



YAMAHA

PARTS CATALOGUE

MODEL YEAR 1982 XJ650RJ (5V2)

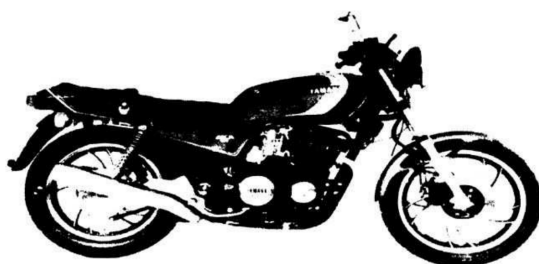
(A) Frame Serial No.	SV2-0000101 and following
(B) Engine Serial No.	SV2-0000101 and following



XJ650RJ VIN #: JYA-SV200 JCA-000101

PUBLICATION	PART NUMBER	REMARKS
OWNER'S MANUAL	LIT-11626-02-86	
SERVICE MANUAL	LIT-11616-02-86	SUPPLEMENT TO XJ650U LIT-11616-01-84
ASSEMBLY MANUAL	LIT-11666-02-86	
CONSUMER MANUAL	LIT-11656-02-86	
LEAFLET	LIT-11119-02-53	

MODEL - BSA I.D. NUMBER	XJ650RJ	5V2
Initial Engine Number / Frame Number	SV2-000101 / SV2-000101	
Basic Color(s)	Quartz Silver	
Fuel Type / Fuel Tank Capacity / Reserve Capacity	Regular / 17.5 L / 3.8 L	
Dry Vehicle Weight	227 kg	
ENGINE TYPE	4-Stroke, Air-Cooled, DOHC, Parallel Four	
Bore / Stroke / Number of Cylinders / Displacement (cc)	63mm / 52.4mm / 4 / 663cc	
Compression Ratio / Compression Pressure (Min-Max)	9.2:1 / 9.5 ~ 11 kg/cm ²	



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FOREWORD

FOREWORD

This parts catalog lists parts and sub-assemblies for the XJ650RJ. When preparing a parts order, please refer to the most recently updated microfiche for the model.

I. How to Read the Yamaha Part Number

A. Factory O.E.M. parts are divided into two general categories: General Parts and Interchangeable Parts.

B. General Parts - Refers to parts manufactured for one or more specific Yamaha models (i.e.: pistons, frames, crankcases, fuel tanks, etc.). This twelve-digit part number is structured as follows: 000-00000-00-00.

Pre-1976 GENERAL PART numbers are constructed as follows:

General Parts: 000 - 00000 - 0 0 - 00

Model Code No. _____

Basic Code No. _____

Design Code No. _____

Design Change Code No. _____

Color Code No. _____

GENERAL PART numbers, for all models manufactured after 1975, are constructed as follows.

Due to the amount of new parts being added to Yamaha's system, and the lack of available numerals for the assigning of new part numbers, it has become necessary to use an alpha-numerical system in the numbering of new parts. At the present time, Yamaha will be or is using seventeen letters in the alpha-numeric system. These letters are: A, E, F, G, H, J, K, L, M, N, R, T, U, V, W, X & Y. An "X" within the part number structure of the General Parts group indicates a position in which a letter may be used in place of a number. For example: XX0-X000X-X0-X0. The group breakdown of the general part number structure is:

1. Model Code Number Data: XX0-X000X-X0-X0

The first three digits within the general part number structure are model designation numbers. Within this three-digit group, two numbers may be replaced with letters.

- a. If the first figure of the model code group is "Y" (i.e.: Y00-00000-00-00), the part is imported to the U.S. from a source other than Japan. For example: YG4-11000-22-0G - Middle Gear Case Assembly. This indicates that at least part of this item was manufactured outside of Japan.

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I. How to Read the Yamaha Part Number (cont'd.)

B. General Parts (cont'd.)

1. Model Code Number Data: XX0-X000X-X0-X0 (cont'd.)

- b. The major portion of letter-for-number substitutions will occur with the second position of this three-digit group (i.e.: 0X0-00000-00-00). This letter has no other significance other than model identification. The model identification indicates the original model in which the part was used.

i.e.: 1A0-00000-00-00 - Identifies RD400 Model
2A0-00000-00-00 - Identifies XS1000 Model
8A0-00000-00-00 - Identifies GS340 Model

2. Basic Part Number Data: XX0-X000X-X0-X0

The second group of five digits is the actual part group identification number (i.e.: 11631 = piston; 11311 = cylinder, etc.). A "W" substituted in the first position of this five-digit group (000-W0000-00-00) indicates a factory assembled kit which differs in content from the original assembly used in production (i.e.: 2M0-W0046-00-00 - Rear Brake Pad Ass'y.). The first three digits of this five-digit group (000-X0000-00-00) indicates the general sections and areas of the models. The fourth and fifth digits of this group (000-000XX-00-00) indicates the specific part within these general sections and areas. In the case of number overflow, a letter will be substituted in the fifth digit position of this five-digit group (i.e.: 1T4-2814A-00-00 - Wire Tool.).

3. Design Code Number Data: XX0-X000X-X0-X0

The ninth and tenth digits of the part number indicates differences, corrections or modifications to the original part number. The ninth digit position (000-00000-X0-00) may be substituted with a letter. This position indicates variations that may exist within a specific item.

i.e.: 1J7-12169-A1-00 - Pad Adjust
1J7-12169-E1-00 - Pad Adjust
1J7-12169-F1-00 - Pad Adjust

The tenth digit of the part number (000-00000-0X-00) indicates the number of times the design of that part has been changed. At this time, THIS WILL REMAIN NUMERICAL.

4. Color or Finish Code Data: XX0-X000X-X0-X0

The last two digits of the part number will indicate the finish or color of the item if applicable. In this last group, only the eleventh digit may be replaced with a letter (i.e.: 1T4-24785-00-0B - Seat Molding.).

C. Interchangeable Parts

These part numbers always begin with the number "9" and are divided into three sections. The first two sections contain five digits each, with the remaining two digits in the last section.

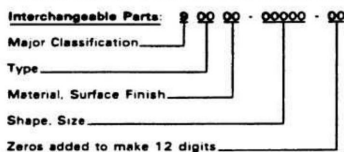
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FOREWORD

I. How to Read the Yamaha Part Number (cont'd.)

C. Interchangeable Parts (cont'd.)

The following is a breakdown of the interchangeable part number:



At this time, a letter may be substituted in two positions on interchangeable part numbers.

1. Type/Kind code: 9 00 00-00000-00
With the large amount of new types and kinds of interchangeable parts, it will be necessary to replace this position with a letter in some cases.

2. Shape, Size: 90000-000X0-00
In the case of bearings, the last two digits of the second group of five digits indicates the registration (identification) number of that bearing. Because of the large amount of new bearings being developed, the ninth position of the part number (90000-000X0-00) may be replaced with a letter (i.e.: 93310-422E6-00 - Bearing Big End).

D. Part Number Sequence

As you can see from the above explanations, part numbers which include alpha characters in their twelve digits are newly developed items. Therefore, when you look for an item in the price list, it is natural to think that all numeric part numbers will be listed in the front, and the alpha-numeric part numbers will be in the back.

Unfortunately, today's computer has been designed to normally pick alpha characters first, with numeric characters second (unless specifically programmed otherwise). This fact sometimes gives some confusion in understanding Yamaha's part number sequence so please see the following example:

EXAMPLE: Model Code (first 3 digits) sequence has been appearing in Yamaha's master price list as follows:

- 1A1 RD400C
- 1Y9 RC100S (Europe Model)
- 101 MF1
- 199 YL1E Minor
- 2A0 RS125 (Europe Model)
- 2Y9 Will be assigned in future
- 200 YGS1K (Other Market Model)
- 3A0 Will be assigned in future

Please note the alpha-numeric numbers appear before the numeric numbers.

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II. How to Use This Parts List

- Except for steel balls (ball sizes are indicated in inches), all parts sizes are indicated in millimeters as in the following examples:

Hose (Rubber or vinyl) Inside Diameter - Length

O-Ring Section Area - Inside Diameter

Washer, Shim, Collar Inside Diameter - Outside Diameter
Thickness (Length)

- Parts, supplied in the form of sub-assemblies, are identified by an indentation of one letter space, and the description is preceded by a dot (.). If 2 main assemblies are listed, each different yet having the same basic description (i.e.: left and right sides of the same assembly), one will immediately follow the other. If each of these main assemblies is made up of almost the same components, these component parts will be listed immediately under the second main assembly line and will be indicated, as noted above.

If the component is the same for both main assemblies, the quantity indicated will be the total required. If the component is not the same for both main assemblies, the quantity for each separate item will be listed separately.

EXAMPLES:

Description	Qty.
CARBURETOR ASSY, left	-
CARBURETOR ASSY, right	1
. JET, pilot	2
. NOZZLE, main	2
. LEVER, starter, left	1
. LEVER, starter, right	1

C. Keys to Symbols

U.R.	Use size (thickness) and/or number as required
U.N.	Use as many as you need
T	Number of teeth in a gear
V	Voltage for light bulbs
S	"S" type oil seal or "S" type circlip
SD, SO, SW	"SD", "SO", or "SW" type oil seal
E, R	"E" or "R" type circlip
F/No.	Frame No. (Applicable Machine No.)

D. Basis for Determining Right and Left in Relation to Parts

Right or left is determined by the rider facing toward the front of the machine.

