REAR AXLE GEAR CASE ASS'Y	1	
2	4R0-46150-00-00	DRIVESHAFT HOUSING COMP	1	
3	90116-10359-00	. . BOLT, stud.....	4	
4	90116-08360-00	. . BOLT, stud.....	10	
5	1J7-46153-Y0-00	. . COLLAR, guide	1	
6	2H7-46124-01-00	. . HOUSING, bearing.....	1	
7	93210-58348-00	. . O-RING	1	
8	93332-00027-00	. . BEARING.....	1	
9	93332-00023-00	. . BEARING.....	1	
10	93101-38086-00	. . OIL SEAL.....	1	
11	2H7-46123-00-00	. . COUPLING, gear	1	
12	1J7-46129-Y1-00	. . SPACER, expansion.....	1	
13	90185-14070-00	. . NUT, self-locking	1	
14	90201-14664-00	. . WASHER, plate	1	
15	93317-41510-00	. . BEARING, cylindrical.....	1	
16	2H7-46122-00-00	. . RACE, inner.....	1	
17	1J7-46127-Y0-30	. . SHIM (0.30T)	1	U.R.
	1J7-46127-Y0-35	. . SHIM (0.35T)	1	U.R.
	1J7-46127-Y0-40	. . SHIM (0.40T)	1	U.R.
	1J7-46127-Y0-45	. . SHIM (0.45T)	1	U.R.
	1J7-46127-Y0-50	. . SHIM (0.50T)	1	U.R.
18	93316-01403-00	. . BEARING, cylindrical.....	1	
19	1J7-46119-Y0-10	. . SHIM, thrust (0.1T)	1	U.R.
	1J7-46119-Y0-20	. . SHIM, thrust (0.2T)	1	U.R.
20	1J7-46106-N0-00	. . BEARING ASS'Y	1	

Final Gear Case Capacity	300cc
Gear Case Lubricant: Temp. Above 5°C (40°F)	SAE 90 Hypoid Gear Oil GL-4
Temp. Below 15°C (60°F)	SAE 80 Hypoid Gear Oil GL-4
All Weather Conditions	SAE 80W90 Hypoid Gear Oil GL-4

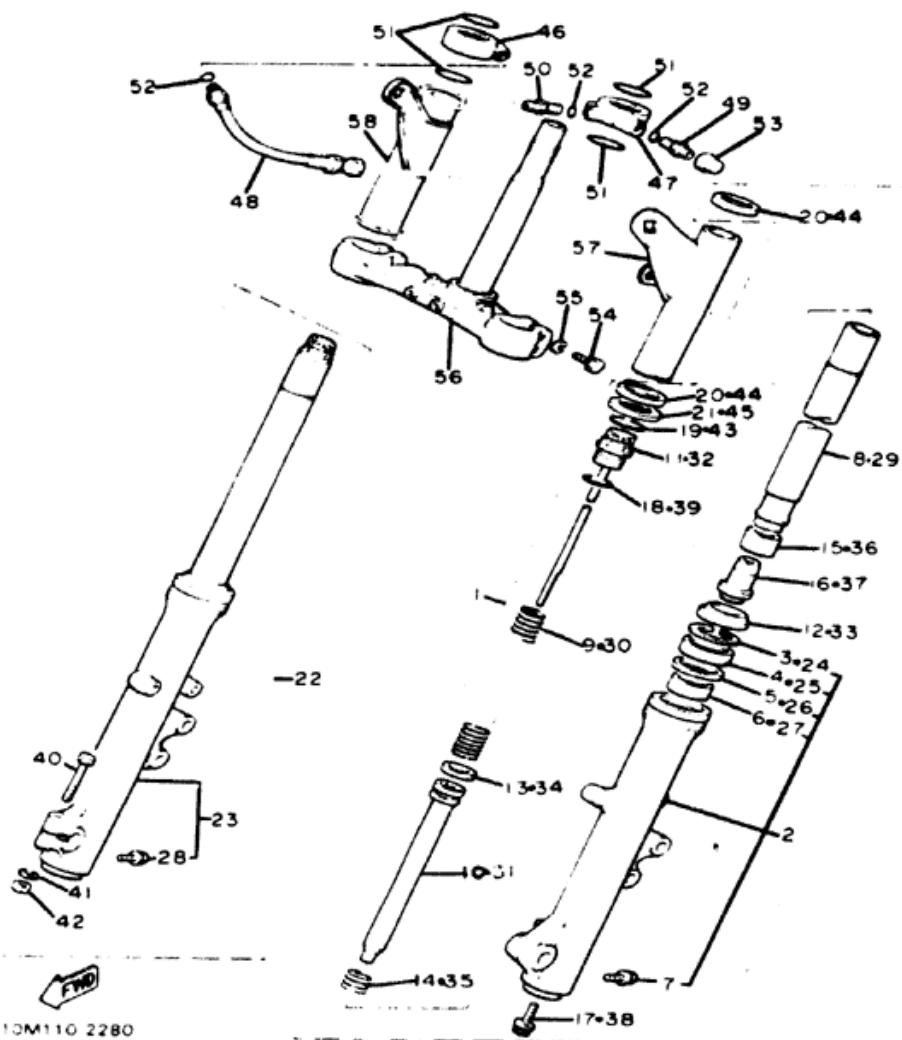
DRIVE SHAFT



Ref. No.	Part Number	Description	Qty.	Remarks
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.
22	93101-30084-00	. OIL SEAL.....	1	
23	2H7-46152-00-00	. HOUSING, bearing.....	1	
24	93211-44348-00	. O-RING	1	
25	95311-08600-00	. NUT	10	
26	92901-08700-00	. WASHER, wave	10	
27	93102-70167-00	. OIL SEAL.....	1	
28	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.
29	90340-14072-00	. PLUG, straight screw	1	
30	90340-14042-00	. PLUG, straight screw	1	
31	214-11198-01-00	. GASKET.....	2	
32	93210-14359-00	. O-RING	1	
33	4H3-17590-00-00	. BREather COMP.....	1	
34	98703-05018-00	. SCREW, flat head (98701-05018)	1	
35	2H7-46172-00-00	SHAFT, drive	1	
36	90468-12088-00	CLIP.....	1	
37	90501-16491-00	SPRING, compression	1	
38	2H7-46180-00-00	CROSS JOINT COMP.....	1	
39	90105-08066-00	BOLT, washer based.....	4	
40	95616-10100-00	NUT, U	4	
41	92906-10100-00	WASHER, spring	4	
42	341-23469-00-00	CAP, bolt	1	

Final Gear Case Capacity	300cc
Gear Case Lubricant: Temp. Above 5°C (40°F)	SAE 90 Hypoid Gear Oil GL-4
Temp. Below 15°C (60°F)	SAE 80 Hypoid Gear Oil GL-4
All Weather Conditions	SAE 80W90 Hypoid Gear Oil GL-4

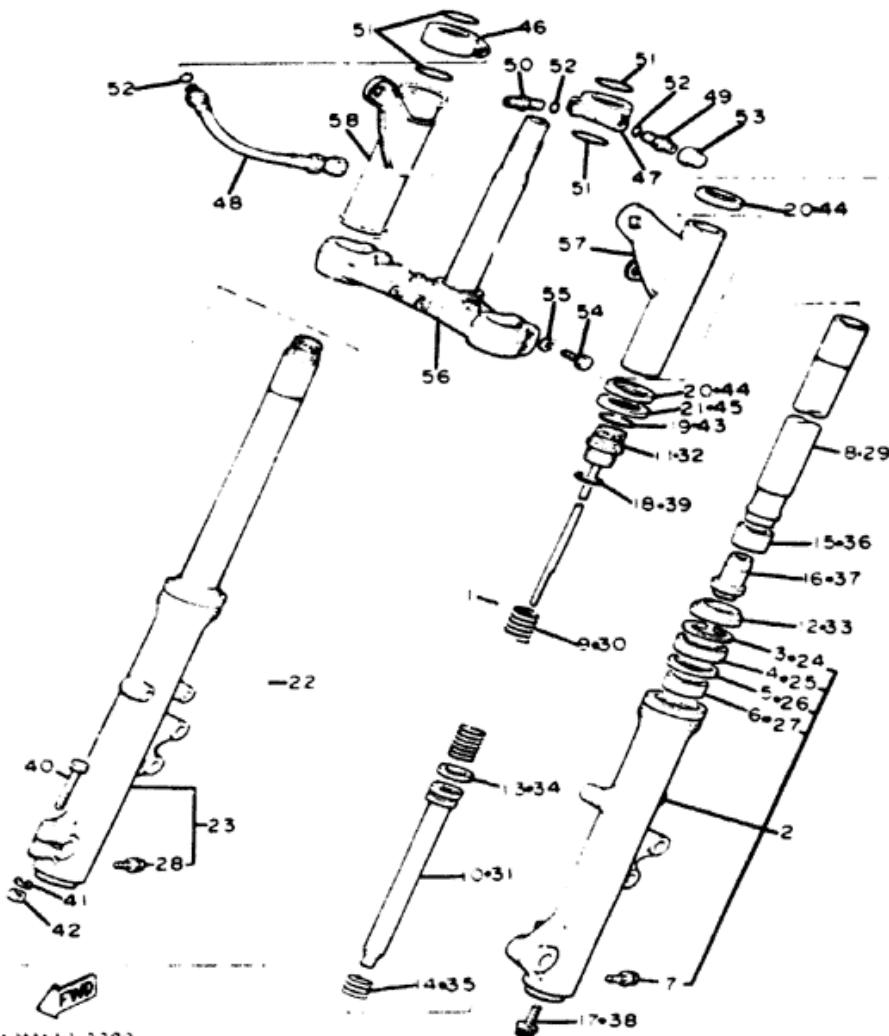
FRONT FORK



Ref. No.	Part Number	Description	Qty.	Remarks
1	10M-23102-00-00	FRONT FORK ASS'Y (L.H.)	1	
2	10M-23126-00-00	. TUBE, outer 1	1	
3	10M-23158-00-00	. CLIP, oil seal	1	
4	10M-23145-00-00	. OIL SEAL	1	
5	10M-23147-00-00	. SEAL, spacer	1	
6	3H3-23125-00-00	. METAL, slide 1	1	
7	10M-23118-00-00	. PLUG, drain	1	
8	10M-23110-00-00	. INNER TUBE COMP. 1	1	
9	10M-23141-00-00	. SPRING, front fork	1	
10	10M-23170-00-00	. CYLINDER COMP., front fork	1	
11	10M-23111-00-00	. BOLT, cap	1	
12	10M-23144-00-00	. SEAL, dust	1	
13	1T4-23157-01-00	. PISTON RING, front fork (2F3-23157-00)	1	
14	10M-23151-00-00	. SPRING, rebound	1	
15	3H3-23135-00-00	. METAL, slide 2	1	
16	10M-23166-00-00	. SPACER, oil lock	1	
17	3M7-23181-00-00	. BOLT, hexagon socket head	1	
18	3H3-23114-00-00	. GASKET	1	
19	3H3-23163-00-00	. GASKET	1	
20	3H3-23115-00-00	. GUIDE, cover upper	2	
21	10M-23115-00-00	. GUIDE, cover upper	1	

Front Forks: Oil Type / Level / Qty	10 Wt. Fork Oil* / 210mm / 250cc
Air Pressure Min ~ Max / Standard	0.4 ~ 1.2 kg/cm ² / 0.4 kg/cm ²
Spring Length Std	599.2mm

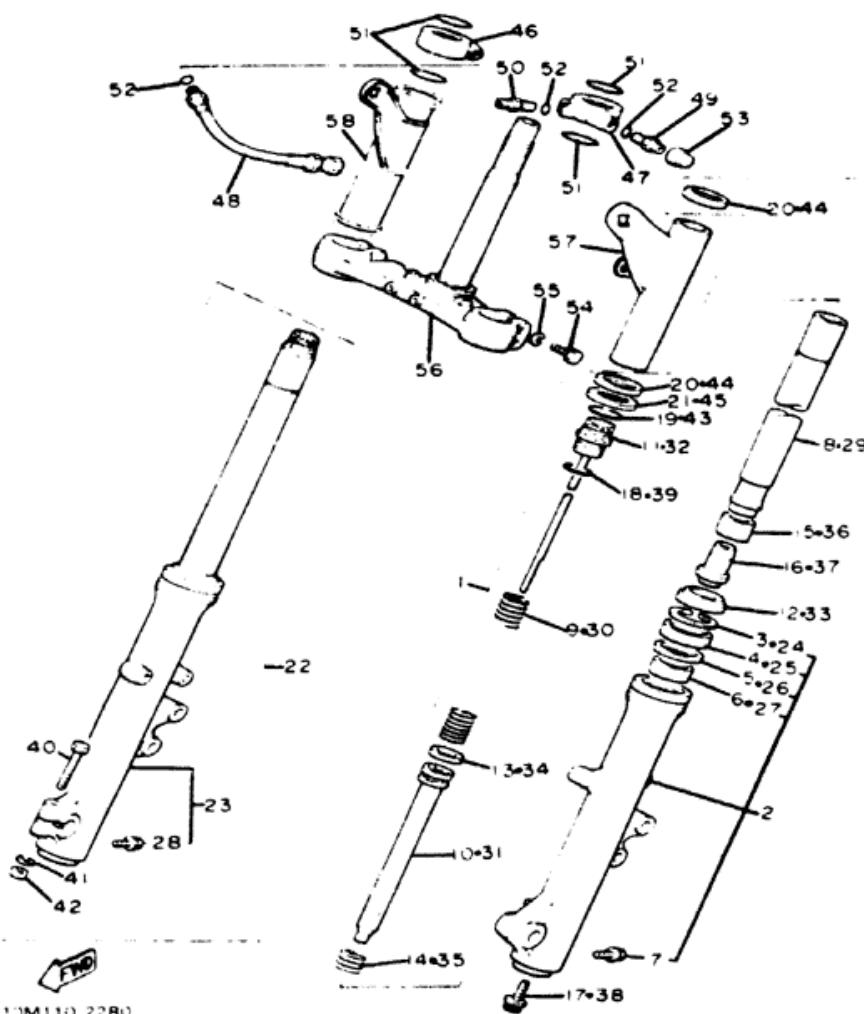
FRONT FORK



Ref. No.	Part Number	Description	Qty.	Remarks
22	10M-23103-00-00	FRONT FORK ASS'Y (R.H.).....	1	
23	10M-23136-00-00	. TUBE, outer 2.....	1	
24	10M-23158-00-00	. CLIP, oil seal.....	1	
25	10M-23145-00-00	. OIL SEAL	1	
26	10M-23147-00-00	. SEAL, spacer.....	1	
27	3H3-23125-00-00	. METAL, slide 1	1	
28	10M-23119-00-00	. PLUG, drain.....	1	
29	10M-23110-00-00	. INNER TUBE COMP. 1.....	1	
30	10M-23141-00-00	. SPRING, front fork	1	
31	10M-23170-00-00	. CYLINDER COMP., front fork	1	
32	10M-23111-00-00	. BOLT, cap	1	
33	10M-23144-00-00	. SEAL, dust.....	1	
34	1T4-23157-01-00	. PISTON RING, front fork (2FS-23157-00).....	1	
35	10M-23151-00-00	. SPRING, rebound.....	1	
36	3H3-23135-00-00	. METAL, slide 2	1	
37	10M-23168-00-00	. SPACER, oil lock	1	
38	3M7-23181-00-00	. BOLT, hexagon socket head...	1	
39	3H3-23114-00-00	. GASKET.....	1	
40	2G2-23128-00-00	. BOLT, axle holder.....	1	
41	92903-08100-00	. WASHER, spring (92901-08100)	1	
42	92811-08200-00	. NUT	1	

Front Forks, Oil Type	Level	Gly	10 Wt. Fork Oil* / 210mm : 250cc
Air Pressure Min ~ Max	Standard		0.4 ~ 1.2 kg/cm ² / 0.4 kg/cm ²
Spring Length Std			599.2mm

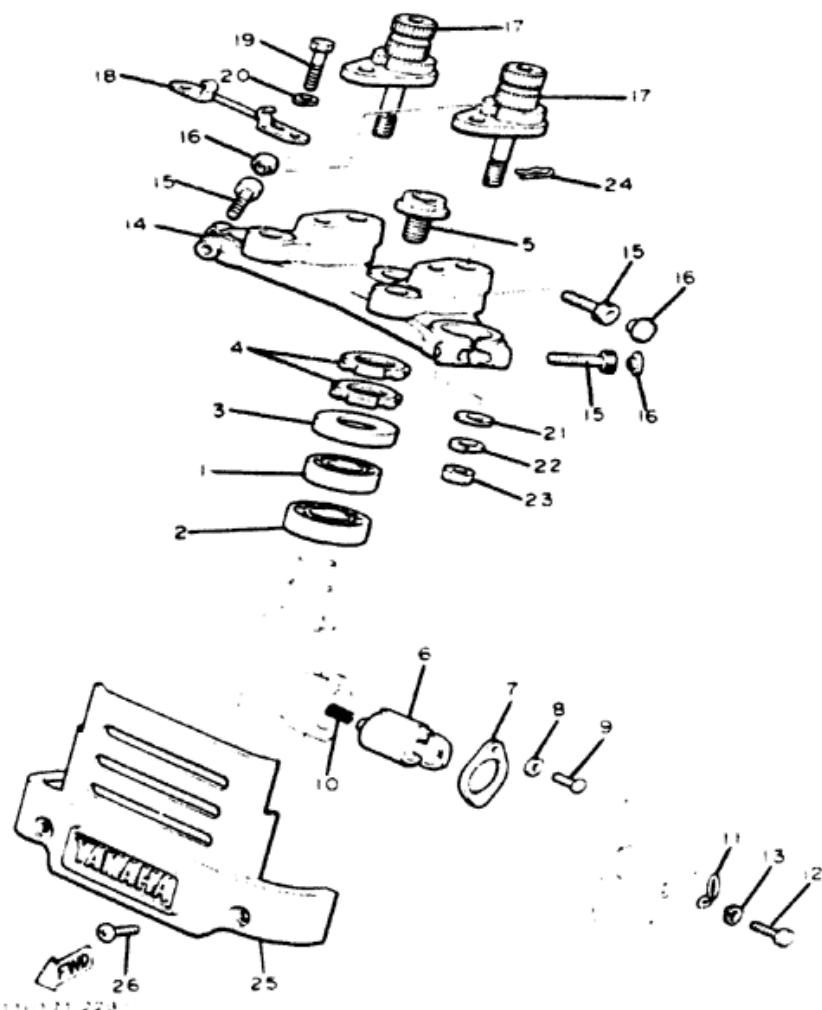
FRONT FORK



Ref. No.	Part Number	Description	Qty.	Remarks
43	3H3-23163-00-00	GASKET.....	1	
44	3H3-23115-00-00	GUIDE, cover upper.....	2	
45	10M-23115-00-00	GUIDE, cover upper.....	1	
46	10M-2319A-00-00	JOINT, air 2.....	1	
47	10M-2318A-00-00	JOINT, air 1.....	1	
48	10M-2318F-00-00	HOSE, air	1	
49	5K7-23190-00-00	AIR VALVE COMP.....	1	
50	10M-2318E-00-00	CONNECTOR.....	1	
51	10M-23188-00-00	O-RING	4	
52	3H3-22147-00-00	O-RING	3	
53	5K7-23184-00-00	CAP, air valve	1	
54	3J3-23346-00-00	BOLT 1	4	
55	3J3-231E9-00-00	WASHER, spring, lower.....	4	
56	10M-25340-00-90	UNDERBRACKET COMP.....	1	Uni Chrome (Blk)
57	10M-23121-00-93	COVER, upper 1	1	Chrome Plated
58	10M-23131-00-93	COVER, upper 2	1	Chrome Plated

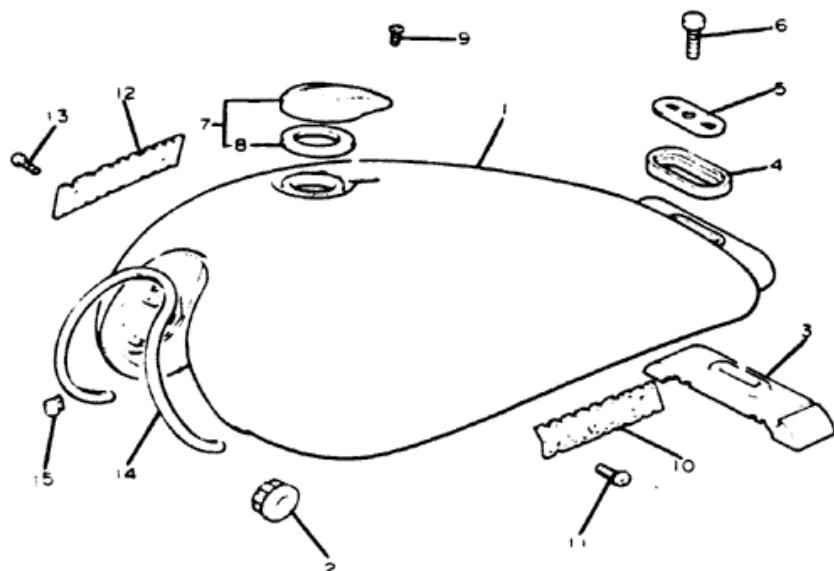
Front Forks: Oil Type	Level	Qty	10 Wt Fork Oil*	210mm 250cc
Air Pressure Min ~ Max	Standard		0.4 ~ 1.2 kg/cm ²	0.4 kg/cm ²
Spring Length Std			599.2mm	

STEERING



Ref. No.	Part Number	Description	Qty.	Remarks
1	93332-00023-00	BEARING	1	
2	93332-00008-00	BEARING	1	
3	4H3-23415-00-00	COVER, ball race 1.....	1	
4	4H3-23454-00-00	NUT, fitting 2.....	2	
5	4H3-23451-00-00	BOLT, fitting 1.....	1	
6	4R3-23408-00-00	STEERING LOCK ASS'Y	1	
7	584-23484-01-00	CAP, handle lock.....	1	
8	90208-04029-00	WASHER, conical spring.....	1	
9	90269-04003-00	RIVET	1	
10	90502-09024-00	SPRING, conical	1	
11	2G2-23318-00-00	HOLDER, cable 1	1	
12	97301-06012-00	BOLT	1	
13	92903-06100-00	WASHER, spring (92901-06100)	1	
14	10M-23435-00-98	CROWN, handle	1	Low Gloss Blk
15	91318-08040-00	BOLT	3	
16	341-23469-00-00	CAP, bolt	3	
17	10M-23442-00-98	HOLDER, handle lower.....	2	
18	10M-26226-00-00	BRACKET, handle cover 1.....	1	
19	97321-08025-00	BOLT	2	
20	92903-08100-00	WASHER, spring (92901-08100)	2	
21	92906-10600-00	WASHER	2	
22	92906-10100-00	WASHER, spring	2	
23	95306-10700-00	NUT	2	
24	90468-12124-00	CLIP.....	2	
25	10M-23122-00-00	COVER, outer 1.....	1	
26	98903-06010-00	SCREW, bind.....	2	

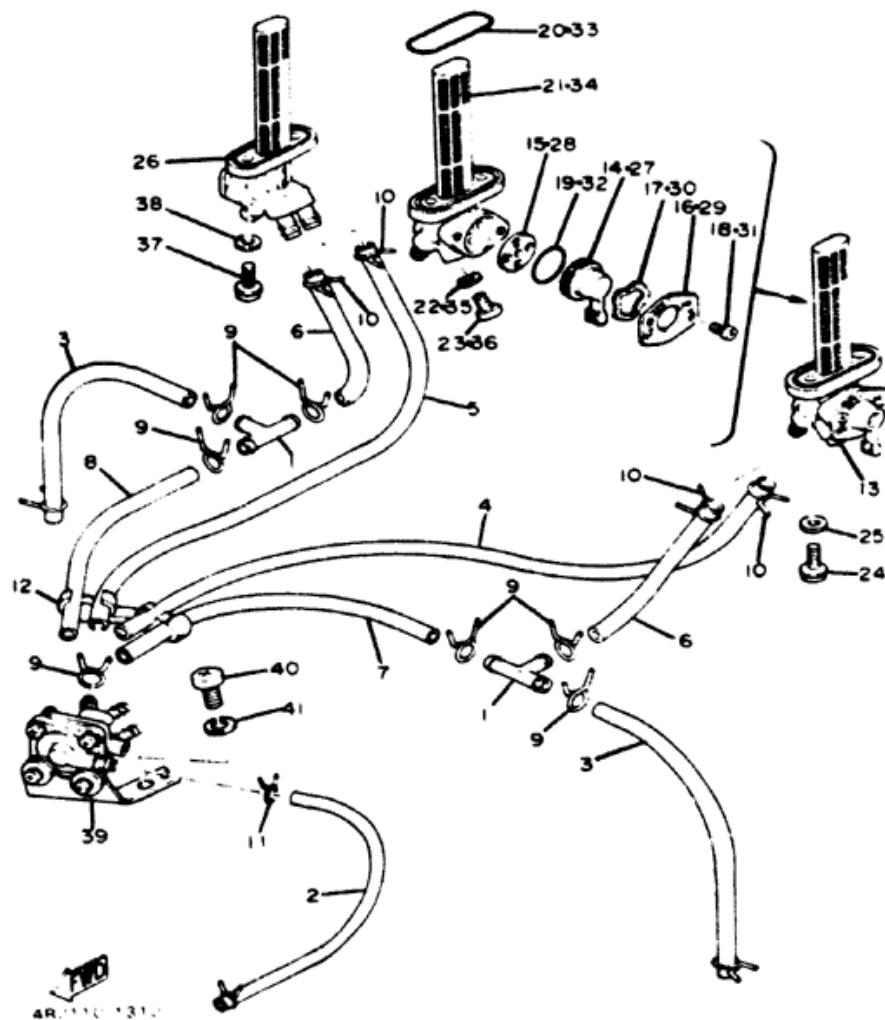
FUEL TANK



Ref. No.	Part Number	Description	Qty.	Remarks
1	10M-24110-00-8G	FUEL TANK COMP.....	1	U.R. New Yamaha Blk
	10M-24110-00-7J	FUEL TANK COMP.....	1	U.R. New Ruby Red
2	1J7-24181-01-00	DAMPER, locating 1.....	2	
3	10M-24182-00-00	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	4X7-24802-00-00	CAP ASS'Y.....	1	
8	4X7-24812-00-00	. GASKET, cap	1	
9	98506-05010-00	SCREW, pan head.....	1	
10	10M-24161-00-00	EMBLEM 1.....	1	
11	90152-04006-00	SCREW, countersunk.....	2	
12	10M-24162-00-00	EMBLEM 2.....	1	
13	90152-04006-00	SCREW, countersunk.....	2	
14	10M-24189-00-00	PLATE, mold.....	1	
15	90468-03063-00	CLIP.....	5	

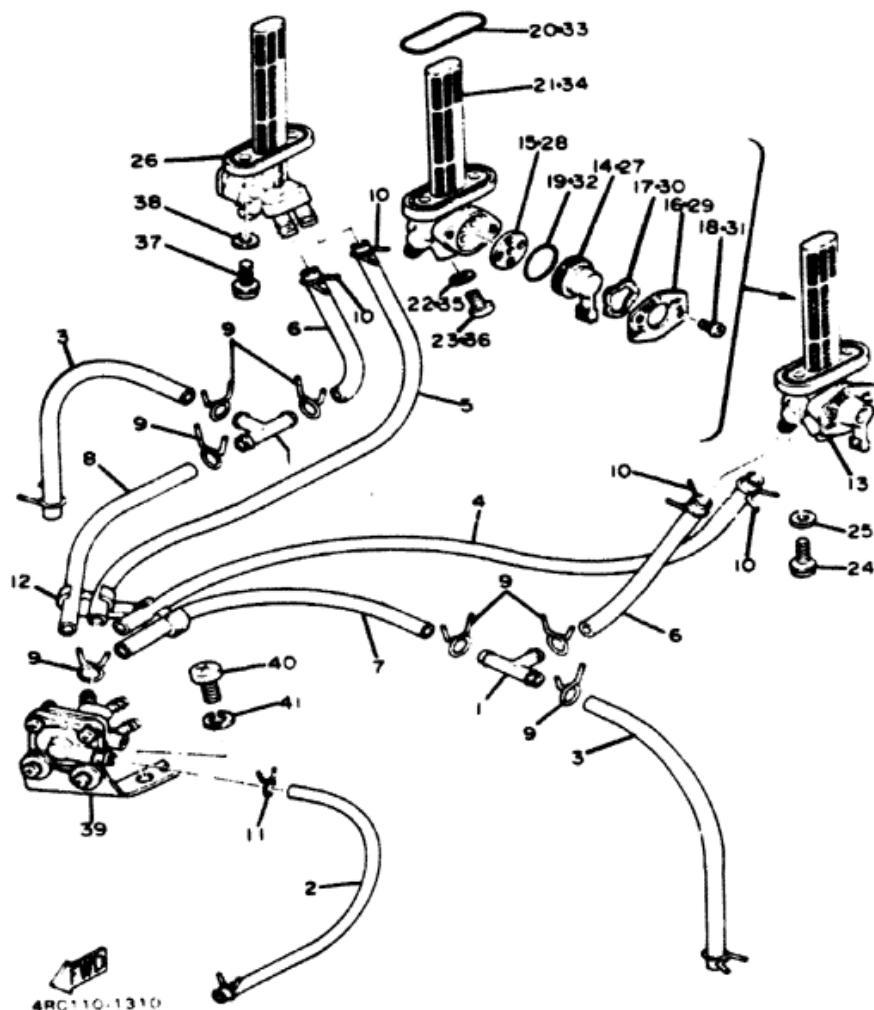
Basic Color(s)	New Yamaha Black (B)	New Ruby Red (R)
Fuel Type	Fuel Tank Capacity	Reserve Capacity

FUEL COCK - PIPING



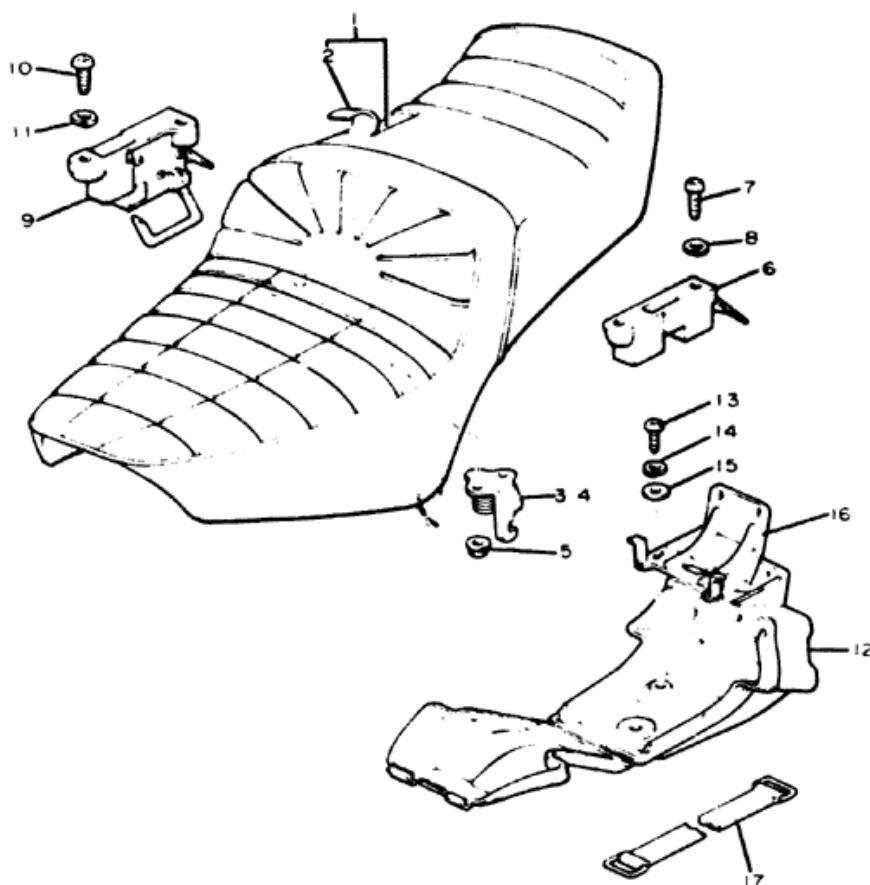
Ref. No.	Part Number	Description	Qty.	Remarks
1	3H3-24376-00-00	PIPE, joint 1.....	2	
2	90445-07036-00	HOSE.....	1	
3	90445-10345-00	HOSE.....	2	
4	3H3-24311-00-00	PIPE, fuel 1	1	
5	3H3-24312-00-00	PIPE 2.....	1	
6	3H3-24313-00-00	PIPE 3.....	2	
7	3H3-24314-00-00	PIPE 4.....	1	
8	3H3-24315-00-00	PIPE 5.....	1	
9	90487-09006-00	CLIP.....	12	
10	90487-10039-00	CLIP.....	4	
11	90487-07029-00	CLIP.....	2	
12	3H3-24366-00-00	CLAMP, fuel pipe 1.....	1	
13	3H3-24500-01-00	FUEL COCK ASS'Y 1.....	1	
14	3H3-24524-00-00	LEVER, cock.....	1	
15	3H3-24523-00-00	VALVE	1	
16	3H3-24525-00-00	PLATE, lever fitting	1	
17	3H3-24518-00-00	WASHER, wave	1	
18	98501-03008-00	SCREW, pan head.....	2	
19	3H3-24534-00-00	O-RING	1	
20	2W6-24512-00-00	O-RING, fuel cock (3H3-24512-00)	1	

FUEL COCK - PIPING



Ref. No.	Part Number	Description	Qty.	Remarks
21	3Y1-24514-20-00	. NET, filter 1	1	
22	3H3-24522-00-00	. GASKET.....	2	
23	98501-05010-00	. SCREW, pan head (98503-05008)	2	
24	90149-06011-00	SCREW.....	2	
25	90202-06010-00	WASHER, plate.....	2	
26	3H3-24510-01-00	FUEL COCK ASS'Y 2	1	
27	3H3-24524-10-00	LEVER, cock.....	1	
28	3H3-24523-00-00	VALVE	1	
29	3H3-24525-10-00	PLATE, lever fitting	1	
30	3H3-24518-00-00	WASHER, wave	1	
31	98501-03008-00	SCREW, pan head	2	
32	3H3-24534-00-00	O-RING	1	
33	2W6-24512-00-00	O-RING, fuel cock (3H3-24512-00)	1	
34	3Y1-24514-20-00	. NET, filter 1	1	
34	3Y1-24514-20-00	. NET, filter 1	1	
35	3H3-24522-00-00	GASKET.....	2	
36	98501-05010-00	. SCREW, pan head (98503-05008)	2	
37	90149-06011-00	SCREW.....	2	
38	90202-06010-00	WASHER, plate.....	2	
39	3H3-24520-01-00	DIAPHRAGM ASS'Y.....	1	
40	92501-08015-00	SCREW, pan head.....	1	
41	92903-08100-00	WASHER, spring (92901-08100)	1	

SEAT

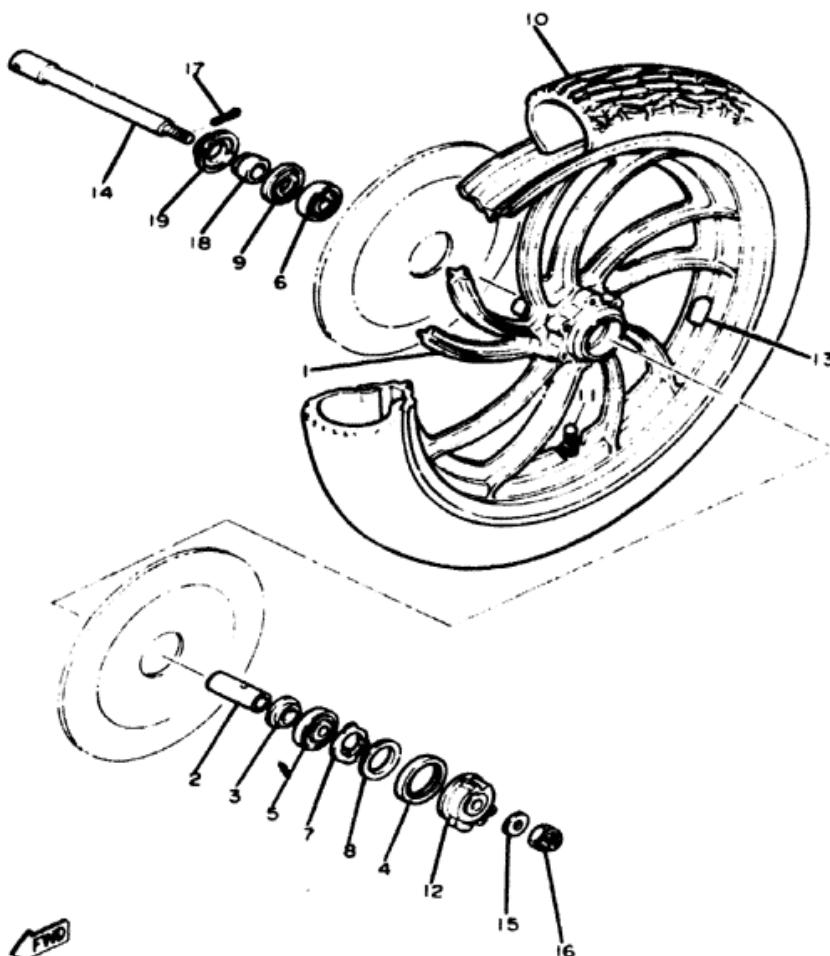


Ref. No.	Part Number	Description	Qty.	Remarks
1	10M-W2472-00-00	DOUBLE SEAT ASS'Y	1	
2	10M-24731-00-00	. COVER, double seat	1	
3	10M-24728-00-00	BRACKET, seat	1	
4	10M-24738-00-00	BRACKET, seat	1	
5	95701-06100-00	NUT, flange (95702-06100)	4	
6	4L0-24760-00-00	SEAT LEVER ASS'Y	1	
7	92503-06012-00	SCREW, pan head (92501-06012)	2	
8	92903-06100-00	WASHER, spring (92902-06100)	2	
9	4L0-24705-00-00	SEAT LOCK ASS'Y	1	
10	92503-06012-00	SCREW, pan head (92501-06012)	2	
11	92903-06100-00	WASHER, spring (92902-06100)	2	
12	10M-2473R-00-00	BOX 1	1	
13	92503-06015-00	SCREW, pan head (92502-06016)	3	
14	92903-06100-00	WASHER, spring (92902-06100)	3	
15	90201-06750-00	WASHER, plate	3	
16	10M-2475H-00-00	BRACKET, seat lever 1	1	
17	122-82131-00-00	BAND, battery	1	