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FOREWORD

II. How to Use This Parts List (cont'd.)

E. Superseded Part Numbers

1. If part 'A' has been superseded by part 'B', and both 'A' and 'B' are interchangeable, the superseding part number (part 'B') will appear in the part number listing with the superseded part number (part 'A') appearing in parentheses immediately following the description.

EXAMPLE:

Ref. No.	Part No.	Description	Qty.
	(Part 'B')	(Part 'A')	
8	123-45678-00-00	CYLINDER (111-12345-00)	1

2. If part 'A' is a substitution of part 'B', and parts 'A' and 'B' are both available in stock, part 'A' will appear first in the part number listing and part 'B' will appear directly under part 'A'. When the stock is depleted on part 'A', the computer will automatically ship part 'B'.

EXAMPLE:

Ref. No.	Part No.	Description	Qty.
8	111-12345-00-00	CYLINDER	1
	123-45678-00-00	CYLINDER (111-12345-00)	1

3. If a part is no longer available, the part number will appear in the part number listing in parentheses and 'N/A' (no longer available) will appear in the remarks column directly to the right of the entry.

EXAMPLE:

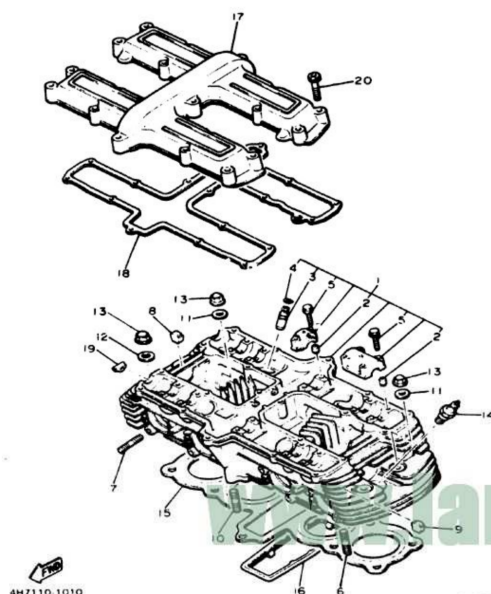
Ref. No.	Part No.	Description	Qty.
8	(111-12345-00-00)	CYLINDER	1 N/A

4. A part that has been superseded to a kit may be identified by a 99999-00000 part number appearing in the part number column. The old superseded part number will appear in parentheses immediately following the description. Listed directly below the 99999 part number will be those parts making up the kit. The description of the parts making up the kit will be preceded by a small black dot (.) and the description will be indented one letter space.

EXAMPLE:

Ref. No.	Part No.	Description	Qty.
8	99999-12345-00	CYLINDER (111-12345-00)	1
	234-56789-00-00	. HEAD, cylinder	1
	345-67890-00-00	. GASKET, cylinder	1

CYLINDER HEAD

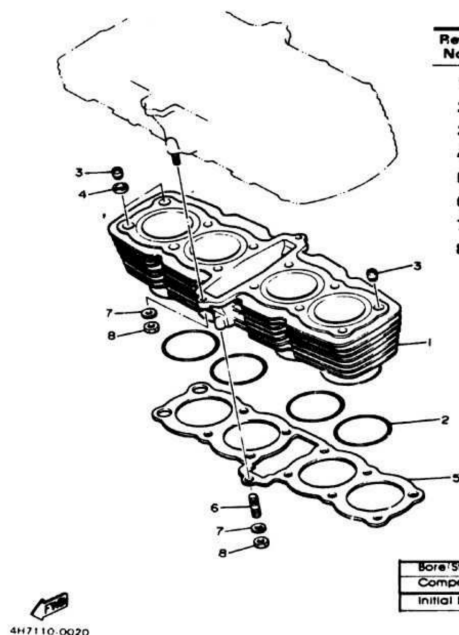


Ref. No.	Part Number	Description	Qty.	Remarks
1	4K0-11110-00-00	CYLINDER HEAD ASS'Y	1	
2	91810-18016-00	PIN, dowel	12	
3	4H7-11133-10-00	GUIDE, intake valve (1st O/S)	8	
4	93440-12052-00	CIRCLIP	8	
5	90105-06153-00	BOLT, washer based	20	
6	95611-08325-00	BOLT, stud	1	
7	95611-06630-00	BOLT, stud	8	
8	434-11161-00-00	ABSORBER 1	1	
9	4H7-11161-00-00	ABSORBER 1	14	
10	95621-08335-00	BOLT, stud	1	
11	90201-11597-00	WASHER, plate	10	
12	90201-10128-00	WASHER, plate	2	
13	90179-10277-00	NUT	12	
14	94701-00117-00	PLUG, spark (NGK BP-7ES)	1	
15	4H7-11181-02-00	GASKET, cylinder head 1	1	
16	4H7-11355-0000	SEAL, cylinder 1	1	
17	4K0-11191-00-00	COVER, cylinder head 1	1	
18	4H7-11193-00-00	GASKET, head cover 1	1	
19	1J7-11138-00-00	PLUG	2	
20	91316-06035-00	BOLT	20	
	4H7-W0001-00-XX	TOP END GASKET KIT		SEE GRID G-1

Cylinder Head Cover	6 x 1.0 / 1.0 m·kg
Cylinder Head	10 x 1.25 / 3.2 m·kg
Spark Plug Type	NGK BP7ES or Nippon Denso W22EP
Spark Plug Gap / Torque / Cap	0.7 ~ 0.8mm / 2.0 m·kg / 10K g

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CYLINDER



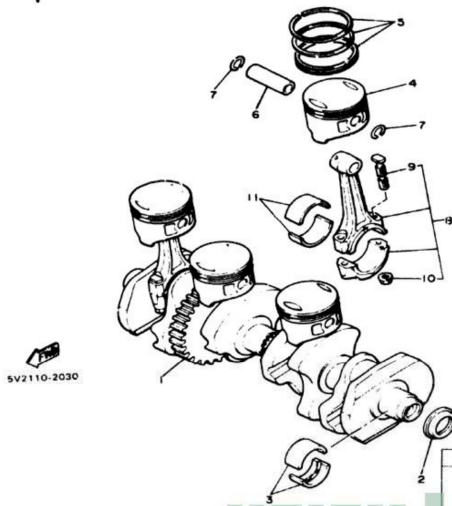
Ref. No.	Part Number	Description	Qty.	Remarks
1	4K0-11310-00-00	CYLINDER	1	
2	93210-69434-00	O-RING	4	
3	91830-24016-00	PIN, dowel	4	
4	90430-14131-00	GASKET	2	
5	4H7-11351-00-00	GASKET, cylinder	1	
6	95621-08230-00	BOLT, stud	1	
7	90201-08382-00	WASHER, plate	3	
8	95311-08600-00	NUT	3	

Bore/Stroke/Number Cylinders/Displacement (cc)	63mm / 52.4mm / 4 / 653cc
Compression Ratio/Compression Pressure Min~Max	9.2:1 / 9.5 ~ 11 kg/cm ²
Initial Engine Number / Frame Number	5V2-000101 / 5V2-000101

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CRANKSHAFT · PISTON



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

CRANKSHAFT BEARING SELECTION

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

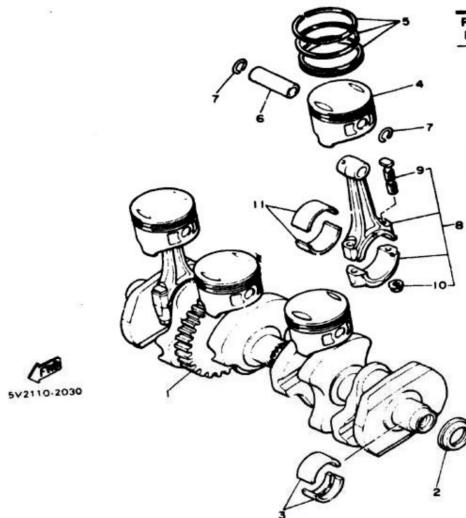
CONNECTING ROD BEARING SELECTION

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

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

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CRANKSHAFT · PISTON



Ref. No.	Part Number	Description	Qty.	Remarks
6	4H7-11633-00-00	PIN, piston	4	
7	93450-17044-00	CIRCLIP	8	
8	4H7-Y1165-00-00	CONNECTING ROD ASS'Y	4	
9	4H7-11654-00-00	BOLT, connecting rod	2	
10	90179-07307-00	NUT	2	
11	4H7-11656-01-00	PLANE BEARING, connecting rod	8	U.R.
	4H7-11656-11-00	PLANE BEARING, connecting rod	8	U.R.
	4H7-11656-21-00	PLANE BEARING, connecting rod	8	U.R.
	4H7-11656-31-00	PLANE BEARING, connecting rod	8	U.R.