FWD

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FRONT WHEEL

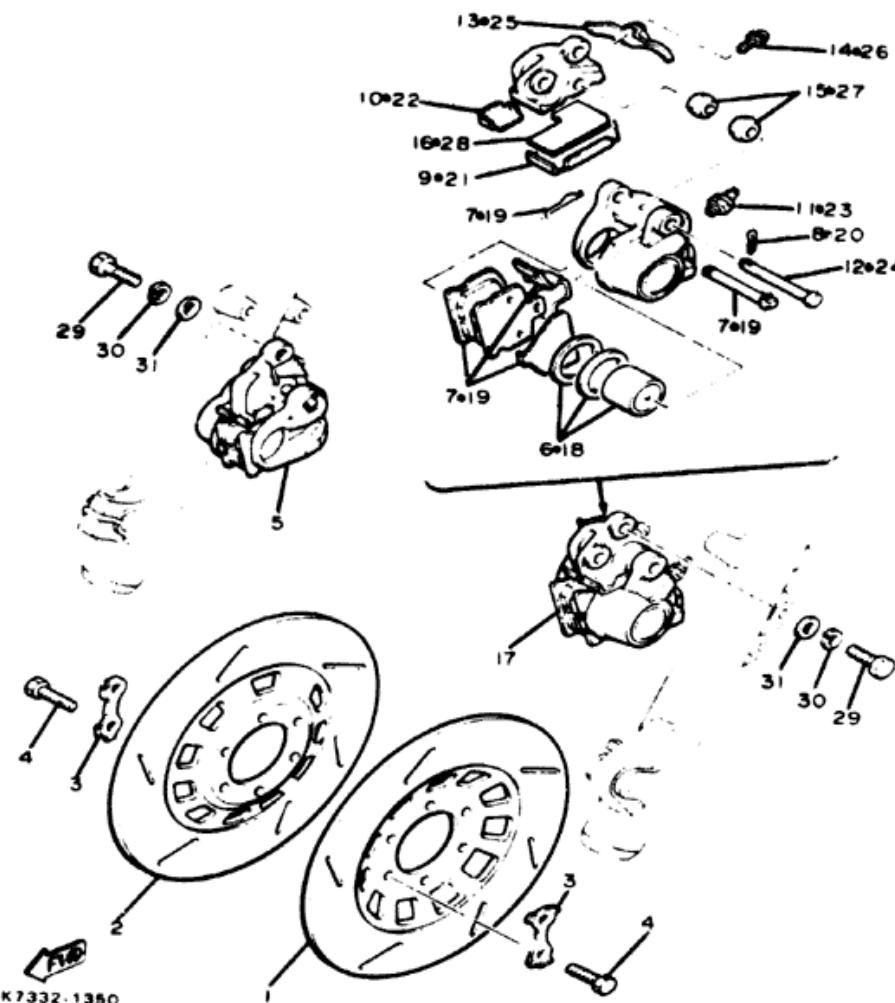


4W1110-1330

Ref. No.	Part Number	Description	Qty.	Remarks
1	4W1-25168-20-98	CAST WHEEL, front	1	Low Gloss Black
2	90560-17126-00	SPACER	1	
3	1A1-25115-00-00	FLANGE, spacer 1.....	1	
4	93105-45017-00	OIL SEAL	1	
5	93306-30309-00	BEARING (B6303ZZ)	1	
6	93306-30303-00	BEARING (B6303Z).....	1	
7	341-25149-00-00	CLUTCH, meter.....	1	
8	341-25848-00-00	RETAINER, clutch.....	1	
9	93102-28022-00	OIL SEAL	1	
10	94136-19498-00	TIRE (3.50-19).....	1	Bridgestone
11	93900-00001-00	VALVE, rim (16024 101)	1	Bridgestone
12	2G2-25190-00-00	GEAR UNIT ASS'Y	1	
13	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.
14	341-25181-01-00	AXLE, wheel.....	1	
15	92901-14200-00	WASHER, plain	1	
16	90171-14020-00	NUT, castle (90171-14006).....	1	
17	91401-30030-00	PIN, cotter	1	
18	90387-17433-00	COLLAR	1	
19	341-25118-00-00	COVER, hub dust	1	

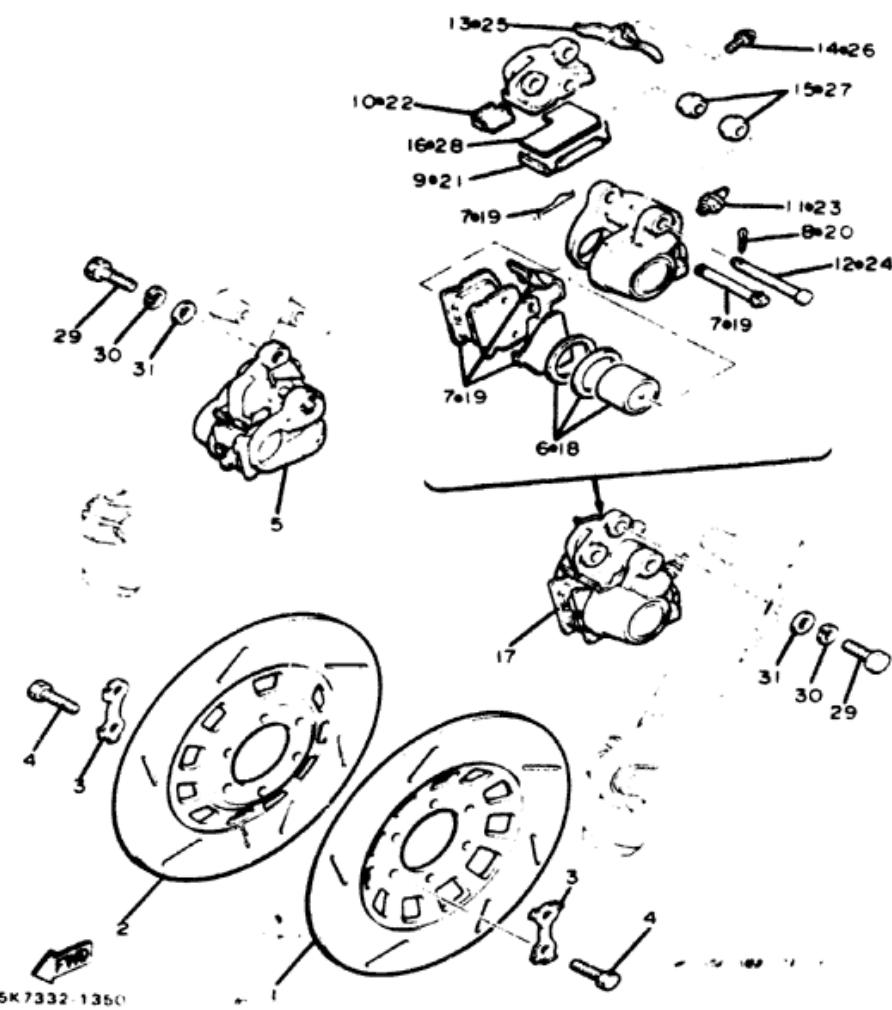
Minimum Brake Lining Thickness	Front: 0.8mm	Rear: 0.8mm
Tire Size (Nominal Pressure)	F: 3.50H19 (1.6 kg/cm ²)	R: 130/90-16 67H (2.0 kg/cm ²)
Front Axle Nut	14 x 1.5: 11.0 m-kg	
Front Axle Holder Nut	8 x 1.5: 2.0 m-kg	

FRONT BRAKE - CALIPER



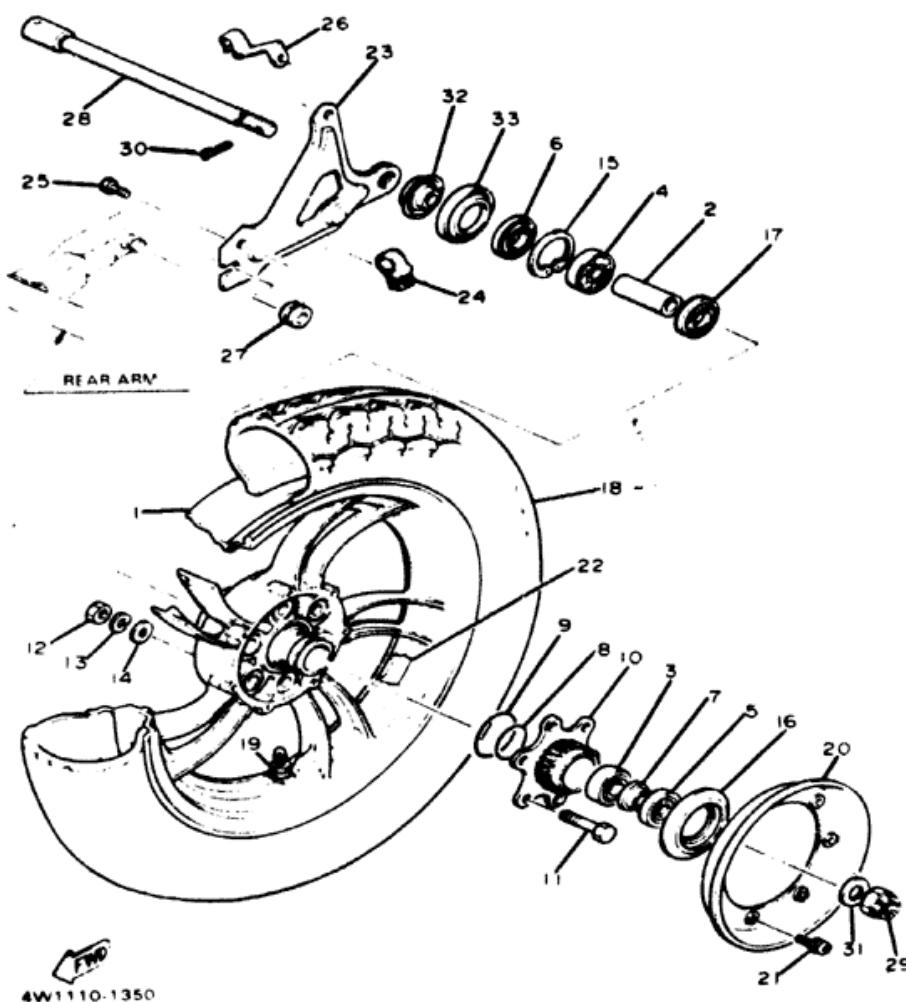
Ref. No.	Part Number	Description	Qty.	Remarks
1	3H5-25831-10-00	DISC, brake	1	
2	3H5-25831-00-00	DISC, brake	1	
3	3H5-25834-00-00	WASHER, lock.....	6	
4	90101-08477-00	BOLT	12	
5	4W1-25810-00-00	CALIPER ASS'Y (right).....	1	
6	4W1-W0057-00-00	PISTON ASS'Y, caliper.....	1	
7	4W1-W0045-00-00	BRAKE PAD KIT, front	1	
8	91490-20015-00	PIN, cotter.....	1	
9	4W1-25913-00-00	RETAINER.....	1	
10	4W1-25828-00-00	SHIM, caliper	1	
11	1J3-W0048-00-00	BREED SCREW KIT	1	
12	4W1-25914-00-00	PIN, slide.....	1	
13	4W1-25836-00-00	COVER, dust.....	1	
14	4L3-25818-00-00	BOLT, caliper	1	
15	4L0-25917-00-00	BOOT, caliper	2	
16	4W1-25828-50-00	SHIM, caliper	1	U.N.

FRONT BRAKE - CALIPER



Ref. No.	Part Number	Description	Qty.	Remarks
17	4W1-25810-10-00	CALIPER ASS'Y (left)	1	
18	4W1-W0057-00-00	. PISTON ASS'Y, caliper	1	
19	4W1-W0045-10-00	. BRAKE PAD KIT, front	1	
20	91490-20015-00	. PIN, cotter	1	
21	4W1-25813-10-00	. RETAINER	1	
22	4W1-25828-00-00	. SHIM, caliper	1	
23	1J3-W0048-00-00	. BREED SCREW KIT	1	
24	4W1-25814-00-00	. PIN, slide	1	
25	4W1-25836-10-00	. COVER, dust	1	
26	4L3-25818-00-00	. BOLT, caliper	1	
27	4L0-25917-00-00	. BOOT, caliper	2	
28	4W1-25828-50-00	. SHIM, caliper	1	
29	90101-10308-00	BOLT	4	
30	92903-10100-00	WASHER, spring (92901-10100)	4	
31	92903-10200-00	WASHER, plain (92901-10200)	4	U.N.

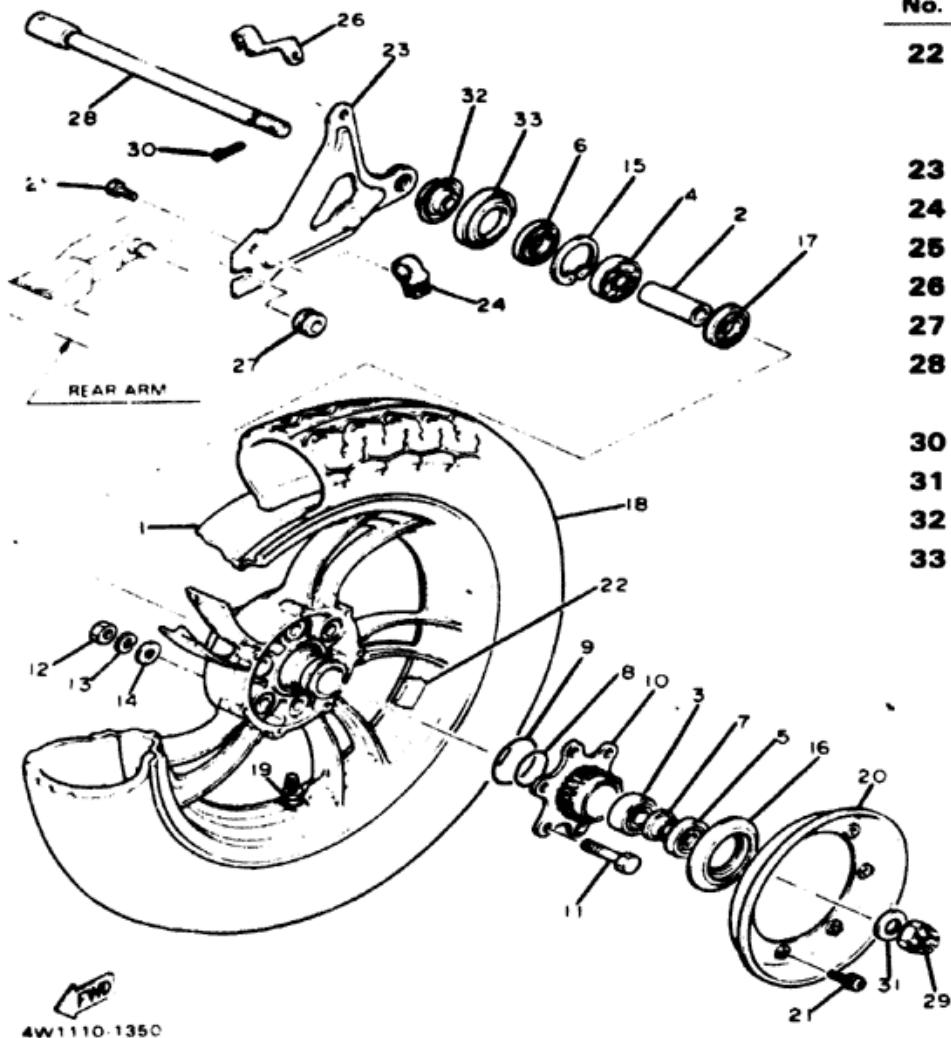
REAR WHEEL



Ref. No.	Part Number	Description	Qty.	Remarks
1	4W1-W2533-20-98	CAST WHEEL, rear.....	1	Low Gloss Black
2	2H7-25317-00-00	SPACER, bearing.....	1	
3	93313-62010-00	BEARING, cylindrical	1	
4	93306-30404-00	BEARING (B6304Z).....	1	
5	93102-25045-00	OIL SEAL	1	
6	93104-27026-00	OIL SEAL	1	
7	90387-20541-00	COLLAR	1	
8	93210-41358-00	O-RING	1	
9	93210-58144-00	O-RING	1	
10	2H7-25366-00-00	CLUTCH, hub.....	1	
11	90109-10491-00	BOLT	6	
12	95380-10600-00	NUT	6	
13	92903-10100-00	WASHER, spring (92901-10100)	6	
14	90201-10124-00	WASHER, plate	6	
15	93420-52014-00	CIRCLIP	1	
16	1J7-25319-01-00	SEAL, hub dust	1	
17	2H7-25315-00-00	FLANGE, spacer	1	
18	94113-18499-00	TIRE	1	Bridgestone
19	93900-00001-00	VALVE, rim (18024 101)	1	Bridgestone
20	2H7-25327-00-00	COVER, plate	1	
21	90159-05018-00	SCREW, with washer.....	4	

Minimum Brake Lining Thickness	Front: 0.8mm	Rear: 0.8mm
Tire Size (Nominal Pressure)	F:3.50H19 (1.6 kg/cm ²)	R:130/90-16 67H (2.0 kg/cm ²)
Rear Axle Nut	18 x 1.5, 15.0 m·kg	
Rear Axle Pinch Bolt	8 x 1.25, 0.6 m·kg	

REAR WHEEL

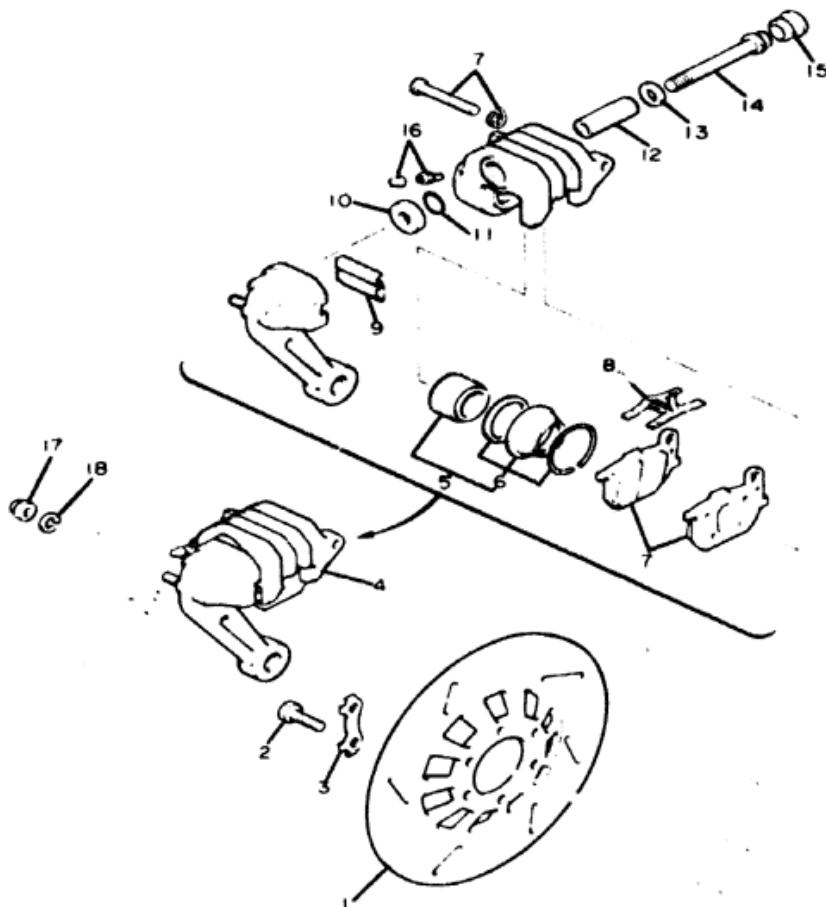


4W1110-1350

Ref. No.	Part Number	Description	Qty.	Remarks
22	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.
23	3H3-25371-00-00	PLATE, torque stopper	1	
24	90461-10023-00	CLAMP	1	
25	97306-06014-00	BOLT	1	
26	4W1-25887-00-00	HOLDER, brake hose	1	
27	3H3-25374-00-00	SPACER, torque stopper	1	
28	2H7-25381-00-00	AXLE, wheel.....	1	
	90171-18008-00	NUT, castle	1	
30	91401-40040-00	PIN, cotter	1	
31	90201-18620-00	WASHER, plate.....	1	
32	3H3-25377-00-00	COLLAR, wheel	1	
33	1J7-25367-00-00	COVER, hub dust	1	

Minimum Brake Lining Thickness	Front: 0.8mm	Rear: 0.8mm
Tire Size (Nominal Pressure)	F:3.50H19 (1.6 kg/cm ²)	R:130/90-16 67H (2.0 kg/cm ²)
Rear Axle Nut	18 x 1.5: 15.0 m-kg	
Rear Axle Pinch Bolt	8 x 1.25: 0.6 m-kg	

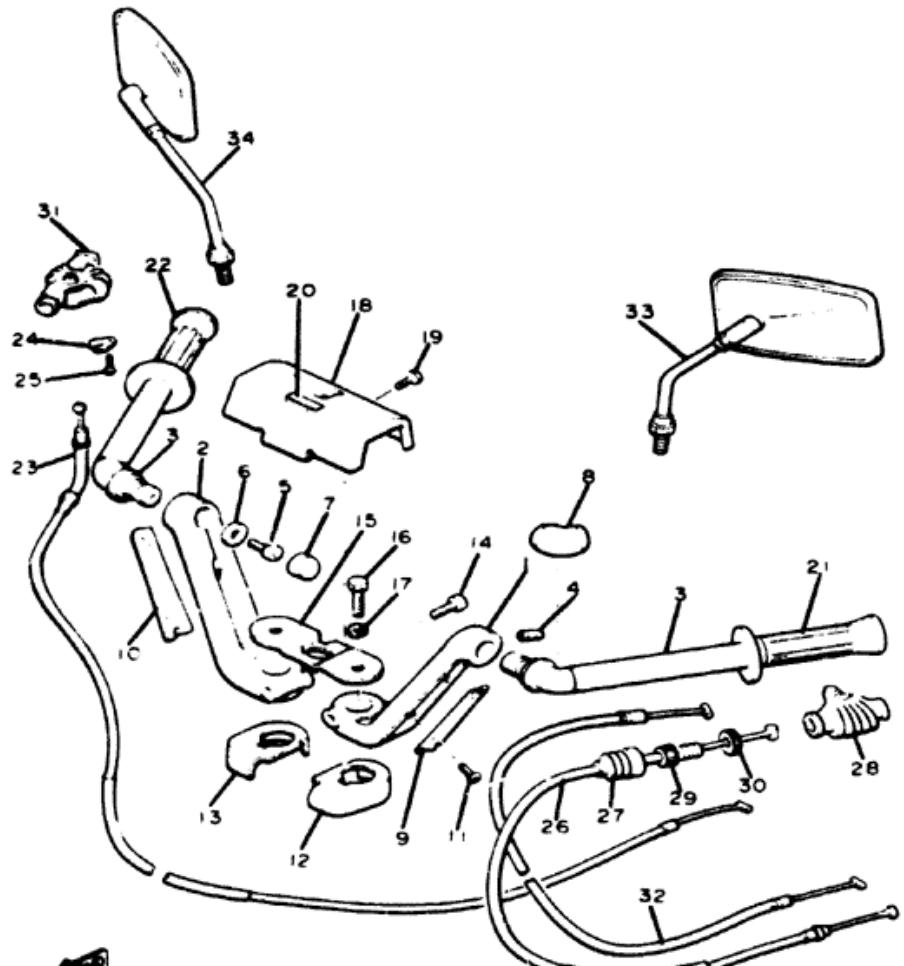
REAR BRAKE CALIPER



Ref. No.	Part Number	Description	Qty.	Remarks
1	10M-25831-50-00	DISC, brake	1	
2	90101-08477-00	BOLT	6	
3	3H5-25834-00-00	WASHER, lock.....	3	
4	4W1-25810-50-00	CALIPER ASS'Y.....	1	
5	2G2-W0057-00-00	. PISTON ASS'Y, caliper.....	1	
6	2G2-W0047-00-00	. CALIPER SEAL KIT	1	
7	4W1-W0046-00-00	. BRAKE PAD KIT, rear	1	
8	2G2-25919-00-00	. PAD SPRING, caliper	1	
9	2G2-25849-01-00	. RETAINER, caliper.....	1	
10	4W1-25922-50-00	. WASHER.....	1	
11	4W1-25918-50-00	. O-RING	1	
12	4W1-25838-50-00	. SLEEVE, caliper	1	
13	4W1-25923-50-00	. WASHER.....	1	
14	4W1-25821-50-00	. BOLT 1.....	1	
15	4W1-25916-50-00	. PLUG	1	
16	1J3-W0048-00-00	. BREED SCREW KIT	1	
17	95303-08800-00	NUT, crown	1	
18	92903-08100-00	WASHER, spring.....	1	

11G171-2360

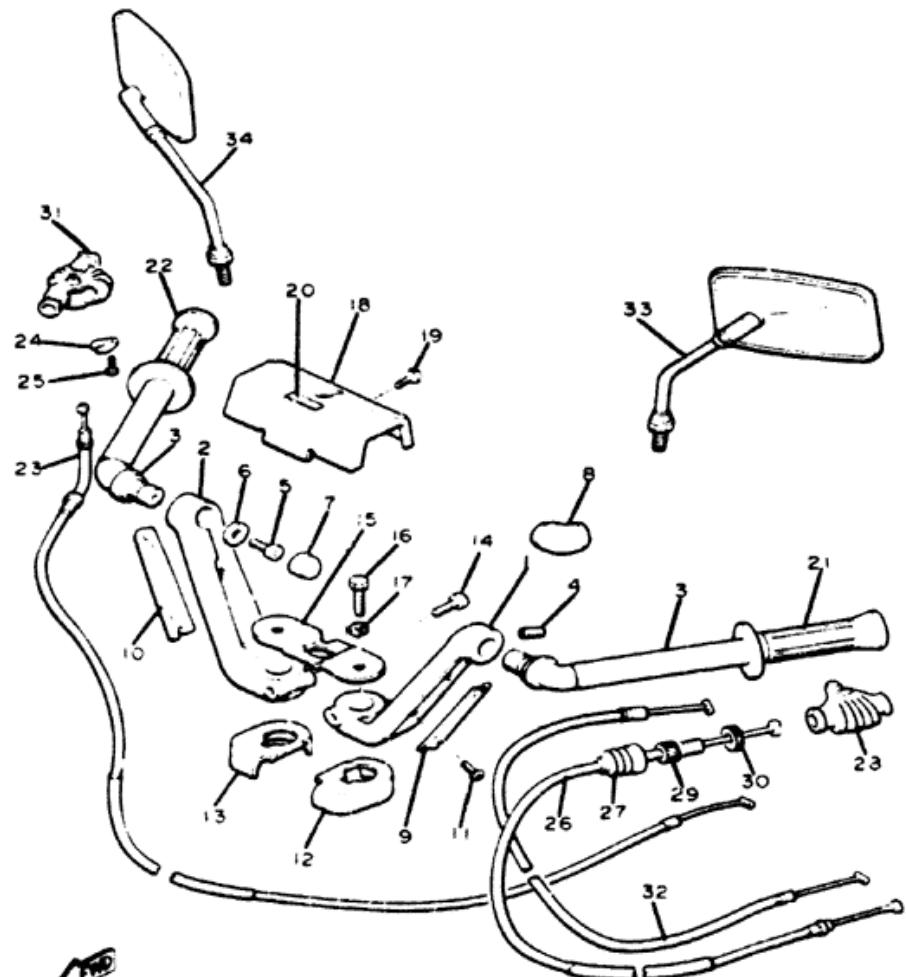
HANDLEBAR - CABLE



11G171-2370

Ref. No.	Part Number	Description	Qty.	Remarks
1	10M-26121-00-00	HANDLEBAR (L.H.).....	1	
2	10M-26122-00-00	HANDLEBAR (R.H.)	1	
3	10M-26112-00-00	BAR, handle	2	
4	90110-06046-00	BOLT, hexagon socket head	2	
5	91311-06012-00	BOLT	2	
6	90201-067E6-00	WASHER, plate	2	
7	10M-26133-00-00	CAP	2	
8	10M-26147-00-00	BOOT, handlebar.....	2	
9	10M-26144-00-00	COVER, handlebar lower 1	1	
10	10M-26146-00-00	COVER, handlebar lower 2	1	
11	98506-05010-00	SCREW, pan head.....	4	
12	10M-26143-00-00	COVER, handlebar upper 1	1	
13	10M-26145-00-00	COVER, handlebar upper 2	1	
14	90110-08047-00	BOLT, hexagon socket head	2	
15	10M-26129-00-00	WASHER	1	
16	97321-03020-00	BOLT	2	
17	92903-08100-00	WASHER, spring (92901-08100)	2	

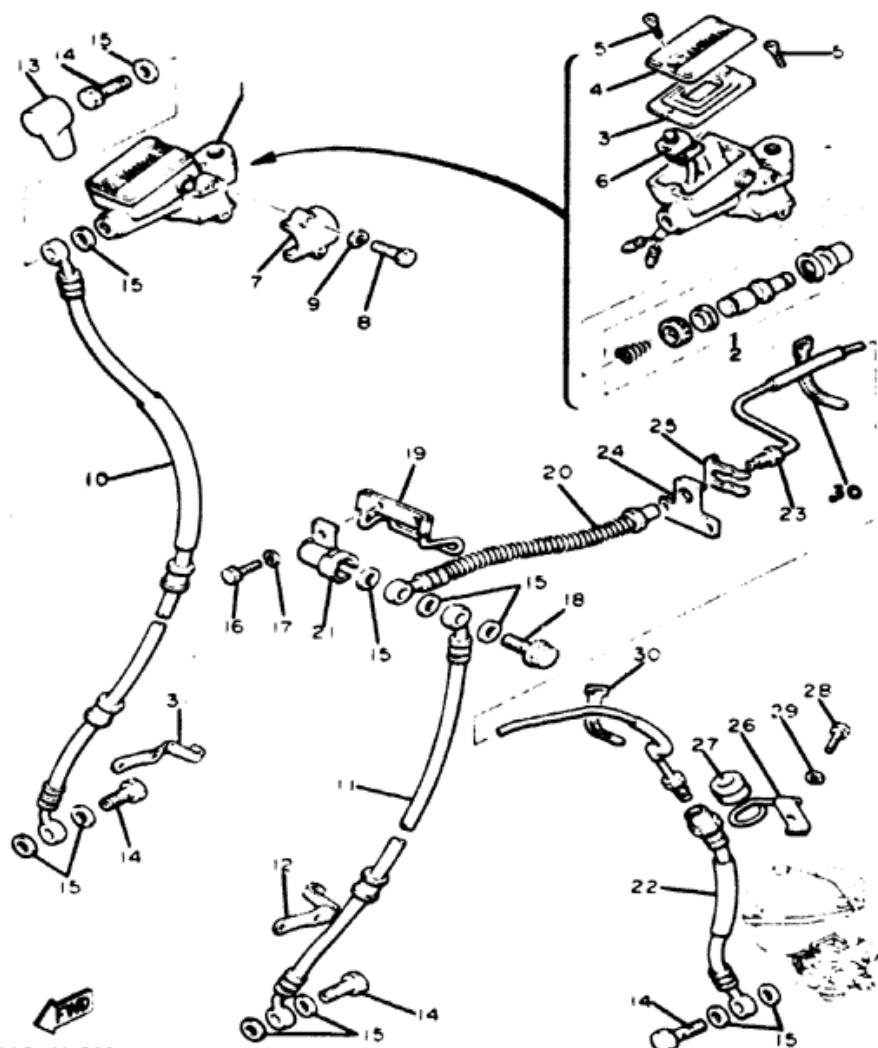
HANDLEBAR - CABLE



11G-71-2370

Ref. No.	Part Number	Description	Qty.	Remarks
18	10M-26213-00-00	COVER, upper	1	
19	98606-05010-00	SCREW, oval head	1	
20	10M-26219-00-00	EMBLEM	1	
21	5G2-26241-10-00	GRIP (L.H.).....	1	
22	5G2-26240-10-00	GRIP ASS'Y	1	
23	10M-26311-00-00	CABLE, throttle 1	1	
24	5H0-26393-00-00	HOLDER	1	
25	98506-05008-00	SCREW, pan head.....	1	
26	10M-26335-00-00	CABLE, clutch	1	
27	1E6-26342-00-00	BOOT, cable.....	1	
28	11H-26372-00-00	COVER, handle lever 1.....	1	
29	90123-08046-00	BOLT	1	
30	90179-08148-00	NUT.....	1	
31	1TG-26372-00-00	COVER, handle lever 1.....	1	
32	10M-26331-00-00	CABLE, starter 1	1	
33	4H7-26290-10-00	BACK MIRROR ASS'Y	1	
34	4H7-26290-00-00	BACK MIRROR ASS'Y	1	

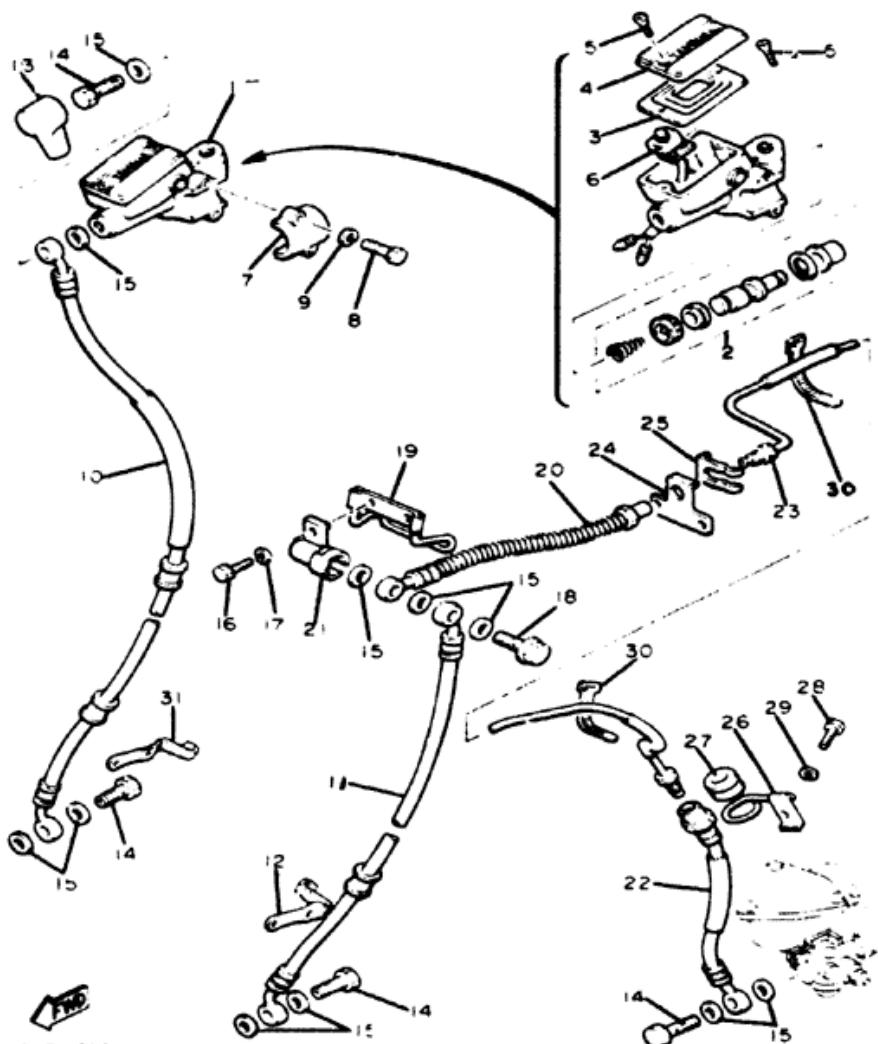
FRONT MASTER CYLINDER



11G171 238

Ref. No.	Part Number	Description	Qty.	Remarks
1	10M-25850-00-00	MASTER CYLINDER ASS'Y	1	
2	4H7-W0041-00-00	CYLINDER KIT, master.	1	
3	4L0-25854-00-00	DIAPHRAGM, reservoir.	1	
4	4L0-25852-00-00	CAP, reservoir.	1	
5	98706-04010-00	SCREW, flat head	3	
6	10M-85702-00-00	LEAD SWITCH ASS'Y.	1	
7	4L0-25867-00-00	BRACKET, master cylinder	1	
8	97326-06025-00	BOLT	2	
9	92906-06100-00	WASHER, spring.	2	
10	10M-25872-10-00	HOSE, brake 1.	1	
11	10M-25872-50-00	HOSE, brake 1.	1	
12	10M-25875-00-00	HOLDER, brake hose 1	1	
13	306-25862-00-00	BOOT, master cylinder.	1	
14	4H3-25877-00-00	BOLT, oil 1	4	
15	90201-10118-00	WASHER, plate.	11	
16	97306-06016-00	BOLT	1	