CRANKSHAFT BEARING SELECTION

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

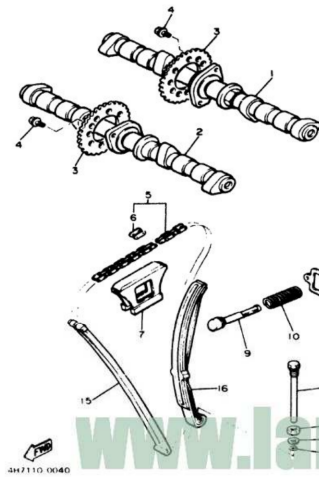
CONNECTING ROD BEARING SELECTION

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

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

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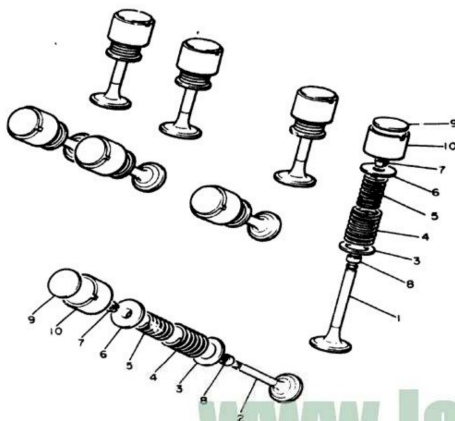
CAMSHAFT · CHAIN



Ref. No.	Part Number	Description	Qty.	Remarks
1	4H7-12171-00-00	CAMSHAFT 1	1	
2	4H7-12181-00-00	CAMSHAFT 2	1	
3	4H7-12176-01-00	SPROCKET, cam chain (32T)	2	
4	90105-07087-00	BOLT, washer based	4	
5	94500-02120-00	CHAIN (BF05M-120L)	1	
6	94600-02001-00	JOINT, chain	1	
7	4H7-12241-00-00	GUIDE, stopper 2	1	
8	4K0-12212-00-00	CASE, chain tensioner	1	
9	4H7-12217-01-00	ROD, chain tensioner	1	
10	90501-16417-00	SPRING, compression	1	
11	90109-08442-00	BOLT	1	
12	95301-08700-00	NUT	1	
13	92901-08600-00	WASHER, plate	1	
14	93210-08001-00	O-RING	1	
15	4H7-12251-00-00	DAMPER, chain 1	1	
16	4H7-12252-00-00	DAMPER, chain 2	1	
17	90109-10670-00	BOLT	1	
18	95301-10700-00	NUT	1	
19	92901-08600-00	WASHER, plate	1	
20	93210-08006-00	O-RING	1	
21	91311-08040-00	BOLT	2	
22	4H7-12213-00-00	GASKET, tensioner case	1	

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VALVE



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

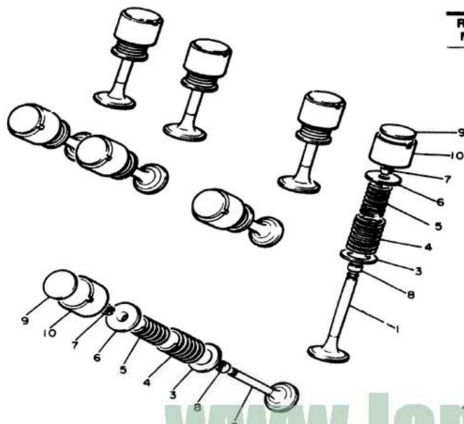


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Valve Clearance (Cold) Intake / Exhaust	▲ 0.11 ~ 0.15mm / 0.16mm	20mm
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A-10

VALVE



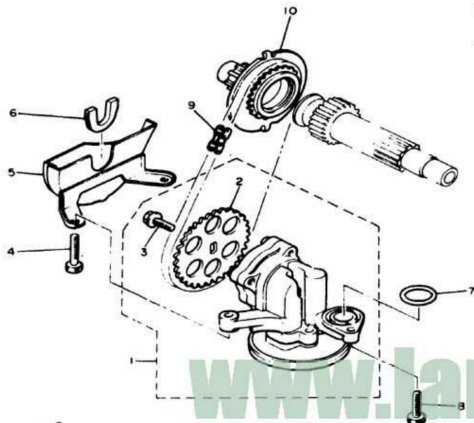
Ref. No.	Part Number	Description	Qty.	Remarks
	1J7-12169-91-00	PAD, adjusting (2.45)	8	U.R.
	1J7-12169-A1-00	PAD, adjusting (2.50)	8	U.R.
	1J7-12169-E1-00	PAD, adjusting (2.55)	8	U.R.
	1J7-12169-F1-00	PAD, adjusting (2.60)	8	U.R.
	1J7-12169-G1-00	PAD, adjusting (2.65)	8	U.R.
	1J7-12169-H1-00	PAD, adjusting (2.70)	8	U.R.
	1J7-12169-J1-00	PAD, adjusting (2.75)	8	U.R.
	1J7-12169-K1-00	PAD, adjusting (2.80)	8	U.R.
	1J7-12169-L1-00	PAD, adjusting (2.85)	8	U.R.
	1J7-12169-M1-00	PAD, adjusting (2.90)	8	U.R.
	1J7-12169-N1-00	PAD, adjusting (2.95)	8	U.R.
9	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	4H7-12163-01-00	LIFTER, valve	8	

4H7110 0050

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

A-11

OIL PUMP

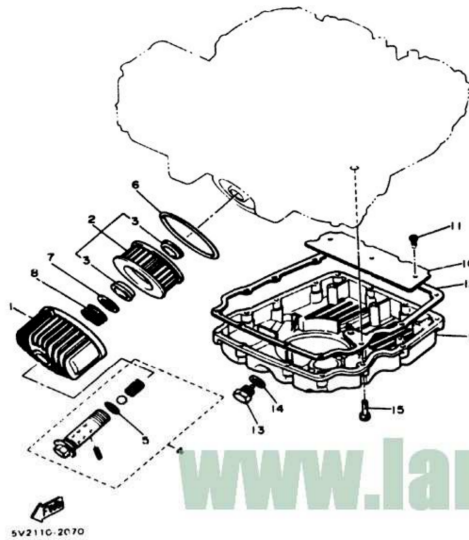


Ref. No.	Part Number	Description	Qty.	Remarks
1	5G2-13300-00-00	OIL PUMP ASS'Y	1	
2	5G2-133E5-00-00	SPROCKET, driven	1	
3	90105-06154-00	BOLT, washer based	1	
4	90110-06035-00	BOLT, hexagon socket head	2	
5	4H7-13327-00-00	COVER, pump gear	1	
6	4H7-13328-00-00	GROMMET, gear cover	1	
7	93210-18319-00	O-RING	1	
8	91316-06025-00	BOLT	1	
9	94580-25062-00	CHAIN (DID25 62L)	1	
10	4H7-13354-00-00	SPROCKET, drive (25T)	1	

4H7110 0060

A-12

OIL CLEANER

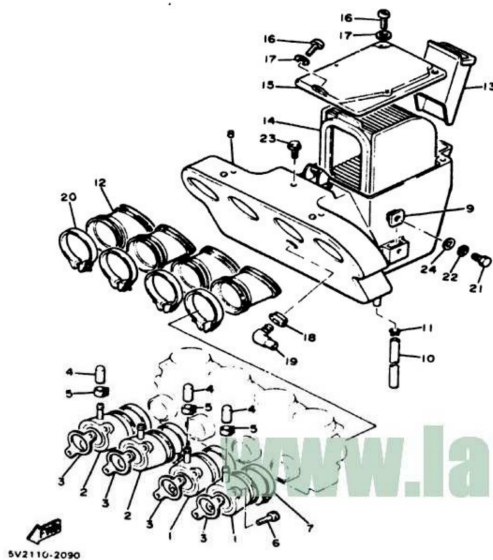


5V211G-2070

Ref. No.	Part Number	Description	Qty.	Remarks
1	4K0-13447-00-00	COVER, oil element	1	
2	1L9-13440-91-00	ELEMENT, oil cleaner (1L9-13440-90)	1	
3	90480-23193-00	GROMMET	2	
4	1L9-13340-01-00	BY-PASS VALVE ASS'Y	1	
5	93210-16325-00	O-RING	1	
6	93210-88324-00	O-RING	1	
7	90201-21808-00	WASHER, plate	1	
8	90501-20422-00	SPRING, compression	1	
9	4H7-13417-02-00	COVER, strainer	1	
10	4H7-13337-00-00	PLATE, baffle lower	1	
11	92503-06010-00	SCREW, pan head (92501-06010)	3	
12	4H7-13414-01-00	GASKET, strainer cover (4H7-13414-00)	1	
13	90340-14042-00	PLUG, straight screw	1	
14	214-11198-01-00	GASKET	1	
15	91316-06030-00	BOLT	13	

B-1

INTAKE

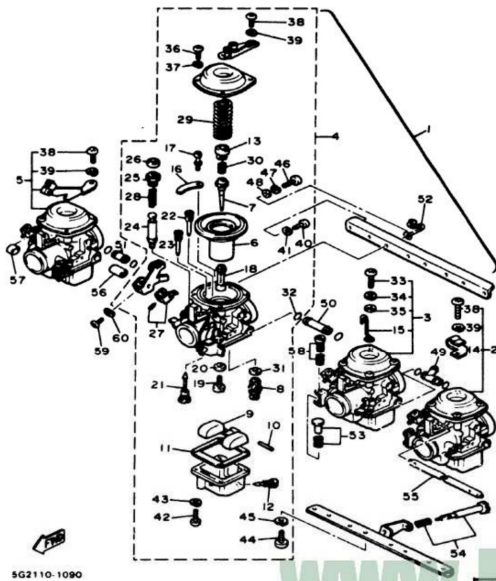


5V211G-2090

Ref. No.	Part Number	Description	Qty.	Remarks
1	4H7-13586-02-00	JOINT, carburetor 1	2	
2	5G2-13596-00-00	JOINT, carburetor 2	2	
3	4H7-13566-01-00	GASKET, manifold	4	
4	1J7-13569-00-00	PLUG, blind	3	
5	90467-10039-00	CLIP	3	
6	91316-06020-00	BOLT	8	
7	90460-49183-00	CLAMP, hose	4	
8	4H7-14401-00-00	AIR CLEANER CASE ASS'Y	1	
9	4H7-14484-00-00	PLATE, cleaner case fitting	1	
10	90445-11182-00	HOSE	1	
11	90467-09008-00	CLIP	1	
12	4H7-14453-00-00	JOINT, air cleaner 1	4	
13	4H7-14437-00-00	DUCT	1	
14	4H7-14451-00-00	ELEMENT, air cleaner	1	
15	4H7-14412-00-00	CAP, cleaner case 1	1	
16	92503-06012-00	SCREW, pan head (92501-06012)	3	
17	92901-06600-00	WASHER (92902-06600)	3	
18	90480-16278-00	GROMMET	1	
19	4H7-14419-00-00	PIPE	1	
20	90460-56105-00	CLAMP, hose	4	
21	97301-06018-00	BOLT	1	
22	92903-06100-00	WASHER, spring (92901-06100)	1	
23	90119-06029-00	BOLT, with washer	1	
24	90201-06067-00	WASHER, plate	1	

B-2

CARBURETOR



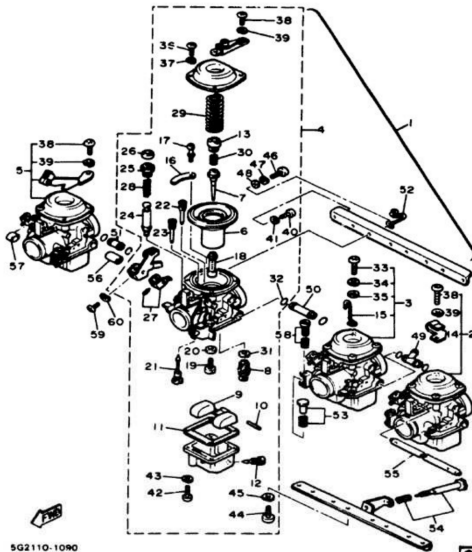
5G2110-1090

Ref. No.	Part Number	Description	Qty.	Remarks
1	(5V2-14900-00-00)	CARBURETOR ASS'Y	1	N/A
2	5V2-14901-00-00	CARBURETOR ASS'Y 1	1	
3	5V2-14902-00-00	CARBURETOR ASS'Y 2	1	
4	5V2-14903-00-00	CARBURETOR ASS'Y 3	1	
5	5V2-14904-00-00	CARBURETOR ASS'Y 4	1	
6	4H7-14940-00-00	DIAPHRAGM ASS'Y	4	
7	4H7-14917-10-00	JET, needle	4	
8	4H7-14990-00-00	NEEDLE VALVE ASS'Y	4	
9	4H7-14985-00-00	FLOAT	4	
10	4H7-14186-00-00	PIN, float	4	
11	4H7-14984-00-00	GASKET, float chamber	4	
12	4H7-14191-01-00	PLUG, drain (4H7-14191-00)	4	
13	4H7-14936-00-00	SEAT, spring	4	
14	4H7-14159-00-00	CLIP	1	
15	4H7-14139-00-00	CLIP, pipe	1	
16	4H7-14527-00-00	PLATE	4	
17	4H7-14325-00-00	SCREW, pan head	4	
18	4H7-14921-32-00	NOZZLE, main	4	
19	4H7-14925-10-00	JET, main (#110)	4	
20	4H7-14945-00-00	WASHER, main jet	4	

CARBURETOR - Mfr. / Type / I.D. Number	Hitachi / HSC32 / 4H7-00
Main Jet / Pilot Jet	110 / 40
Needle Jet / Jet Needle-Clip Position	3.2 / Y-10 Fixed
Slide Cutaway	130
Float Level / Fuel Level	17.5 ± 0.5mm / 2 ~ 4mm
Idle rpm	1050 rpm
Max CO* / Max HC* / Set CO	▲ 5.0% / 500 ppm / 3.0% (All Settings @ Idle)

B-3

CARBURETOR



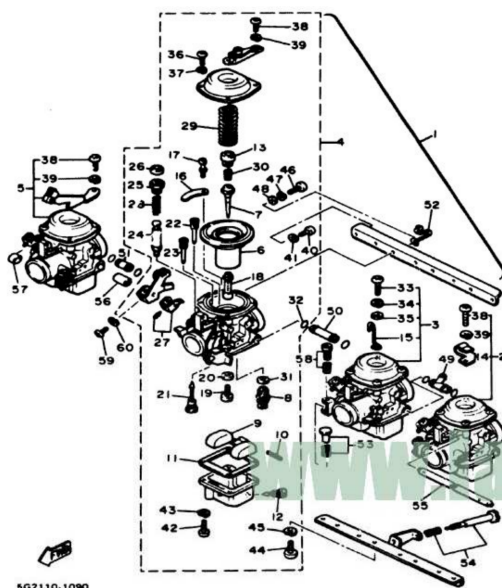
5G2110-1090

Ref. No.	Part Number	Description	Qty.	Remarks
21	4H7-14948-40-00	JET, pilot (#40)	4	
22	4H7-14928-10-00	JET, main air (#50)	4	
23	4H7-14949-39-00	JET, pilot air (#195)	4	
24	4H7-14171-00-00	PLUNGER, starter	4	
25	4H7-14174-00-00	CAP, plunger	4	
26	4H7-14173-00-00	COVER, plunger cap	4	
27	5G2-W1495-00-00	STARTER LEVER SET	4	
28	4H7-14135-00-00	SPRING, plunger	4	
29	4H7-14933-00-00	SPRING, diaphragm	4	
30	4H7-14689-00-00	SPRING	4	
31	4H7-14952-00-00	WASHER	4	
32	3J3-14147-00-00	O-RING (3J4-14147-00)	6	
33	98503-04010-00	SCREW, pan head	1	
34	92901-04100-00	WASHER, spring	1	
35	92901-04600-00	WASHER, plate	1	
36	98501-04008-00	SCREW, pan head	10	
37	92901-04100-00	WASHER, spring	10	
38	98503-04010-00	SCREW, pan head	5	
39	92901-04100-00	WASHER, spring	5	
40	98501-05010-00	SCREW, pan head	7	

CARBURETOR - Mfr. / Type / I.D. Number	Hitachi / HSC32 / 4H7-00
Main Jet / Pilot Jet	110 / 40
Needle Jet / Jet Needle-Clip Position	3.2 / Y-10 Fixed
Slide Cutaway	130
Float Level / Fuel Level	17.5 ± 0.5mm / 2 ~ 4mm
Idle rpm	1050 rpm
Max CO* / Max HC* / Set CO	▲ 5.0% / 500 ppm / 3.0% (All Settings @ Idle)

B-4

CARBURETOR



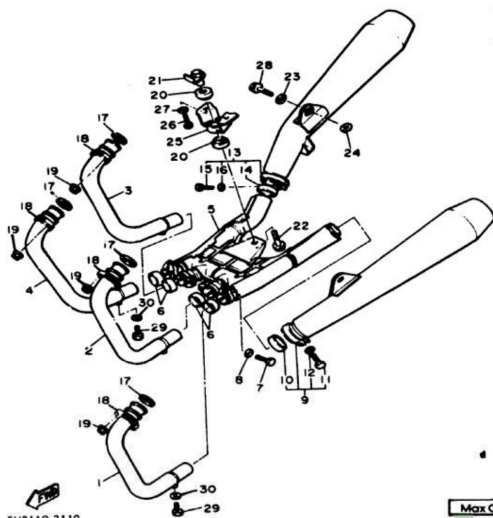
5G2110-1090

Ref. No.	Part Number	Description	Qty.	Remarks
41	92903-05100-00	WASHER, spring (92901-05100)	7	
42	98501-05016-00	SCREW, pan head	16	
43	92903-05100-00	WASHER, spring (92901-05100)	16	
44	92503-06012-00	SCREW, pan head (92501-06012)	8	
45	92903-06100-00	WASHER, spring (92901-06100)	8	
46	98503-05012-00	SCREW, pan head (98501-05012)	1	
47	92903-05100-00	WASHER, spring (92901-05100)	1	
48	92901-05600-00	WASHER, plate	1	
49	4H7-14988-00-00	PIPE, starter connecting	1	
50	4H7-14188-00-00	CONNECTOR	1	
51	4H7-14189-00-00	CONNECTOR	1	
52	4H7-14919-00-00	CLIP	1	
53	5G2-W1492-00-00	THROTTLE ADJUST SCREW SET 2	3	
54	5G2-W1493-00-00	THROTTLE ADJUST SCREW SET 3	1	
55	5G2-14978-00-00	SHAFT, starter lever	1	
56	4H7-14998-00-00	BUSH	1	
57	4H7-14973-00-00	WASHER	1	
58	5G2-W1491-00-00	THROTTLE ADJUST SCREW SET 1	3	
59	98502-03016-00	SCREW, pan head	1	
60	92903-03100-00	WASHER, spring (92901-03100)	1	