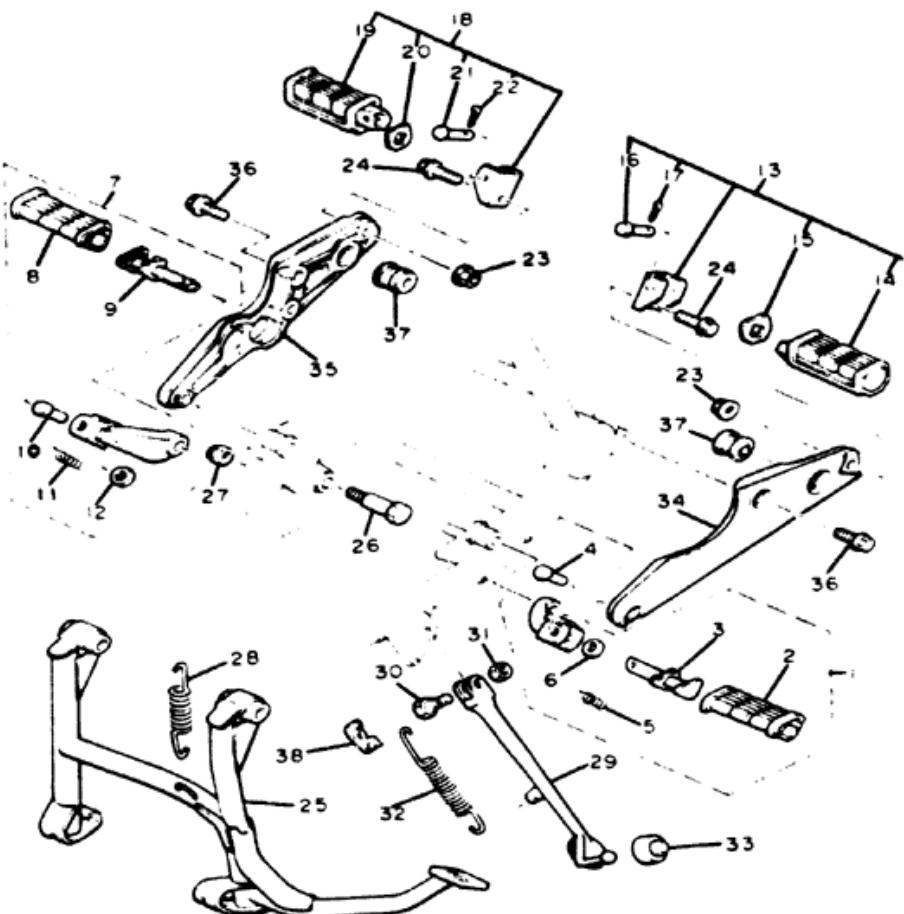
FRONT MASTER CYLINDER



11G-71 2381

Ref. No.	Part Number	Description	Qty.	Remarks
17	92906-06100-00	WASHER, spring.....	1	
18	4W1-25877-00-00	BOLT, oil 1	1	
19	10M-26399-00-00	GUIDE, cable.....	1	
20	4W1-25873-00-00	HOSE, brake 2.....	1	
21	4W1-25885-00-00	JOINT	1	
22	4W1-25873-50-00	HOSE, brake 2.....	1	
23	10M-25882-50-00	PIPE, brake 2.....	1	
24	4W1-25876-00-00	HOLDER, brake hose 2	1	
25	90468-06023-00	CLIP.....	1	
26	4W1-25886-01-00	HOLDER, brake hose	1	
27	341-25881-00-00	PROTECTOR, brake hose.....	1	
28	97306-06010-00	BOLT	1	
29	92906-06100-00	WASHER, spring.....	1	
30	437-83936-10-00	BAND, switch cord.....	3	
31	10M-25876-00-00	HOLDER, brake hose 2	1	

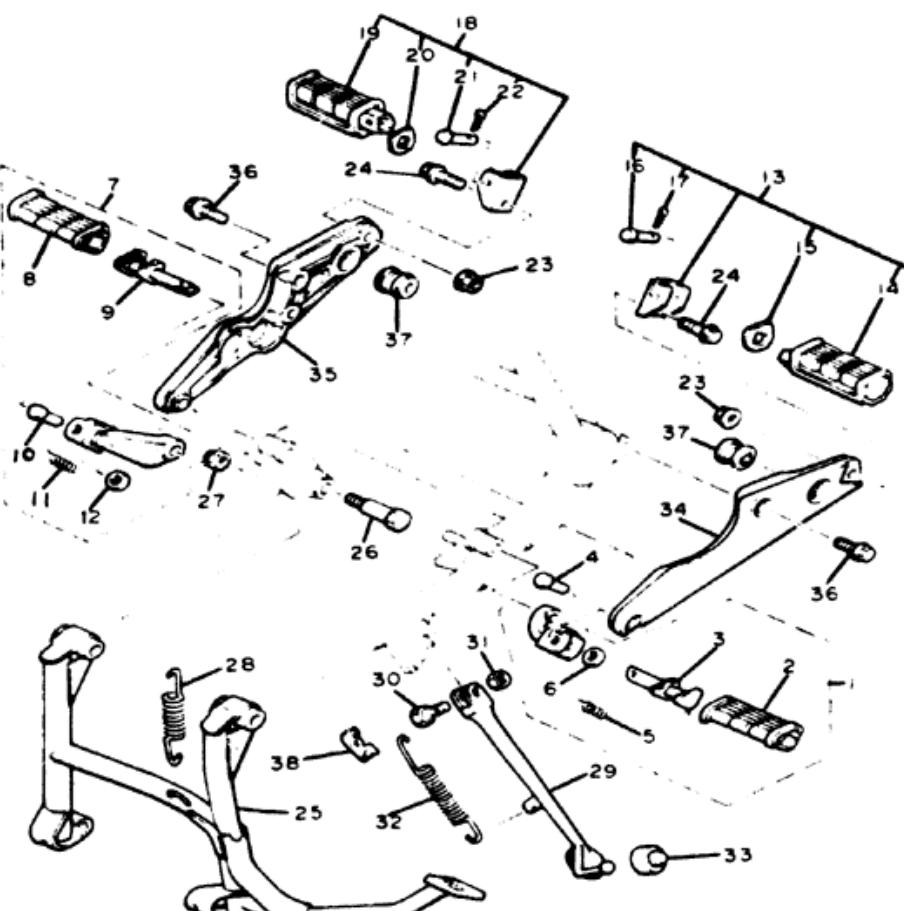
STAND - FOOTREST



110171 2390

Ref. No.	Part Number	Description	Qty.	Remarks
1	10M-27410-00-00	FRONT FOOTREST ASS'Y (L.H.)	1	
2	4X7-27413-00-00	. COVER, footrest.....	1	
3	4X7-27417-00-00	. WASHER, footrest.....	1	
4	90243-08006-00	. PIN	1	
5	90508-20023-00	. SPRING, torsion.....	1	
6	90201-06042-00	. WASHER, plate	1	
7	10M-27420-00-00	FRONT FOOTREST ASS'Y (R.H.)	1	
8	4X7-27413-00-00	. COVER, footrest.....	1	
9	4X7-27417-00-00	. WASHER, footrest.....	1	
10	90243-08006-00	. PIN	1	
11	90508-20023-00	. SPRING, torsion.....	1	
12	90201-06042-00	. WASHER, plate	1	
13	10M-27430-00-00	REAR FOOTREST ASS'Y 1	1	
14	3H5-27433-00-00	. COVER, rear footrest.....	1	
15	90209-18190-00	. WASHER	1	
16	91701-06032-00	. PIN, clevis.....	1	
17	91401-20015-00	. PIN, cotter.....	1	

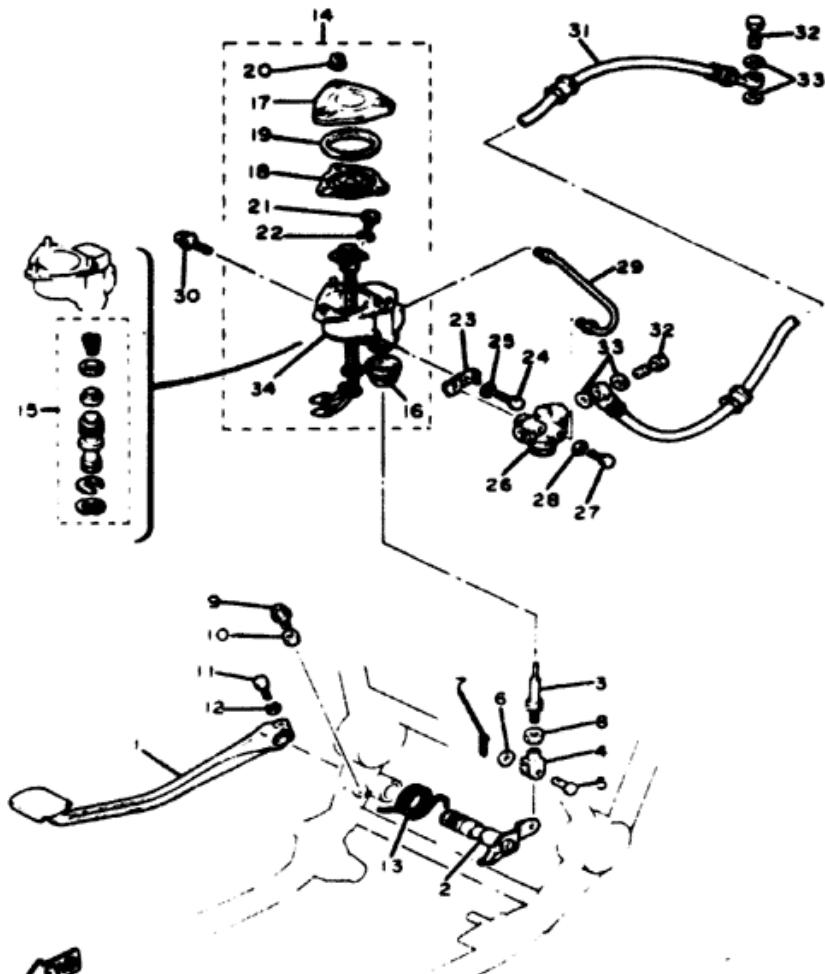
STAND - FOOTREST



11G171-239C

Ref. No.	Part Number	Description	Qty.	Remarks
18	10M-27440-00-00	REAR FOOTREST ASS'Y 2	1	
19	3H5-27444-00-00	. COVER, rear footrest.....	1	
20	90209-18190-00	. WASHER.....	1	
21	91701-06032-00	. PIN, clevis.....	1	
22	91401-20015-00	. PIN, cotter.....	1	
23	95701-10100-00	NUT, flange	2	
24	95821-10035-00	BOLT, flange.....	2	
25	3H3-27111-01-00	STAND, main.....	1	
26	90109-10440-00	BOLT	2	
27	95801-10100-00	NUT, U	2	
28	90506-45199-00	SPRING, tension.....	1	
29	3H3-27311-00-00	STAND, side.....	1	
30	90109-10473-00	BOLT	1	
31	95301-10700-00	NUT.....	1	
32	90506-29266-00	SPRING, tension.....	1	
33	1A0-27114-00-00	STOPPER, main stand	1	
34	3H3-27442-01-00	BRACKET 2	1	
35	3H3-27443-01-00	BRACKET 3	1	
36	90105-10115-00	BOLT, washer based.....	3	
37	3H3-27414-00-00	DAMPER, footrest.....	2	
38	10M-27315-00-00	LINK, side stand	1	

BRAKE

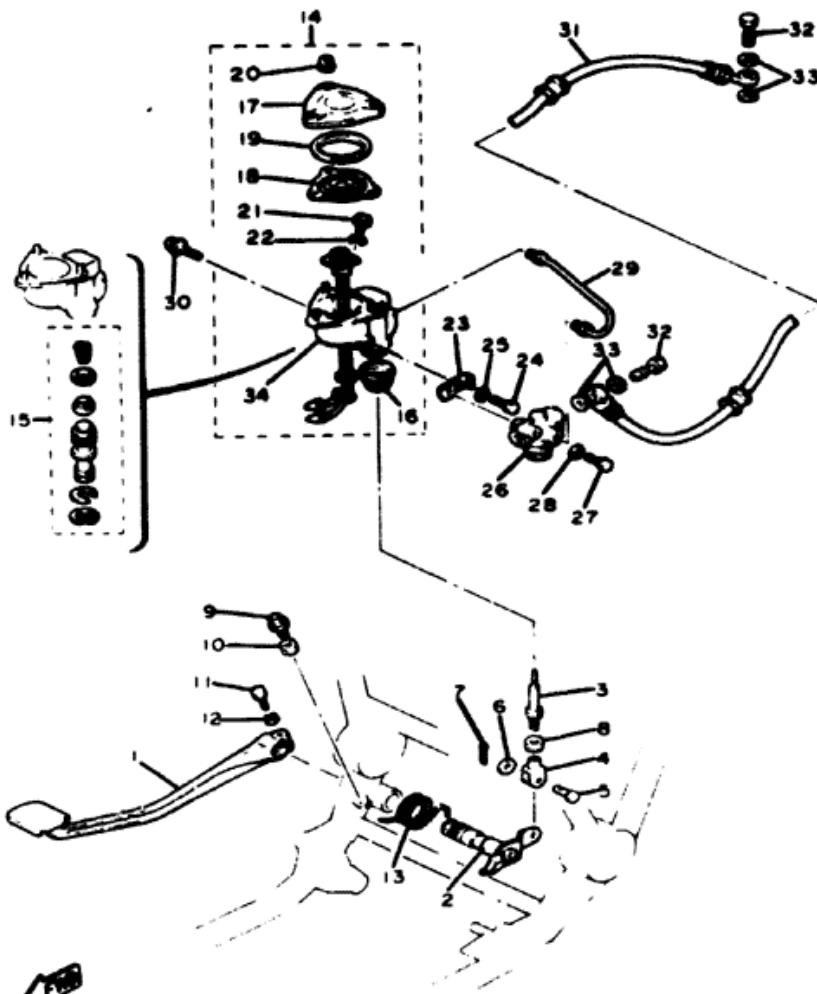


Ref. No.	Part Number	Description	Qty.	Remarks
1	10M-27211-00-93	PEDAL, brake.....	1	Chrome Plated
2	4W1-27212-00-00	SHAFT, brake pedal	1	
3	1A1-27231-01-00	ROD, brake.....	1	
• 4	1J3-27222-01-00	JOINT (1J3-27222-00).....	1	
5	90240-08013-00	PIN, clevis	1	
6	90201-08083-00	WASHER, plate	1	
7	91401-16015-00	PIN, cotter (91401-16012).....	1	
8	95301-08700-00	NUT.....	1	
9	90153-06008-00	SCREW, hexagon	1	
10	90170-06184-00	NUT.....	1	
11	90109-06468-00	BOLT	1	
12	92903-06100-00	WASHER, spring (92901-06100)	1	
13	90508-45396-00	SPRING, torsion	1	
14	10M-25850-50-00	MASTER CYLINDER ASS'Y	1	
15	10M-W0042-00-00	CYLINDER KIT, master.....	1	
16	1J3-25862-51-00	BOOT, master cylinder	1	
17	1J3-25852-52-00	CAP, reservoir.....	1	
18	1J3-25854-51-00	DIAPHRAGM, reservoir.....	1	
19	1J3-25855-51-00	BUSH, diaphragm.....	1	
20	95706-05100-00	NUT, flange.....	3	
21	90153-10015-00	SCREW, hexagon.....	1	
22	90201-10610-00	WASHER, plate	1	

*Indicates new part numbers activated from March, 1983.