CARBURETOR - Mfr. / Type / I.D. Number	Hitachi / HSC32 / 4H7-00
Main Jet / Pilot Jet	110 / 40
Needle Jet / Jet Needle-Clip Position	3.2 / Y-10 Fixed
Slide Cutaway	130
Flood Level / Fuel Level	17.5 ± 0.5mm / 2 ~ 4mm
Idle rpm	1050 rpm
Max CO* / Max HC* / Set CO	▲ 5.0% / 500 ppm / 3.0% (All Settings @ Idle)

B-5

EXHAUST



5V2110-2110

Ref. No.	Part Number	Description	Qty.	Remarks
1	4K0-14611-01-00	PIPE, exhaust 1	1	
2	4K0-14621-01-00	PIPE, exhaust 2	1	
3	4K0-14631-01-00	PIPE, exhaust 3	1	
4	4K0-14641-01-00	PIPE, exhaust 4	1	
5	4K0-14615-00-00	JOINT, exhaust 1	1	
6	4H7-14714-00-00	GASKET, muffler	4	
7	97311-08020-00	BOLT	4	
8	92901-08600-00	WASHER, plate	4	
9	4K0-14710-00-00	MUFFLER ASS'Y 1	1	
10	1L9-14714-01-00	GASKET, muffler	1	
11	97311-08025-00	BOLT	1	
12	92901-08600-00	WASHER, plate	1	
13	4K0-14720-00-00	MUFFLER ASS'Y 2	1	
14	1L9-14714-01-00	GASKET, muffler	1	
15	97311-08025-00	BOLT	1	

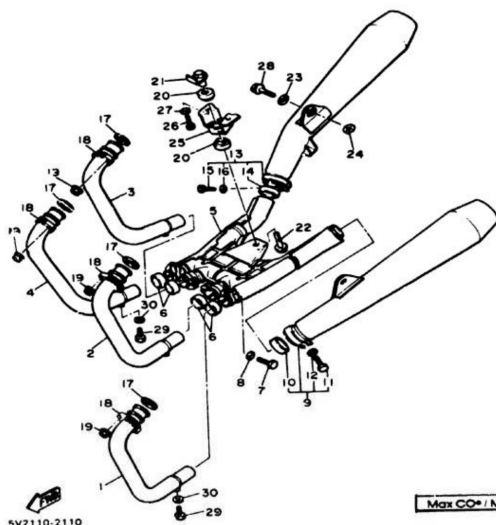
Max CO* / Max HC* / Set CO	▲ 5.0% / 500 ppm / 3.0% (All Settings @ Idle)
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"These replacement parts comply with all Florida laws and regulations requiring testing and certification of exhaust system replacement parts."

B-6

EXHAUST



Ref. No.	Part Number	Description	Qty.	Remarks
16	92901-08600-00	WASHER, plate	4	
17	4H7-14613-00-00	GASKET, exhaust pipe	1	
18	4H7-14612-00-00	NUT, ring	4	
19	90179-06306-00	NUT	8	
20	4K0-14747-00-00	DAMPER, muffler	2	
21	4K0-14638-00-00	COLLAR	1	
22	95801-10040-00	BOLT, flange	1	
23	90201-10669-00	WASHER, plate	2	
24	90179-10276-00	NUT	2	
25	4K0-14791-00-00	STAY, muffler	1	
26	97311-08025-00	BOLT	2	
27	92901-08600-00	WASHER, plate	2	
28	95821-10030-00	BOLT, flange	2	
29	97313-06012-00	BOLT	4	
30	92903-06600-00	WASHER, plate	4	

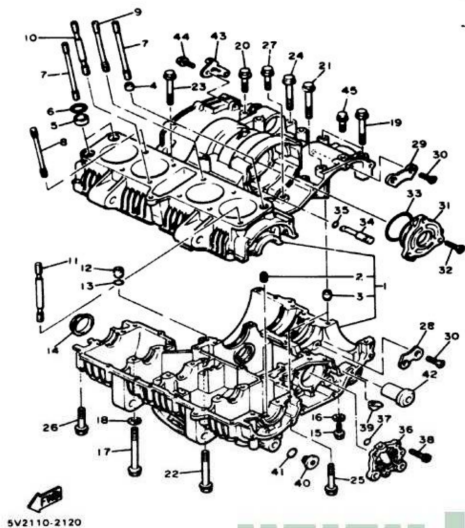
Max CO₂ / Max HC₂ / Set CO 5.0% / 500 ppm / 3.0% (All Settings @ Idle)

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B-7

CRANKCASE



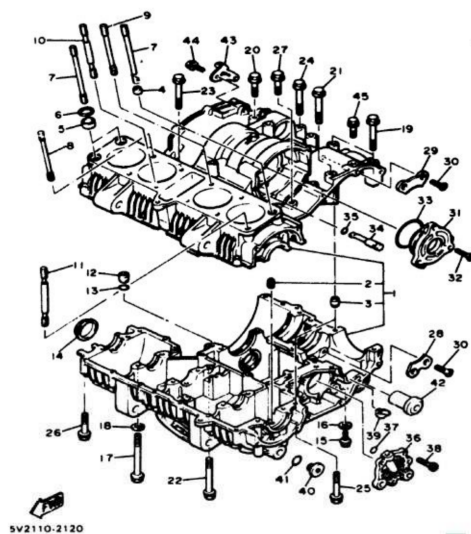
Ref. No.	Part Number	Description	Qty.	Remarks
1	4K0-15100-02-00	CRANKCASE ASS'Y	1	
2	4H7-15138-00-00	NOZZLE 1	3	
3	91830-22016-00	PIN, dowel	3	
4	91830-24016-00	PIN, dowel	1	
5	90387-16647-00	COLLAR	2	
6	93210-18322-00	O-RING	2	
7	90116-10330-00	BOLT, stud	3	
8	90116-10329-00	BOLT, stud	3	
9	90116-10328-00	BOLT, stud	1	
10	4H7-11363-00-00	BOLT, cylinder holding 3	4	
11	4H7-11364-00-00	BOLT, cylinder holding 4	1	
12	91830-22016-00	PIN, dowel	1	
13	93210-11124-00	O-RING	1	
14	90338-48105-00	PLUG	1	
15	90105-08003-00	BOLT, washer based	1	
16	90201-08087-00	WASHER, plate	1	
17	95811-08105-00	BOLT, flange	10	
18	90201-08366-00	WASHER, plate	8	
19	95811-08065-00	BOLT, flange	2	
20	95811-06135-00	BOLT, flange	2	
21	95811-06120-00	BOLT, flange	1	
22	95811-06080-00	BOLT, flange	3	
23	95811-06070-00	BOLT, flange	3	

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Drain Plug	14 x 1.5, 4.3 m-kg
Oiling System	Wet Sump
Capacity: Dry	3500cc
Oil and Filter Change	2950cc
Oil Change	2650cc
Lubricant: Temp. Above 5°C (40°F)	Yamalube 4 ⁺ or SAE 20W40 SE
Temp. Below 15°C (60°F)	Yamalube 4 ⁺ or SAE 10W30 SE

B-8

CRANKCASE



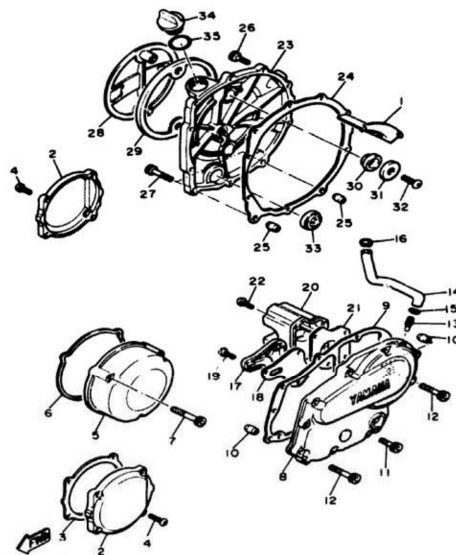
5V2110-2120

Ref. No.	Part Number	Description	Qty.	Rem.
24	95811-06060-00	BOLT, flange.....	6	
25	95811-06055-00	BOLT, flange.....	2	
26	95811-08045-00	BOLT, flange.....	7	
27	95811-06035-00	BOLT, flange.....	3	
28	4H7-15381-00-00	PLATE, bearing cover.....	1	
29	4H7-15383-00-00	PLATE, bearing cover.....	1	
30	90149-08152-00	SCREW.....	4	
31	4H7-15163-01-00	HOUSING, bearing 1 (4H7-15163-00).....	1	
32	90151-06014-00	SCREW, countersunk.....	3	
33	93210-62439-00	O-RING.....	1	
34	4H7-13454-00-00	NOZZLE.....	1	
35	93210-07435-00	O-RING.....	1	
36	5G2-15164-00-00	HOUSING, bearing 2.....	1	
37	93210-07438-00	O-RING.....	1	
38	91311-06020-00	BOLT.....	3	
39	4H7-15365-00-00	GROMMET.....	1	
40	4K0-15189-00-00	PLUG.....	2	
41	93210-21276-00	O-RING.....	2	
42	90387-125A2-00	COLLAR.....	2	
43	4K0-15441-00-00	HOLDER, clutch cable.....	1	
44	91316-06012-00	BOLT.....	2	
45	95801-06060-00	BOLT, flange.....	1	

Drain Plug	14 x 1.6, 4.3 mm
Oiling System	Wet Sump
Capacity, Dry	3500cc
Oil and Filter Change	2900cc
Oil Change	2650cc
Lubricant Temp. Above 5°C (40°F)	Yamalube 4* or SAE 20W40 SE
Temp. Below 15°C (60°F)	Yamalube 4* or SAE 10W30 SE

B-9

CRANKCASE COVER



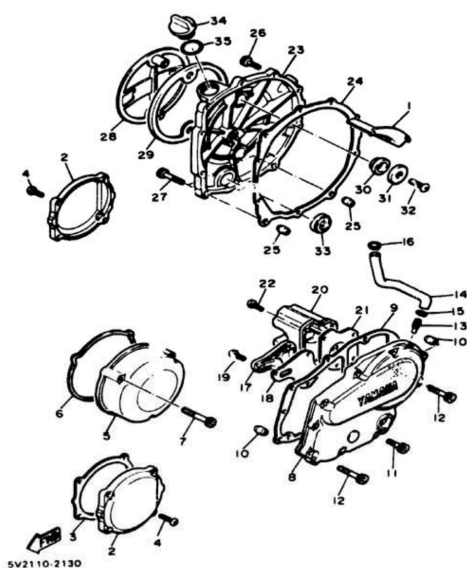
5V2110-2130

Ref. No.	Part Number	Description	Qty.	Remarks
1	4H7-15412-01-00	SCRAPER, oil.....	1	
2	4K0-15416-00-00	COVER, oil pump.....	2	
3	4H7-15456-00-00	GASKET, oil pump cover 1.....	1	
4	98906-06020-00	SCREW, bind.....	8	
5	4K0-15415-00-00	COVER, generator.....	1	
6	4H7-15455-00-00	GASKET 1.....	1	
7	91316-06070-00	BOLT.....	3	
8	4K0-15411-00-00	COVER, crankcase 1.....	1	
9	4H7-15451-00-00	GASKET, crankcase cover.....	1	
10	91830-21014-00	PIN, dowel.....	2	
11	91316-06025-00	BOLT.....	8	
12	91316-06040-00	BOLT.....	2	
13	371-11167-01-00	COVER, breather 2.....	1	
14	4H7-11166-01-00	PIPE, breather 1.....	1	
15	90467-14015-00	CLIP.....	1	
16	90468-08104-00	CLIP.....	1	
17	4H7-15346-00-00	BREATHER 1.....	1	
18	4H7-15457-00-00	GASKET.....	1	

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CRANKCASE COVER

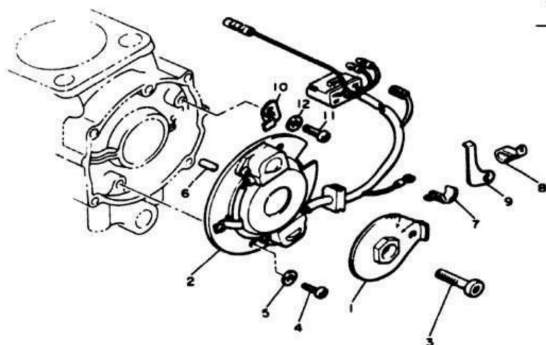


Ref. No.	Part Number	Description	Qty.	Remarks
19	92503-06015-00	SCREW, pan head (92501-06015)	3	
20	4H7-15347-00-00	BREATHER 2	1	
21	4H7-15467-00-00	GASKET	1	
22	92503-06015-00	SCREW, pan head (92501-06015)	4	
23	4H7-15421-01-00	COVER, crankcase 2	1	
24	4H7-15461-01-00	GASKET, crankcase cover 2	1	
25	91830-21014-00	PIN, dowel	2	
26	91316-06025-00	BOLT	8	
27	91316-06040-00	BOLT	2	
28	4H7-15417-00-00	COVER, cap	1	
29	4H7-15449-00-00	RING, rubber	1	
30	4H7-15486-00-00	GROMMET	2	
31	90209-06096-00	WASHER	2	
32	92503-06015-00	SCREW, pan head (92501-06015)	2	
33	2H7-15361-00-00	GAUGE, level	1	
34	2H9-15363-00-00	PLUG, oil	1	
35	93210-27370-00	O-RING	1	

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PICKUP COIL - GOVERNOR



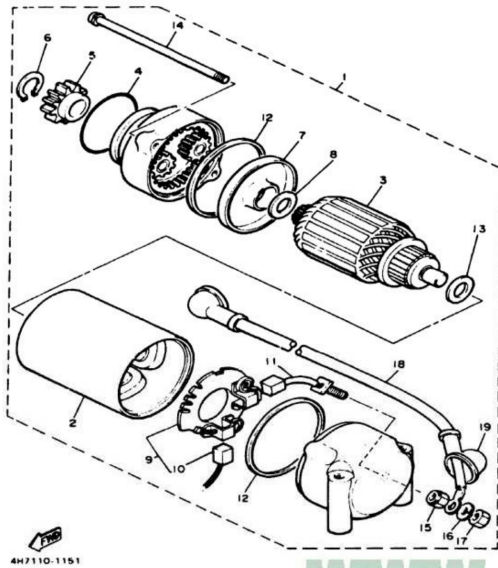
Ref. No.	Part Number	Description	Qty.
1	4H7-81673-10-00	ROTOR	1
2	5V2-81671-10-00	BASE, pickup	1
3	91316-08030-00	BOLT	1
4	92503-06012-00	SCREW, pan head (92501-06012)	2
5	92903-06200-00	WASHER, plain (92901-06200)	2
6	93604-08071-00	PIN, dowel	1
7	90465-08122-00	AMP	1
8	90465-08156-00	CLAMP	1
9	90465-12160-00	CLAMP	1
10	4H7-81632-00-00	PLATE, timing	1
11	92503-06012-00	SCREW, pan head (92501-06012)	1
12	92903-06200-00	WASHER, plain (92901-06200)	1

5V2110-2150

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C-1

STARTING MOTOR

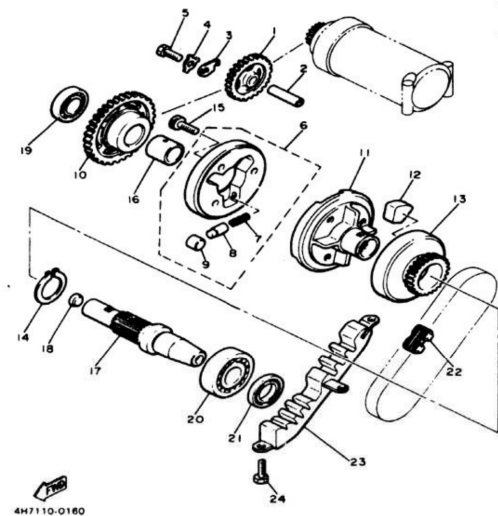


Ref. No.	Part Number	Description	Qty.	Remarks
1	4K0-81800-00-00	STARTING MOTOR ASS'Y	1	
2	4K0-81810-01-00	STATOR ASS'Y	1	
3	4H7-81850-00-00	ARMATURE ASS'Y	1	
4	4H7-81847-01-00	O-RING	1	
5	4H7-15511-00-00	GEAR, starting motor (13T)	1	
6	4H7-81819-00-00	CIRCLIP	1	
7	4H7-81845-00-00	PLATE	1	
8	4H7-81843-00-00	WASHER 1	1	
9	4H7-81840-01-00	BRUSH HOLDER ASS'Y	1	
10	4H7-81811-00-00	BRUSH 1	1	
11	4H7-81812-01-00	BRUSH 2	1	
12	4H7-81844-00-00	GASKET	2	
13	4H7-81824-00-00	WASHER 2	1	
14	4K0-81826-01-00	BOLT	2	
15	4H7-81872-00-00	NUT, special	1	
16	92903-06100-00	WASHER, spring (92901-06100)	1	
17	95302-06600-00	NUT	1	
18	4H7-81815-00-00	WIRE, starter	1	
19	4H7-81871-00-00	CAP	1	

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C-2

STARTER CLUTCH

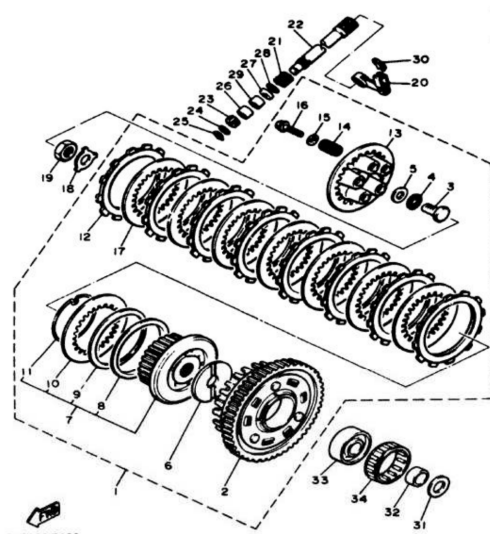


Ref. No.	Part Number	Description	Qty.	Remarks
1	4H7-15512-00-00	GEAR, idler 1 (27T)	1	
2	4H7-15521-00-00	SHAFT 1	1	
3	2H7-15531-00-00	PLATE, stopper	1	
4	90215-08040-00	WASHER, lock	1	
5	97301-06016-00	BOLT (97301-06015)	1	
6	4H7-15580-10-00	STARTER CLUTCH OUTER ASS'Y (4H7-15580-00)	1	
7	90501-04596-00	SPRING, compression	3	
8	341-15583-05-00	CAP, starter clutch spring	3	
9	93815-12088-00	PIN, dowel	3	
10	4H7-15517-00-00	GEAR, idler 2 (43T)	1	
11	4H7-15524-00-00	WHEEL, starter	1	
12	4H7-16155-00-00	ABSORBER 1	8	
13	4H7-15519-00-00	SPROCKET, starter (21T)	1	
14	93410-32052-00	CIRCLIP	1	
15	91316-08014-00	BOLT	3	
16	90387-202A7-00	COLLAR	1	
17	4H7-15522-00-00	SHAFT 2	1	
18	90331-12028-00	PLUG	1	
19	93306-00401-00	BEARING (B6004)	1	
20	93306-20541-00	BEARING (B6205)	1	
21	93102-25218-00	OIL SEAL	1	
22	4H7-11456-00-00	CHAIN, primary	1	
23	4H7-11474-00-00	GUIDE, upper	1	
24	97301-06014-00	BOLT	3	