11G171-2400

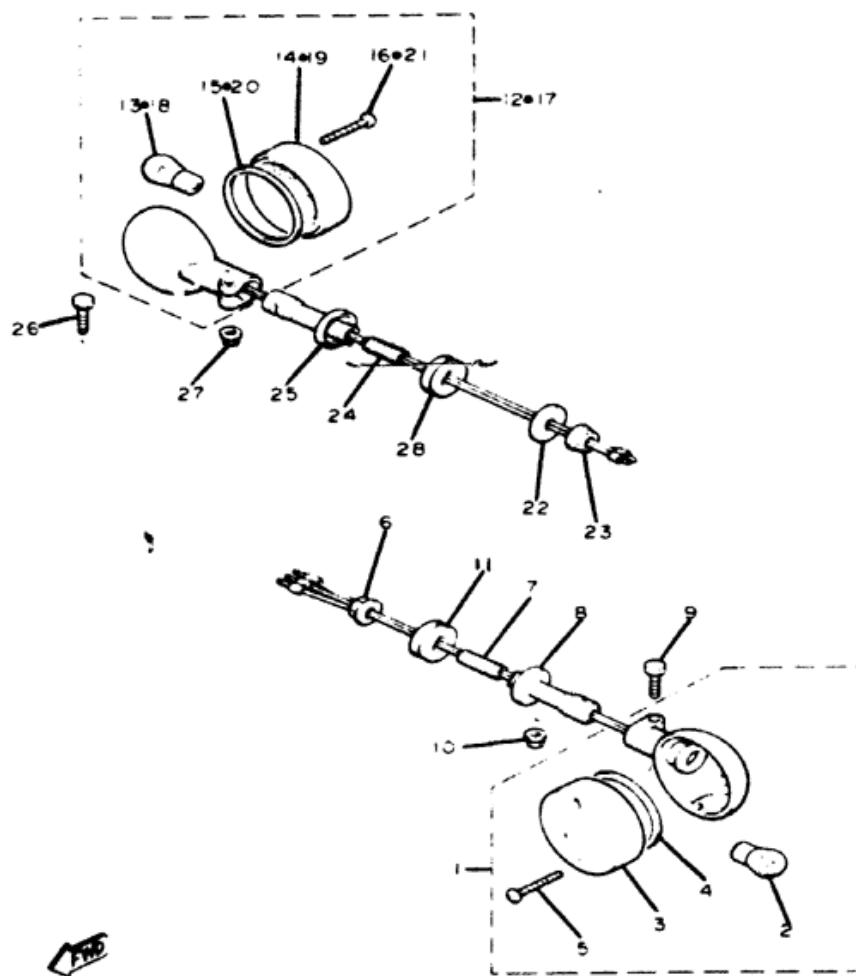
BRAKE



Ref. No.	Part Number	Description	Qty.	Remarks
23	10M-25984-00-00	SUPPORT, bracket.....	1	
24	97306-06010-00	BOLT	1	
25	92906-06100-00	WASHER, spring.....	1	
26	4W1-25884-00-00	VALVE, proportioning	1	
27	97301-06035-00	BOLT	1	
28	92903-06100-00	WASHER, spring (92901-06100)	1	
29	10M-25871-00-00	PIPE, brake	1	
30	90105-08141-00	BOLT, washer based.....	2	
31	4W1-25874-50-00	HOSE, brake.....	1	
32	4H3-25877-00-00	BOLT, oil 1	2	
33	90201-10118-00	WASHER, plate	4	
34	5G2-85702-00-00	LEAD SWITCH ASS'Y.....	1	

11G171-2400

FLASHER LIGHT



FWD

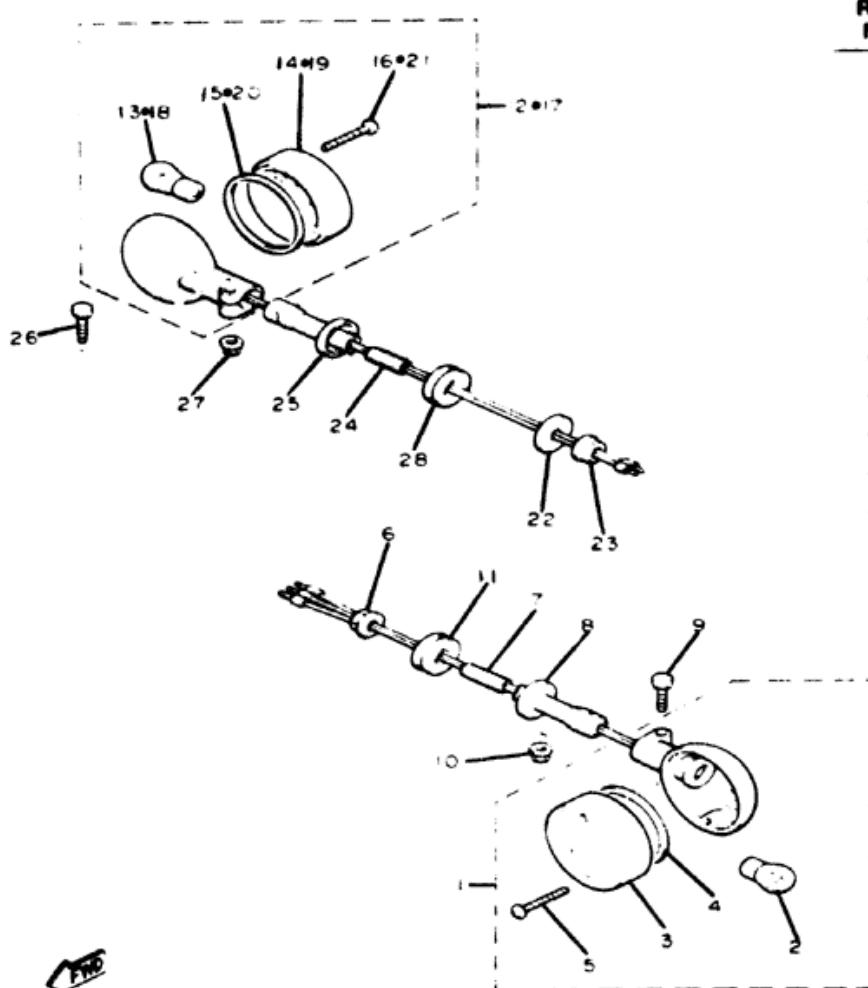
11G171-2410

Ref. No.	Part Number	Description	Qty.	Remarks
1	10M-83310-K0-00	FRONT FLASHER LIGHT ASS'Y 1	2	
2	256-84714-61-00	. BULB (12V-27/8W)	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	95702-12100-00	NUT, flange	2	
7	10M-83325-00-00	BOLT, flasher stay fitting	2	
8	4X7-83328-00-00	STAY, flasher 2	2	
9	97301-06030-00	BOLT (97303-06030)	2	
10	95701-06100-00	NUT, flange	2	
11	341-83321-01-00	DAMPER, flasher 1	2	
12	10M-83330-E0-00	REAR FLASHER LIGHT ASS'Y 1	1	
13	256-83311-70-00	. BULB (12V-27W)	1	
14	4H7-83312-00-00	. LENS, flasher	1	
15	4H7-83313-00-00	. GASKET, flasher lens	1	
16	98501-03030-00	. SCREW, pan head	2	

Headlight / Taillight / Signal Rating

12V60-55W / 12V27-8W / 12V27W

FLASHER LIGHT

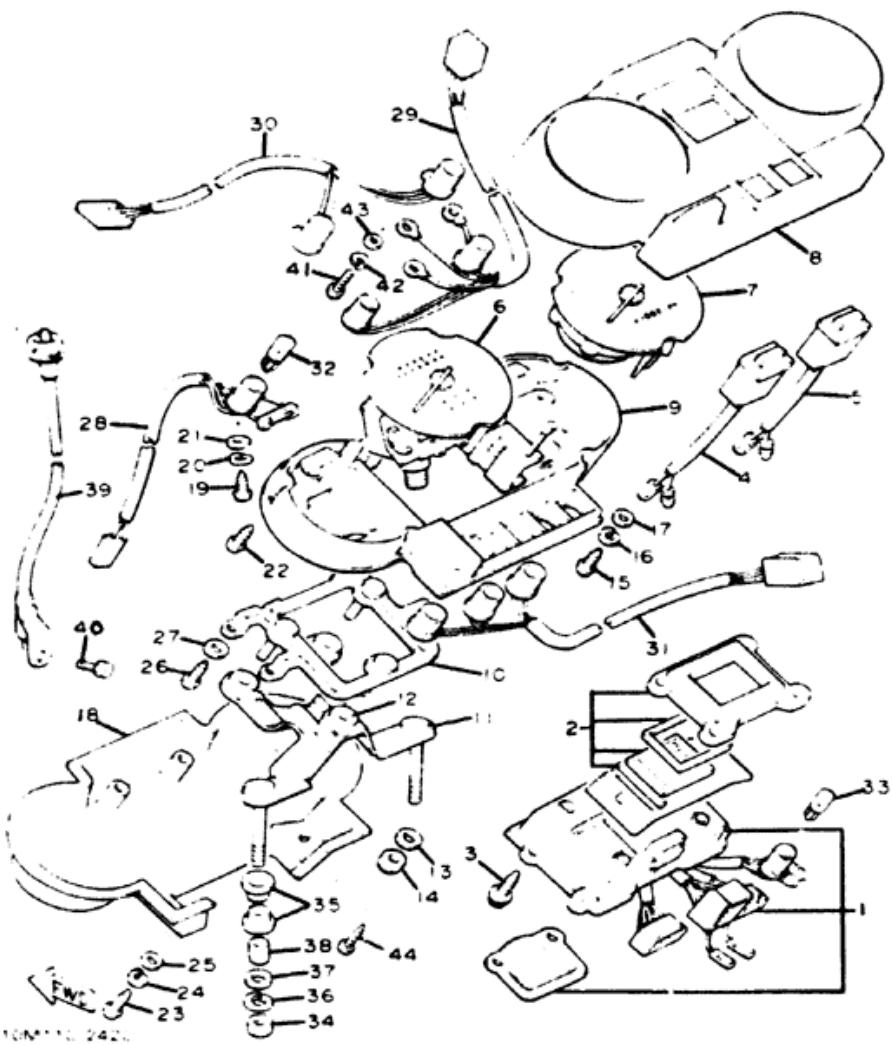


FWD
FIG 71-241C

Headlight / Taillight / Signal Rating

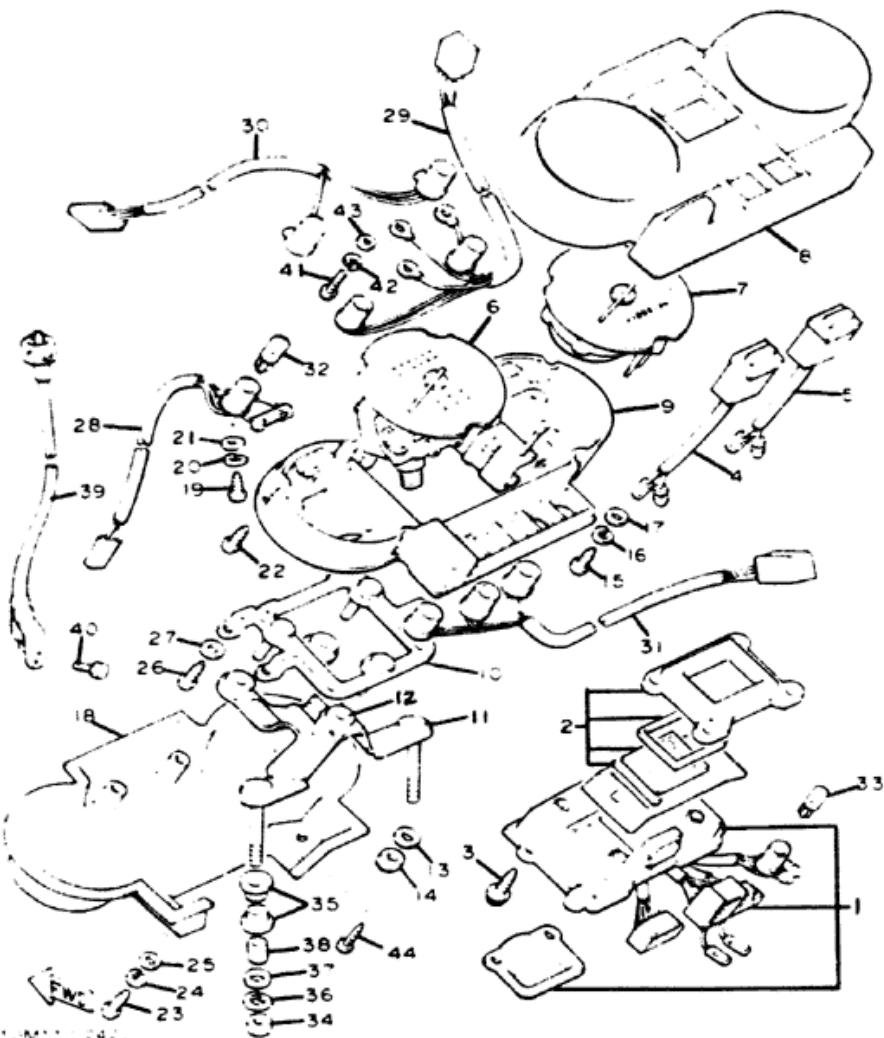
12V60-55W / 12V27-6W / 12V27W

SPEEDOMETER - TACHOMETER



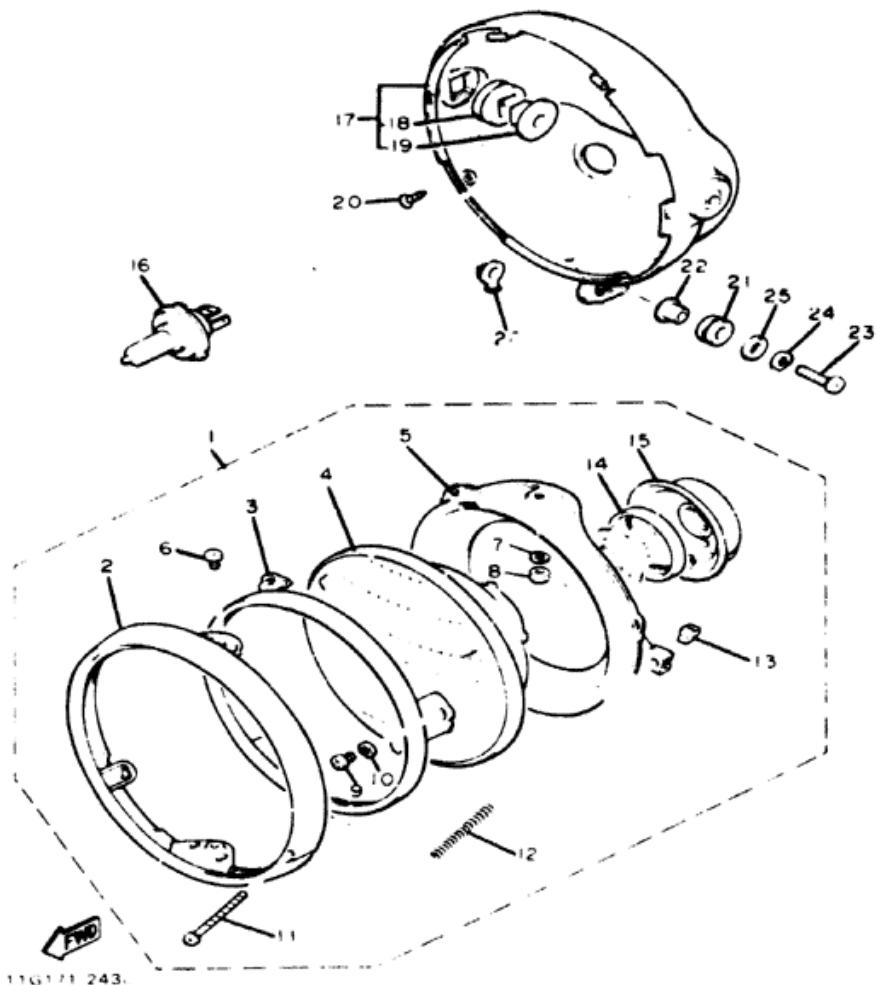
Ref. No.	Part Number	Description	Qty.	Remarks
1	10M-W8352-00-00	PRINT BOARD ASS'Y	1	
2	10M-W8351-01-00	LCD UNIT SET (10M-W8351-00)	1	
3	90159-04055-00	SCREW, with washer.....	4	
4	5G2-8358J-10-00	SWITCH, meter control	1	
5	5G2-8358J-20-00	SWITCH, meter control	1	
6	10M-83570-A0-00	SPEEDOMETER ASS'Y	1	
7	10M-83540-00-00	TACHOMETER ASS'Y	1	
8	10M-83559-00-00	COVER, meter	1	
9	10M-8353H-00-00	CASE, inner	1	
10	10M-83519-50-00	BRACKET, meter.....	1	
11	10M-83519-00-00	BRACKET, meter.....	1	
12	4X7-83523-00-00	DAMPER.....	3	
13	90201-052E2-00	WASHER, plate.....	3	
14	95301-05600-00	NUT.....	3	
15	98501-04012-00	SCREW, pan head.....	2	
16	92901-04100-00	WASHER, spring.....	2	
17	92901-04600-00	WASHER, plate.....	2	
18	10M-83579-00-00	COVER, meter 2	1	
19	98501-04008-00	SCREW, pan head.....	2	
20	92901-04100-00	WASHER, spring.....	2	
21	92901-04600-00	WASHER, plate.....	2	
22	97702-40512-00	SCREW, tapping	6	

SPEEDOMETER - TACHOMETER



Ref. No.	Part Number	Description	Qty.	Remarks
23	98503-04010-00	SCREW, pan head.....	2	
24	92901-04100-00	WASHER, spring.....	2	
25	92901-04600-00	WASHER, plate.....	2	
26	98501-04008-00	SCREW, pan head.....	4	
27	92901-04600-00	WASHER, plate.....	4	
28	10M-83520-20-00	SOCKET CORD ASS'Y.....	1	
29	10M-83520-10-00	SOCKET CORD ASS'Y.....	1	
30	10M-83509-10-00	SOCKET CORD ASS'Y.....	1	
31	10M-83509-00-00	SOCKET CORD ASS'Y.....	1	
32	4G1-84744-00-00	BULB (12V-3.4W).....	8	
33	4G1-84744-00-00	BULB (12V-3.4W).....	1	
34	95301-06600-00	NUT.....	2	
35	584-83541-00-00	DAMPER.....	4	
36	92903-06100-00	WASHER, spring (92901-06100)	2	
37	90201-06087-00	WASHER, plate.....	2	
38	90387-06249-00	COLLAR	2	
39	10M-83550-00-00	SPEEDOMETER CABLE ASS'Y	1	
40	90153-06004-00	SCREW, hexagon	1	
41	98501-03008-00	SCREW, pan head.....	3	
42	92903-03100-00	WASHER, spring (92901-03100)	3	
43	[92901-03600-00]	WASHER, plate.....	3	
44	90164-04009-00	SCREW, tapping	3	N/A

HEADLIGHT

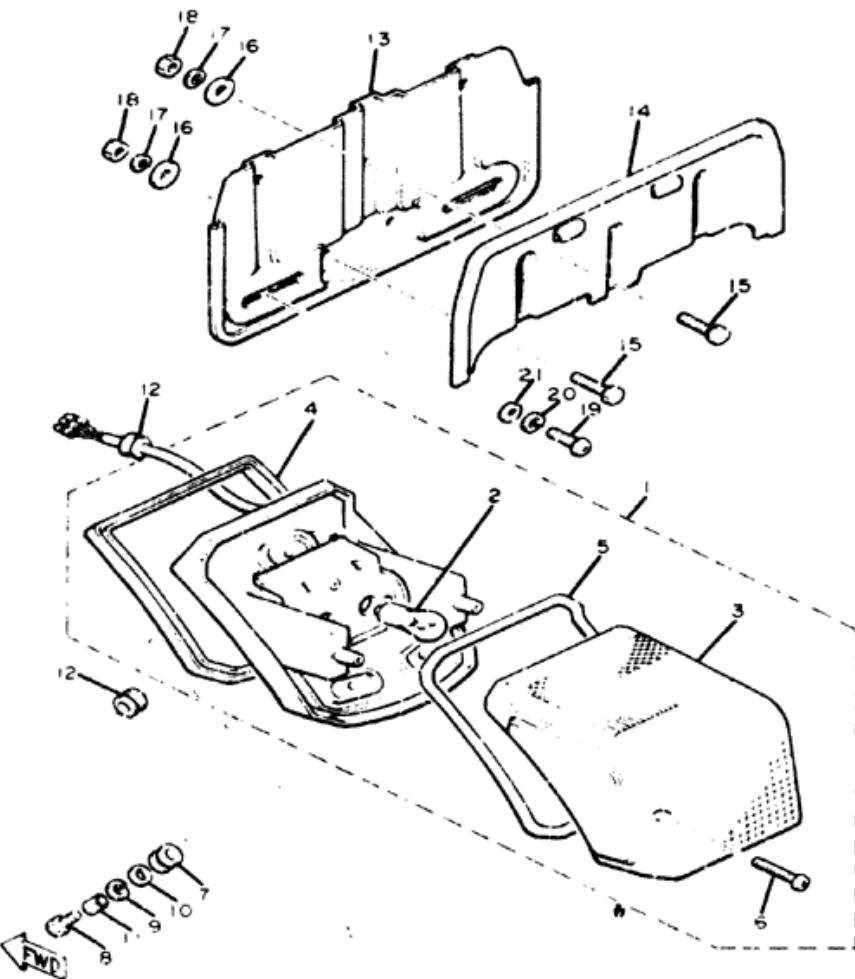


Ref. No.	Part Number	Description	Qty.	Remarks
1	2F3-84303-A0-00	HEADLIGHT UNIT ASS'Y	1	
2	341-84315-40-00	. RIM, headlight	1	
3	2F9-84395-00-00	. RING, retaining.....	1	
4	2F3-84321-A0-00	. LENS, headlight	1	
5	2F9-84394-00-00	. RING, mounting	1	
6	98501-05010-00	. SCREW, pan head	2	
7	92903-05100-00	. WASHER, spring (92901-05100)	2	
8	95301-05600-00	. NUT	2	
9	98501-04008-00	. SCREW, pan head	3	
10	92901-04100-00	. WASHER, spring	3	
11	2F9-84331-00-00	. SCREW, rim adjusting.....	1	
12	341-84332-60-00	. SPRING, screw	1	
13	198-84334-60-00	. NUT, adjusting	1	
14	2F9-84375-00-00	. FITTING PLATE, bulb	1	
15	2F9-84397-01-00	. COVER, socket.....	1	
16	5V2-84314-00-XX	BULB (12V-60/55W).....	1	
17	10M-84330-00-93	BODY ASS'Y	1	Chrome Plated
18	10M-84345-00-00	. DAMPER, headlight.....	2	
19	10M-84338-00-00	. COLLAR, body fitting.....	3	
20	90152-05005-00	SCREW, countersunk.....	2	
21	90480-13163-00	GROMMET.....	1	
22	90387-061F9-00	COLLAR	1	
23	92503-06020-00	SCREW, pan head (92501-06020)	1	
24	92903-06100-00	WASHER, spring (92901-06100)	1	
25	90201-08557-00	WASHER, plate	1	
26	4K0-84327-00-00	WASHER, special	1	

Headlight / Taillight / Signal Rating

12V60-55W / 12V27-8W / 12V27W

TAILLIGHT



110-171-2440

Ref. No.	Part Number	Description	Qty.	Remarks
1	10M-84710-60-00	TAILLIGHT UNIT ASS'Y.....	1	
2	256-84714-61-00	. BULB (12V-27/8W).....	2	
3	10M-84721-00-00	. LENS, taillight.....	1	
4	10M-84712-00-00	. SEAT, base.....	1	
5	10M-84723-00-00	. GASKET, tail lens.....	1	
6	97701-40130-00	. SCREW, pan head tapping....	2	
7	90480-15318-00	GROMMET.....	3	
8	97301-06025-00	BOLT (97302-06024).....	3	
9	92903-06100-00	WASHER, spring (92902-06100)	3	
10	90201-06765-00	WASHER, plate.....	3	
11	90387-06026-00	COLLAR	3	
12	90480-15061-00	GROMMET.....	2	
13	10M-84751-10-00	BRACKET, license.....	1	
14	10M-84750-00-93	STOPPER, number plate (10M-84750-00)	1	
15	97301-06016-00	BOLT	3	
16	90201-06765-00	WASHER, plate.....	3	
17	92903-06100-00	WASHER, spring (92902-06100)	3	
18	95302-06600-00	NUT.....	3	
19	92503-06012-00	SCREW, pan head (92501-06012)	2	
20	92903-06100-00	WASHER, spring (92901-06100)	2	
21	92903-06200-00	WASHER, plain (92901-06200)	2	

Headlight / Taillight / Signal Rating

12V60-55W / 12V27-8W / 12V27W

HANDLE SWITCH - LEVER

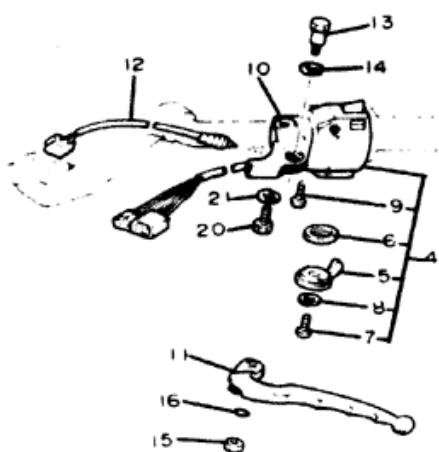
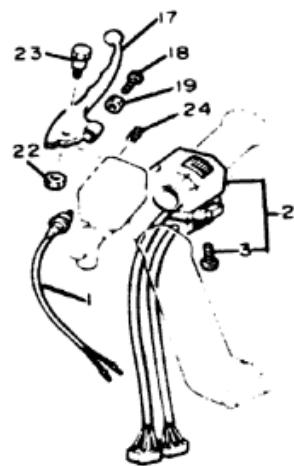
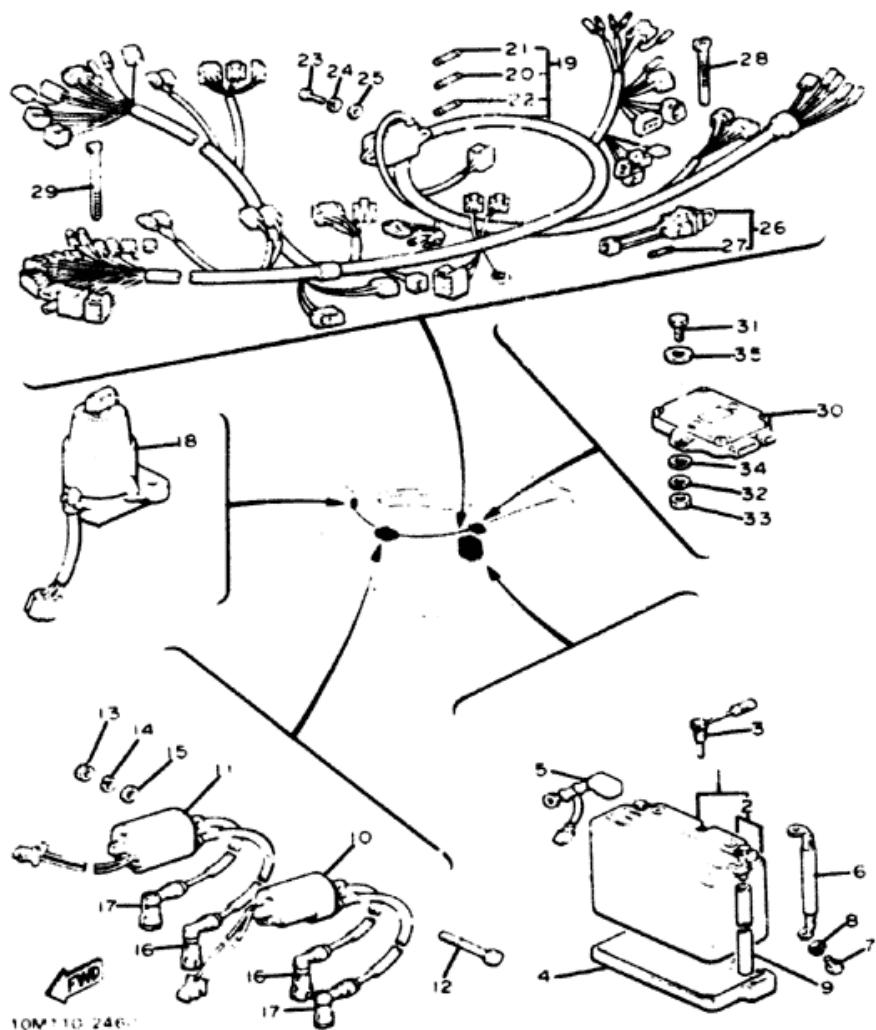


FIG171 2450

Ref. No.	Part Number	Description	Qty	Remarks
1	1A0-83980-30-00	FRONT STOP SWITCH ASS'Y ...	1	
2	10M-83963-00-00	SWITCH, handle 3	1	
3	98506-05020-00	SCREW, pan head	2	
4	10M-83973-00-00	SWITCH, handle 3	1	
5	10M-83941-00-00	LEVER, starter	1	
6	90209-10131-00	WASHER	1	
7	92501-06008-00	SCREW, pan head	1	
8	92903-06100-00	WASHER, spring (92901-06100)	1	
9	98506-05020-00	SCREW, pan head	2	
10	10M-82911-00-00	HOLDER, lever 1	1	
11	10M-83912-00-00	LEVER 1	1	
12	3Y6-82917-00-00	SWITCH	1	
13	90109-06576-00	BOLT	1	
14	90201-082A9-00	WASHER, plate	1	
15	95606-06100-00	NUT, U	1	
16	93210-11368-00	O-RING	1	
17	2J2-83922-00-00	LEVER 2	1	
18	90149-06131-00	SCREW	1	
19	90170-06010-00	NUT	1	
20	97306-06022-00	BOLT	1	
21	92906-06100-00	WASHER, spring	1	
22	95601-06100-00	NUT, U	1	
23	90109-06465-00	BOLT	1	
24	90501-10510-00	SPRING, compression	1	

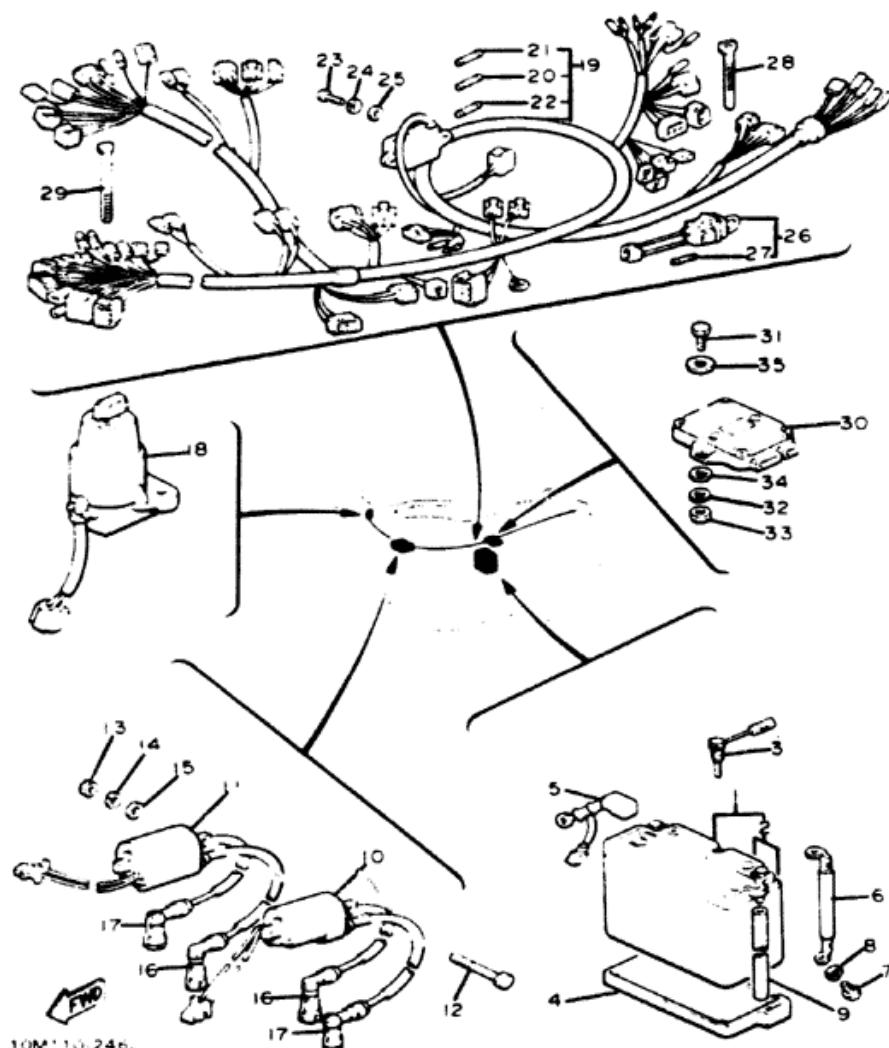
ELECTRICAL 1



Ref. No.	Part Number	Description	Qty.	Remarks
1	11K-82110-60-00	BATTERY ASS'Y	1	
2	LIT-82141-09-00	. LABEL, battery (118-82141-09)	1	
3	5G2-82120-00-00	SENDER, battery.....	1	
4	2H7-82122-01-00	SEAT, battery.....	1	
5	10M-82115-00-00	WIRE, plus lead.....	1	
6	10M-82116-00-00	WIRE, minus lead.....	1	
7	92503-06012-00	SCREW, pan head (92501-06012)	1	
8	92903-06100-00	WASHER, spring (92901-06100)	1	
9	90445-08336-00	HOSE.....	1	
10	4H7-82310-60-00	IGNITION COIL ASS'Y.....	1	
11	4H7-82320-60-00	IGNITION COIL ASS'Y.....	1	
12	97301-06085-00	BOLT	2	
13	95302-06600-00	NUT	2	
14	92903-06100-00	WASHER, spring (92902-06100)	2	
15	92903-06200-00	WASHER (92902-06200).....	2	
16	1J7-82370-00-00	PLUG CAP ASS'Y	2	
17	256-82370-00-00	PLUG CAP ASS'Y	2	
	1J7-82370-10-00	PLUG CAP ASS'Y (with noise suppressor)	2	Alternate Part
	2H8-82370-10-00	PLUG CAP ASS'Y (with noise suppressor)	2	Alternate Part

Battery, Model / Specific Gravity / Charge Rate	GS GM18Z-3A (12V 20AH) / 1.26 / 2.0A
Maximum Output	14V 26A @ 5000 rpm
TROUBLESHOOTING	
Ignition Coil Test Gap / Primary Ω / Secondary Ω	6mm / 2.50 ± 10% / 11KΩ ± 20%
Pulser Coil or Pickup Coil Color Code / Ω	Org ~ Blk / Grn ~ Blk / 120Ω ± 10%
Source Coil Color Code / Ω	Ω
LIGHTING SYSTEM	
Headlight / Taillight / Signal Rating	12V60-55W 12V27-8W 12V27W

ELECTRICAL 1



Ref. No.	Part Number	Description	Qty.	Remarks
18	10M-82508-50-00	MAIN SWITCH ASS'Y	1	
19	10M-82590-50-00	WIRE HARNESS ASS'Y.....	1	
20	1A0-82151-00-00	. FUSE (12V-10A).....	3	
21	1A0-82161-00-00	. FUSE (12V-20A).....	1	
22	3H5-81980-00-00	. DIODE	1	
23	98501-05016-00	SCREW, panhead	2	
24	92903-05100-00	WASHER, spring (92901-05100)	2	
25	92901-05600-00	WASHER, plate	2	
26	3H5-82150-00-00	FUSE HOLDER ASS'Y	1	
27	2H7-82151-00-00	. FUSE (12V-30A).....	2	
28	447-82591-00-00	BAND	1	
29	435-13474-00-00	BAND	4	
30	10M-82305-10-00	IGNITOR UNIT ASS'Y	1	
31	97301-08020-00	BOLT	2	
32	92903-06100-00	WASHER, spring (92901-06100)	2	
33	95301-06600-00	NUT	2	
34	92903-06200-00	WASHER, plain (92901-06200)	2	
35	90201-06063-00	WASHER, plate	2	

TROUBLESHOOTING

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 / 1200 ± 10%

SOURCE COIL COLOR CODE / Ω

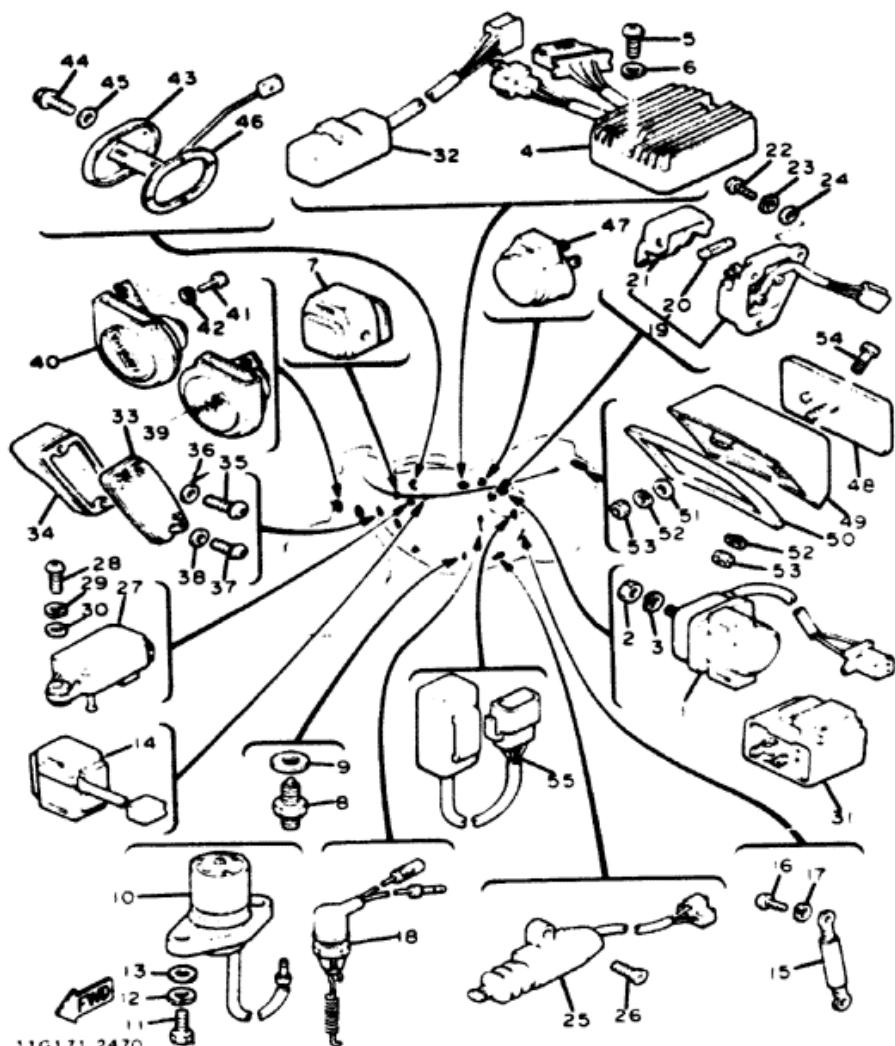
LIGHTING SYSTEM

Headlight / Taillight / Signal Rating 12V60-55W / 12V27-8W / 12V27W

Battery: Model / Specific Gravity / Charge Rate GS GM18Z-3A (12V 20AH) / 1.28 / 2.0A