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C-3

CLUTCH



SV2110-2180

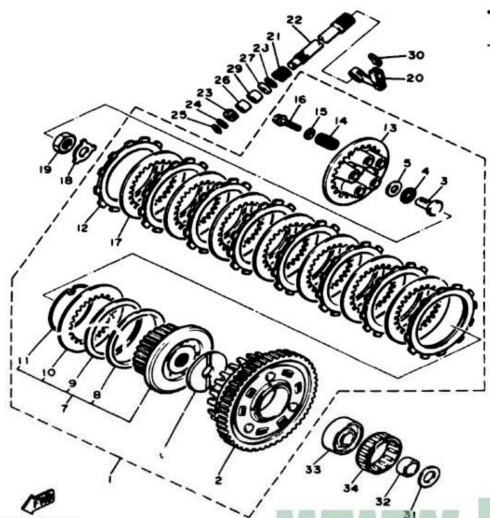
Ref. No.	Part Number	Description	Qty.	Remark
1	4H7-16300-10-00	CLUTCH ASS'Y	1	
2	4H7-16150-10-00	PRIMARY DRIVEN GEAR COMP. (97T)	1	
3	4H7-16356-00-00	ROD, push 1	1	
4	93340-21505-00	BEARING	1	
5	90201-151A7-00	WASHER, plate	1	
6	4H7-16154-00-00	PLATE, thrust 1	1	
7	4H7-16370-00-00	CLUTCH BOSS ASS'Y	1	
8	1J7-16384-00-00	PLATE, seat	1	
9	1J7-16383-01-00	SPRING, clutch boss	1	
10	168-16324-00-00	PLATE, clutch 1	1	
11	1J7-16385-00-00	RING, clutch boss	1	
12	4H7-16321-00-00	PLATE, friction	8	
13	4H7-16351-00-00	PLATE, pressure 1	1	
14	90501-23598-00	SPRING, compression	5	
15	90201-061A5-00	WASHER, plate	5	
16	95821-08025-00	BOLT, flange	5	
17	4H7-16325-00-00	PLATE, clutch 2	7	

Clutch Nut	20 x 10. 7.2 m-kg
Clutch Friction Plate Thickness Std ~ Min	3.0 ~ 2.8mm
Clutch Spring Length Std ~ Min	40.1 ~ 39.1mm

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CLUTCH



SV2110-2180

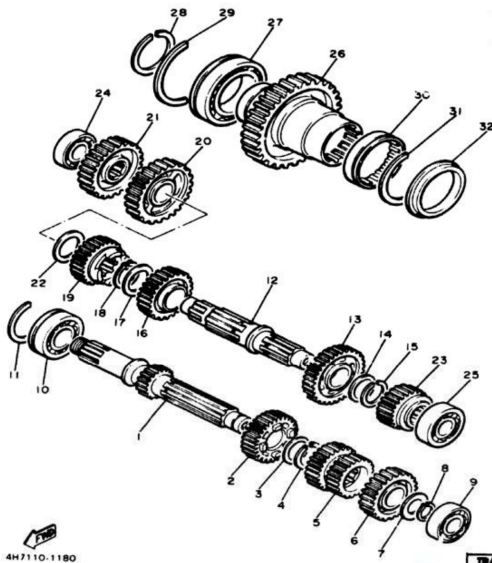
Ref. No.	Part Number	Description	Qty.	Remarks
18	90215-20170-00	WASHER, lock	1	
19	90170-20257-00	NUT	1	
20	4H7-16340-00-00	PUSH LEVER ASS'Y	1	
21	90508-16459-00	SPRING, torsion	1	
22	4H7-16382-01-00	AXLE, push lever	1	
23	4H7-16398-00-00	PINION, release (16T)	1	
24	92901-08600-00	WASHER, plate	1	
25	93430-07012-00	CIRCLIP	1	
26	93317-11020-00	BEARING, cylindrical	1	
27	93102-12224-00	OIL SEAL	1	
28	102-18137-00-10	WASHER 1	1	
29	93315-11206-00	BEARING, cylindrical	1	
30	93430-09035-00	CIRCLIP	1	
31	2K7-16154-00-00	PLATE, thrust 1	1	
32	90387-252A8-00	COLLAR	1	
33	4H7-16181-00-00	SPACER 1	1	
34	93310-365H3-00	BEARING, cylindrical	1	

Clutch Nut	20 x 10. 7.2 m-kg
Clutch Friction Plate Thickness Std ~ Min	3.0 ~ 2.8mm
Clutch Spring Length Std ~ Min	40.1 ~ 39.1mm

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TRANSMISSION

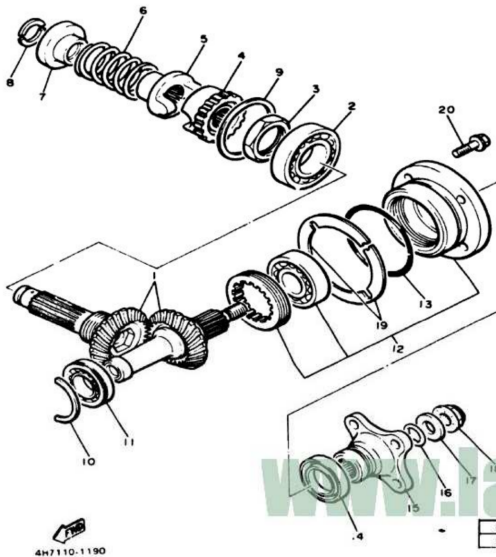


Ref. No.	Part Number	Description	Qty.	Remarks
1	4H7-17401-00-00	MAIN AXLE ASS'Y (16T).....	1	
2	4H7-17141-00-00	GEAR, 4th pinion (30T).....	1	
3	90209-22191-00	WASHER.....	1	
4	93440-25019-00	CIRCLIP.....	1	
5	4H7-17121-00-00	GEAR, 2nd/3rd pinion (20/26T).....	1	
6	4H7-17151-00-00	GEAR, 5th pinion (32T).....	1	
7	90201-20276-00	WASHER, plate.....	1	
8	93410-20008-00	CIRCLIP.....	1	
9	93306-20434-00	BEARING (B6204).....	1	
10	93306-30528-00	BEARING (B6305Z).....	1	
11	278-17424-00-00	CIRCLIP 1.....	1	
12	4H7-17402-01-00	DRIV AXLE ASS'Y.....	1	
13	4H7-17221-01-00	GEAR, 2nd wheel (30T).....	1	
14	90209-22191-00	WASHER.....	1	
15	93440-25019-00	CIRCLIP.....	1	
16	4H7-17231-01-00	GEAR, 3rd wheel (30T).....	1	

TRANSMISSION — Oil Type/Qty/Chg/Qty Reassemble		See ENGINE Above
Primary Drive Type / Teeth / Ratio		Spur Gears 97-58 / 1.672
Secondary Drive Type / Teeth / Chain		Shaft Drive / 49-36 x 19-18 x 32-11 / 8
Oiling System		Wet Sump
Capacity, Dry		3500cc
Oil and Filter Change		2950cc
Oil Change		2650cc
Lubricant: Temp. Above 5°C (40°F)		Yamalube 4" or SAE 20W40 SE
Temp. Below 15°C (60°F)		Yamalube 4" or SAE 10W30 SE

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MIDDLE DRIVE GEAR

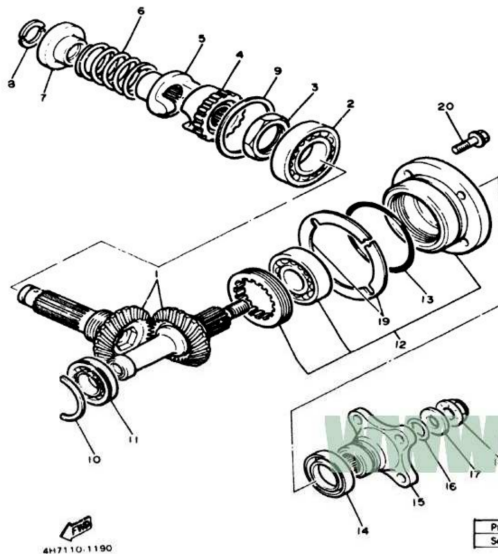


Ref. No.	Part Number	Description	Qty.	Remarks
1	4H7-W1751-00-00	MIDDLE GEAR SET.....	1	
2	93306-20709-00	BEARING (B6207).....	1	
3	90179-34304-00	NUT.....	1	
4	4H7-17526-02-00	CAM, drive.....	1	
5	4H7-17527-00-00	CAM, driven.....	1	
6	90501-65575-00	SPRING, compression.....	1	
7	4H7-17524-00-00	HOLDER.....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