Maximum Output 14V 26A @ 5000 rpm

ELECTRICAL 2



Ref. No.	Part Number	Description	Qty.	Remarks
1	22U-81940-00-00	STARTER SWITCH ASS'Y (3H5-81940-00-00).....	1	
2	95301-06700-00	NUT.....	2	
3	92903-06100-00	WASHER, spring (92901-06100)	2	
4	10M-81960-A0-00	RECTIFIER & REGULATOR ASS'Y	1	
5	92501-06030-00	SCREW, pan head.....	2	
6	92903-06100-00	WASHER, spring (92901-06100)	2	
7	4U8-81950-00-00	SIDE STAND RELAY ASS'Y	1	U.R.
	12R-81950-00-00	STARTER CIRCUIT CUT-OFF RELAY (4H7-81950-01)	1	U.R.
8	2H7-82540-00-00	NEUTRAL SWITCH ASS'Y	1	
9	90430-10148-00	GASKET	1	
10	10M-85720-00-00	OIL LEVEL GAUGE ASS'Y.....	1	
11	97321-06020-00	BOLT	2	
12	92903-06100-00	WASHER, spring (92901-06100)	2	
13	92901-06600-00	WASHER, plate	2	
14	2H7-82576-00-00	EMERGENCY STOP SWITCH ASS'Y	1	
15	2H7-82519-00-00	WIRE, earth lead.....	1	
16	92503-06012-00	SCREW, pan head (92501-06012)	1	
17	92903-06100-00	WASHER, spring (92901-06100)	1	

TROUBLESHOOTING

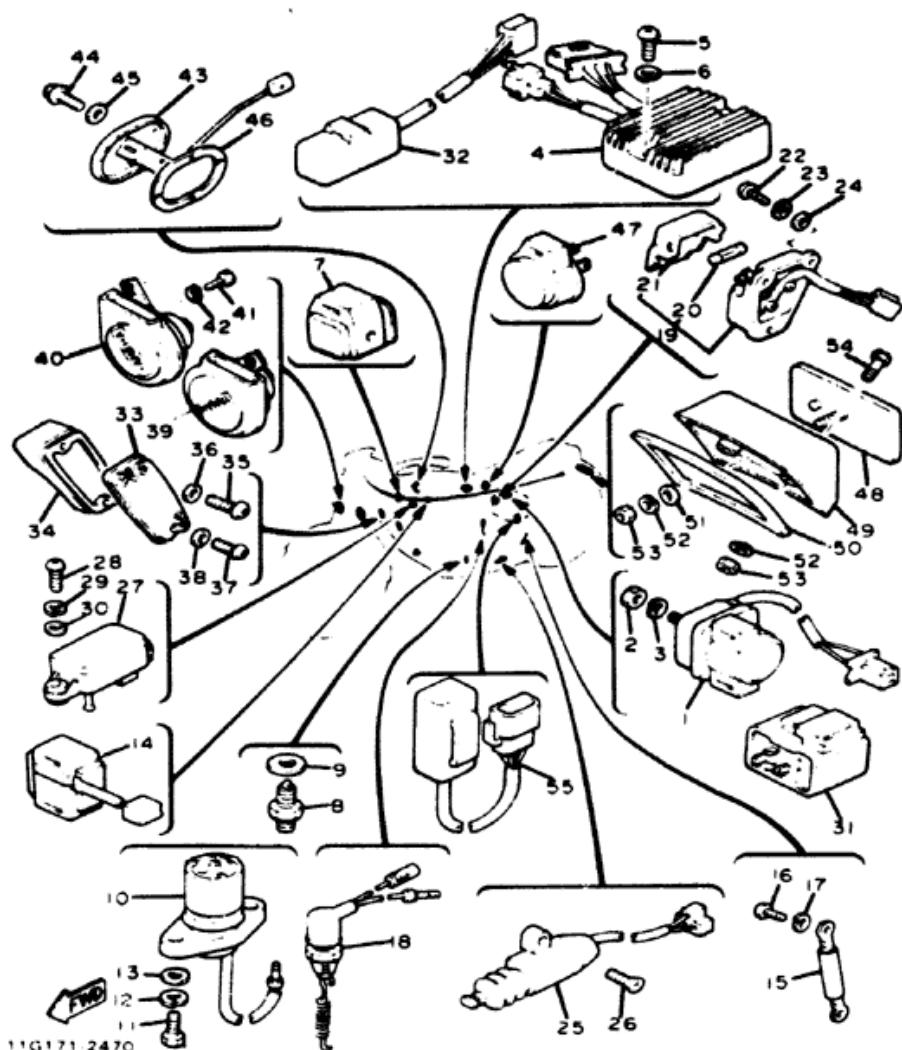
Ignition Coil Test Gap : Primary Ω : Secondary Ω	6mm 2.50 ± 10% 11KΩ ± 20%
Pulser Coil or Pickup Coil Color Code : Ω	Org ~ Blk / Gry ~ Blk / 1200 ± 10%
Source Coil Color Code : Ω	Ø

LIGHTING SYSTEM

Headlight : Taillight : Signal Rating

12V60-55W : 12V27-8W : 12V27W

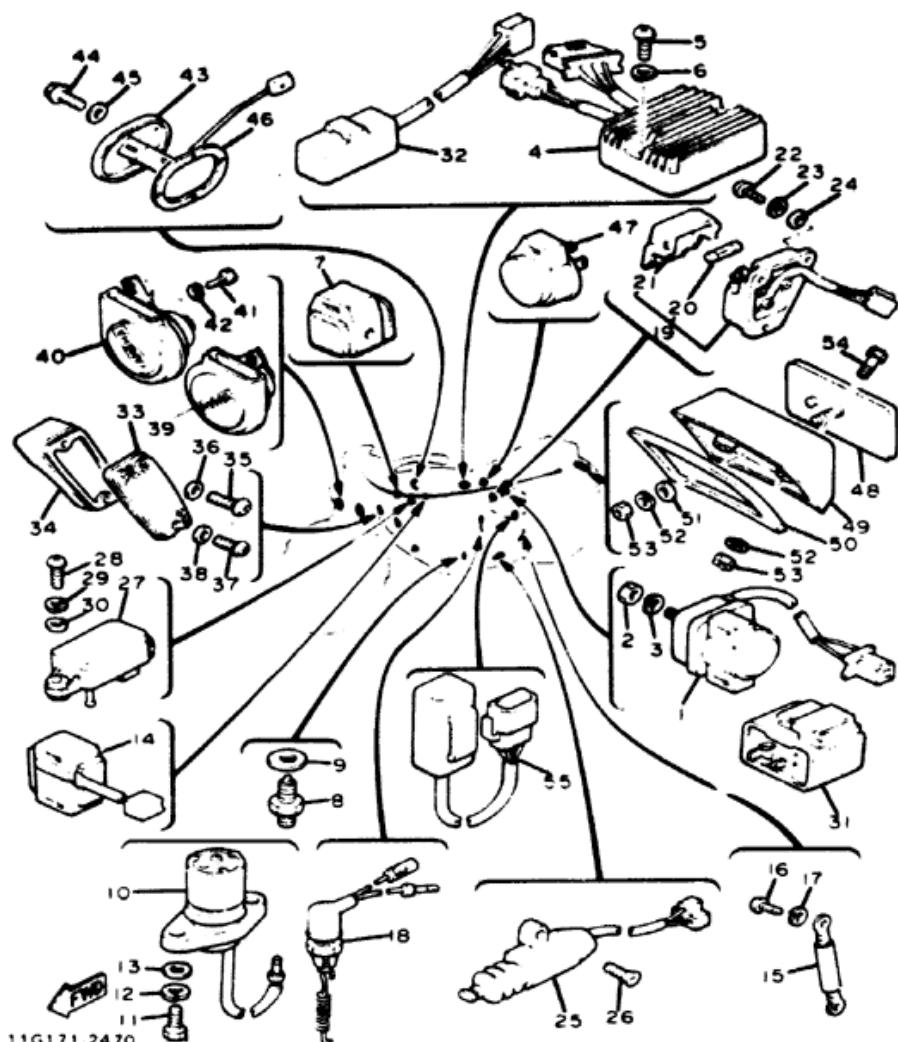
ELECTRICAL 2



Ref. No.	Part Number	Description	Qty.	Remarks
18	1J7-82530-00-00	STOP SWITCH ASS'Y	1	
19	2H7-81920-00-00	TERMINAL ASS'Y.....	1	
20	1A0-82151-00-00	. FUSE (12V-10A).....	1	
21	2H7-81916-00-00	. COVER, terminal	1	
22	98501-05018-00	SCREW, pan head.....	3	
23	92903-05100-00	WASHER, spring (92901-05100)	3	
24	92901-05600-00	WASHER, plate.....	3	
25	10M-82566-00-00	SWITCH, side stand.....	1	
26	98706-05020-00	SCREW, flat head.....	2	
27	10M-82380-10-00	SENSOR, pressure	1	
28	92503-06020-00	SCREW, pan head (92501-06020)	2	
29	92903-06100-00	WASHER, spring (92902-06100)	2	
30	90201-06067-00	WASHER, plate.....	2	
31	4E6-83350-70-00	FLASHER RELAY ASS'Y	1	
32	1A0-83395-03-00	FLASHER CANCELLING UNIT...	1	
33	3G1-85110-00-00	FRONT REFLECTOR ASS'Y ...	2	
34	3J6-85127-00-00	BASE, reflector	2	
35	98501-04035-00	SCREW, pan head.....	2	
36	92901-04600-00	WASHER, plate.....	2	
37	98503-04014-00	SCREW, pan head (98503-04015)	2	
38	92901-04600-00	WASHER, plate.....	2	

TROUBLESHOOTING	
Ignition Coil Test Gap / Primary Ω / Secondary Ω	6mm : $2.50 \pm 10\%$ / $11KΩ \pm 20\%$
Pulser Coil or Pickup Coil Color Code / Ω	Org ~ Blk / Gry ~ Blk / $1200 \pm 10\%$
Source Coil Color Code / Ω	Ω
LIGHTING SYSTEM	
Headlight / Taillight / Signal Rating	12V60-55W / 12V27-8W / 12V27W

ELECTRICAL 2



Ref. No.	Part Number	Description	Qty.	Remarks
39	10M-83371-20-00	HORN	1	
40	10M-83371-30-00	HORN	1	
41	97306-08014-00	BOLT	2	
42	92906-08100-00	WASHER, spring	2	
43	10M-85752-00-00	SENDER UNIT ASS'Y, fuel meter	1	
44	95802-08014-00	BOLT, flange (95801-08014)....	4	
45	90202-08010-00	WASHER, plate	4	
46	2H7-85753-00-00	GASKET, sender unit	1	
47	3H5-83360-00-00	HAZARD FLASHER RELAY ASS'Y	1	
48	3Y6-85130-00-00	REAR REFLECTOR ASS'Y.....	1	
49	10M-85137-00-00	BASE, reflector rear	1	
50	10M-85129-00-00	GASKET, reflector.....	1	
51	92901-05200-00	WASHER (92902-05200).....	1	
52	92903-05100-00	WASHER, spring (92902-05100)	3	
53	95301-05600-00	NUT (95302-05600)	3	
54	97301-05020-00	BOLT	2	
55	10M-84308-00-00	RESERVE LIGHTING UNIT ASS'Y	1	

TROUBLESHOOTING	
Ignition Coil Test Gap / Primary Ω / Secondary Ω	6mm / 2.50 ± 10% / 11KΩ ± 20%
Pulser Coil or Pickup Coil Color Code / Ω	Org ~ Blk / Gry ~ Blk / 120Ω ± 10%
Source Coil Color Code / Ω	Ø
LIGHTING SYSTEM	
Headlight / Taillight / Signal Rating	12V60-55W / 12V27-8W / 12V27W

SERVICE DATA

FILE MOTORCYCLE - 1100 SECTION

DATE 1/29/82

BUL M82-005

XJ1100J 1982 SERVICE DATA

MODEL • IBM I.D. NUMBER	XJ1100J-B	XJ1100J-R	10M
Initial Engine Number / Frame Number	10M-000101	10M-000101	
Basic Color(s)	New Yamaha Black (B)	New Ruby Red (R)	
Fuel Type / Fuel Tank Capacity / Reserve Capacity	Regular / 19 Lit. / 4.1 Lit.		
Dry Vehicle Weight	257 kg		
ENGINE TYPE	4-Stroke, DOHC, Transverse Four		
Bore/Stroke/Number Cylinders/Displacement (cc)	74.5mm / 68.6mm / 4 / 1101cc		
Compression Ratio/Compression Pressure	9.0:1 / 10.0 kg/cm ²		
Piston Skirt Clearance New / Max	0.050 ~ 0.055mm / 0.1mm		
Ring End Gap Top / 2nd / 3rd	0.2 ~ 0.4mm / 0.2 ~ 0.4mm / 0.2 ~ 0.9mm		
Valve Clearance (Cold) Intake / Exhaust	0.11 ~ 0.15mm / 0.21 ~ 0.25mm		
Oil Pressure Hot / rpm	1.5 kg/cm ² @ 60°C / 1100 rpm @ Oil Pressure Switch		
Oiling System	Wet Sump		
Capacity: Dry	4000cc		
Oil and Filter Change	3500cc		
Oil Change	3000cc		
Lubricant: Temp. Above 5°C (40°F)	Yamalube 4 [°] or SAE 20W40 SE		
Temp. Below 15°C (60°F)	SAE 10W30 SE		
Cooling System / Capacity	Air / Ø		
Coolant / Mixing Ratio	Ø / Ø		
AUTOLUBE - Min Stroke / Color Code	Ø		
Minimum Output @ 200 Cycles	Ø		
Maximum Output @ 200 Cycles	Ø		
CARBURETOR - Mfr. / Type / I.D. Number	Mikuni / BS34 / 10M-00		
Main Jet / Pilot Jet	112.5 / 47.5		
Needle Jet / Jet Needle-Clip Position	X-2 / 5GLZ-34 Fixed		
Slide Cutaway or Throttle Valve	135		
Float Level / Fuel Level	NA / 3.0 ± 1mm		
Idle rpm	1100 rpm		
Max CO* / Max HC* / Set CO	6.0% / 800 ppm / 3.0% (All Settings @ Idle)		
SUSPENSION			
Front Forks: Oil Type / Level / Qty	10 Wt. Fork Oil* / 210mm / 250cc		
Air Pressure Min ~ Max / Standard	0.4 ~ 1.2 kg/cm ² / 0.4 kg/cm ²		
Spring Length Std	599.2mm		
Monoshock: Oil Type / Qty	Ø		
Air Pressure: Min ~ Max / Standard	1.0 ~ 4.0 kg/cm ² / 1.0 kg/cm ²		
Minimum Brake Lining Thickness	Front: 0.8mm Rear: 0.6mm		
Tire Size (Nominal Pressure)	F:3.50H19 (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 Gear / 25-25 x 58-35 / 1.657		
Secondary Drive Type / Teeth / Chain	Shaft / 44-47 x 19-18 x 33-10 / 3.261		
Clutch Friction Plate Thickness Std ~ Min	3.0 ~ 2.8mm		
Clutch Spring Length Std ~ Min	42.8 ~ 41.8mm		
Middle Gear Case Capacity	375cc		
Final Gear Case Capacity	300cc		
Gear Case Lubricant: Temp. Above 5°C (40°F)	SAE 90 Hypoid Gear Oil GL-4		
Temp. Below 15°C (60°F)	SAE 80 Hypoid Gear Oil GL-4		
All Weather Conditions	SAE 80W90 Hypoid Gear Oil GL-4		

CHARGING SYSTEM	AC Generator / 3-Phase / Full Wave
Battery: Model / Specific Gravity / Charge Rate	GS GM18Z-3A (12V 20AH) / 1.28 / 2.0A
Maximum Output	14V 26A @ 5000 rpm
TROUBLESHOOTING	
Field Coil Color Code / Ø	Rotor: Gm ~ Blk / 4.0Ω ± 10% Stator: Wht ~ Wht / 0.37Ω ± 10%
Charge Coil Color Code / Ø	Ø
IGNITION SYSTEM	Transistor-Controlled Ignition
Ignition Timing	15° Mark
Spark Plug Type	5° @ 1100 rpm Full Adv: 36° @ 5500 rpm
Spark Plug Gap / Torque / Cap Ø	NGK BP6ES or ND W20EP-U
Point Gap / Condenser Capacitance	0.7 ~ 0.8mm / 2.0 m-kg / 5KΩ ± 10%
TROUBLESHOOTING	Ø / Ø
Ignition Coil Test Gap / Primary Ø / Secondary Ø	6mm / 2.5Ω ± 10% / 11KΩ ± 20%
Pulser Coil or Pickup Coil Color Code / Ø	Org ~ Blk / Gry ~ Blk / 120Ω ± 10%
Source Coil Color Code / Ø	Ø
LIGHTING SYSTEM	
Headlight / Taillight / Signal Rating	12V60-55W / 12V27-8W / 12V27W
TROUBLESHOOTING	
Lighting Coil Color Code / Ø	Ø
TORQUE VALUES	
Front Axle Nut	14 x 1.5: 11.0 m-kg
Front Axle Holder Nut	8 x 1.5: 2.0 m-kg
Rear Axle Nut	18 x 1.5: 15.0 m-kg
Rear Axle Pinch Bolt	8 x 1.25: 0.6 m-kg
Clutch Nut	18 x 1.0: 7.0 m-kg
Drain Plug	14 x 1.5: 4.25 m-kg
Cylinder Head Cover	6 x 1.0: 1.0 m-kg
Cylinder Head:	10 x 1.25: 3.5 m-kg (Use Oil)
Engine Mounting Bolts: Front, Upper	Nut 8 x 1.25: 2.0 m-kg Bolt 6 x 1.0: 1.0 m-kg
Front, Lower	10 x 1.25: 6.7 m-kg
Rear	12 x 1.25: 10.0 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-11626-02-78	
Service Manual	LIT-11616-02-78	
Assembly Manual	LIT-11666-02-78	
Consumer Information	LIT-11656-02-78	