Primary Drive Type / Teeth / Ratio	Spur Gears 97-58 / 1.672
Secondary Drive Type / Teeth / Chain	Shaft Drive / 49-36 x 19-18 x 32-11 / 8

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MIDDLE DRIVE GEAR

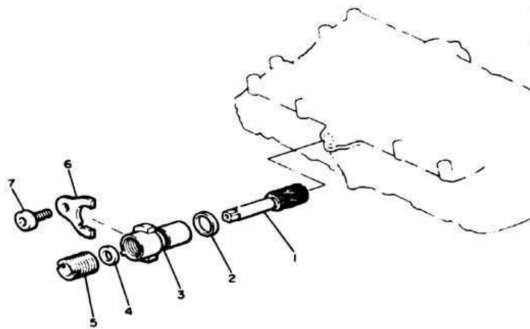


Ref. No.	Part Number	Description	Qty.	Remarks
13	93210-71380-00	O-RING	1	
14	93101-35097-00	OIL SEAL	1	
15	4H7-17555-00-00	FLANGE, middle gear	1	
16	93210-14359-00	O-RING	1	
17	90201-14633-00	WASHER, plate	1	
18	90179-14317-00	NUT	1	
19	4H7-17531-00-10	SHIM, pinion (0.10T)	2	U.R.
	4H7-17531-00-15	SHIM, pinion (0.15T)	2	U.R.
	4H7-17531-00-20	SHIM, pinion (0.20T)	2	U.R.
	4H7-17531-00-30	SHIM, pinion (0.30T)	2	U.R.
	4H7-17531-00-40	SHIM, pinion (0.40T)	2	U.R.
	4H7-17531-00-50	SHIM, pinion (0.50T)	2	U.R.
20	95821-08030-00	BOLT, flange	4	

Primary Drive Type / Teeth / Ratio	Spur Gears 97-58 / 1.672
Secondary Drive Type / Teeth / Chain	Shaft Drive / 49-36 x 19-18 x 32-11 / 8

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TACHOMETER GEAR



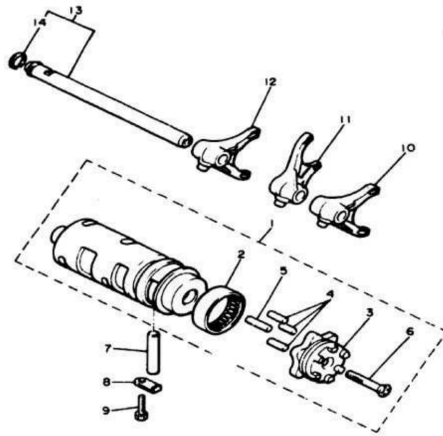
Ref. No.	Part Number	Description	Qty.
1	4H7-17841-00-00	GEAR, driven	1
2	93210-11437-00	O-RING	1
3	4H7-17811-01-00	HOUSING, tachometer gear	1
4	93104-07038-00	OIL SEAL	1
5	256-17848-00-00	ADAPTER	1
6	4H7-17812-00-00	STOPPER	1
7	91316-06012-00	BOLT	1

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C-10

SHIFT CAM · FORK



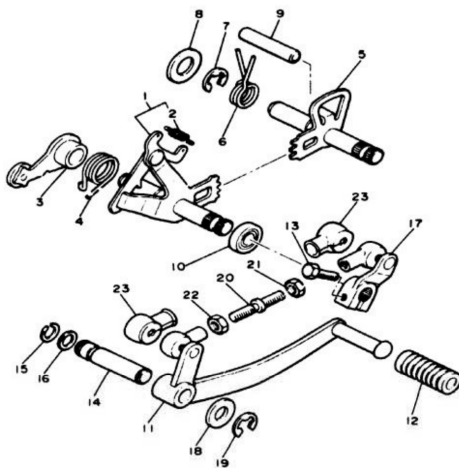
Ref. No.	Part Number	Description	Qty.	Remarks
1	4H7-18540-00-00	SHIFT CAM ASS'Y	1	
2	93315-23612-00	BEARING, cylindrical	1	
3	4H7-18185-00-00	SEGMENT	1	
4	33604-16092-00	PIN, dowel	3	
5	93604-20156-00	PIN, dowel	1	
6	98701-05035-00	SCREW, flat head	1	
7	93608-43157-00	PIN, dowel	1	
8	2H7-15531-00-00	PLATE, stopper	1	
9	97301-06016-00	BOLT (97301-06015)	1	
10	4H7-18511-01-00	FORK, shift 1	1	
11	4H7-18512-01-00	FORK, shift 2	1	
12	4H7-18513-01-00	FORK, shift 3	1	
13	4H7-18531-00-00	BAR, shift fork guide 1	1	
14	93440-11029-00	CIRCLIP	1	

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SHIFT SHAFT · PEDAL



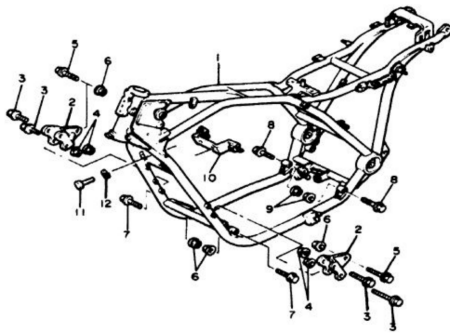
Ref. No.	Part Number	Description	Qty.	Remarks
1	4K0-18101-00-00	SHIFT SHAFT ASS'Y	1	
2	90506-08227-00	SPRING, tension	1	
3	4H7-18140-00-00	STOPPER LEVER ASS'Y	1	
4	90508-29530-00	SPRING, torsion (90508-29448)	1	
5	4K0-18120-00-00	SHIFT LEVER ASS'Y	1	
6	99999-01179-00	SPRING, torsion (90508-32449)	1	
7	90508-32535-00	SPRING, torsion	1	
8	90387-124F4-00	COLLAR	1	
9	93430-10016-00	CIRCLIP	1	
10	90201-12688-00	WASHER, plate	1	
11	93608-50158-00	PIN, dowel	1	
12	93102-12106-00	OIL SEAL	1	
13	4K0-18111-01-00	PEDAL, shift	1	
14	132-18113-01-00	COVER, shift pedal	1	
15	97321-06020-00	BOLT	1	
16	4K0-18197-00-00	SHAFT	1	
17	93440-12066-00	CIRCLIP	1	
18	93210-09350-00	O-RING	1	
19	2H9-W1812-00-00	ARM, shift pedal	1	
20	90201-12688-00	WASHER, plate	1	
21	93430-10016-00	CIRCLIP	1	
22	4K0-18115-00-00	ROD, shift	1	
23	95303-06700-00	NUT	1	
24	90170-06226-00	NUT	1	
25	2H9-18154-00-00	COVER, dust	2	

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FRAME



Ref. No.	Part Number	Description	Qty.	Remarks
1	5V2-21110-00-33	FRAME COMP.	1	Yamaha Black
2	4K0-21315-00-00	STAY, engine 2	2	
3	90105-08107-00	BOLT, washer based.	4	
4	90179-08246-00	NUT.	4	
5	90105-10169-00	BOLT, washer based.	2	
6	95701-10100-00	NUT, flange	4	
7	90105-10038-00	BOLT, washer based.	2	
8	90105-12168-00	BOLT, washer based.	2	
9	95701-12100-00	NUT, flange	2	
10	4K0-2134Y-00-00	STAY, horn	1	
11	97301-08018-00	BOLT (97301-08016)	2	
12	92903-08100-00	WASHER, spring (92901-08100)	2	



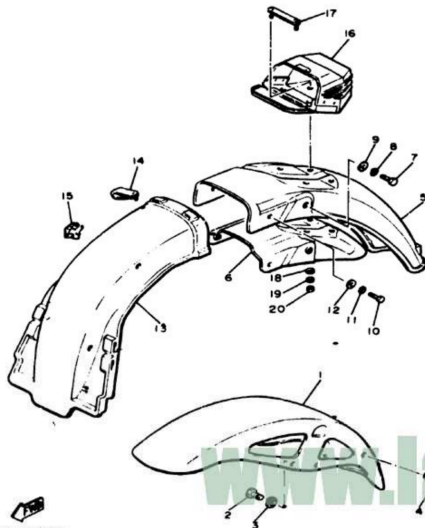
4K0332-0240

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Initial Engine Number	Frame Number	SV2-000101	SV2-000101
Engine Mounting Bolts: Front, Upper		10 x 1.25 4.2 m.kg	
Front, Lower		10 x 1.25 4.2 m.kg	
Rear		12 x 1.25 7.0 m.kg	

D1

FRONT FENDER • REAR FENDER



Ref. No.	Part Number	Description	Qty.	Remarks
1	4K0-21510-00-1U	FRONT FENDER COMP.	1	Quartz Silver
2	97301-08020-00	BOLT	4	
3	92903-08100-00	WASHER, spring (92901-08100)	4	
4	1A0-21518-00-00	HOLDER, cable	1	
5	4K0-21611-00-00	FENDER, rear.	1	
6	4K0-21670-00-00	REINF. COMP.	1	
7	97321-08020-00	BOLT	2	
8	92903-08100-00	WASHER, spring (92901-08100)	2	
9	92901-08600-00	WASHER, plate	2	
10	97321-06016-00	BOLT	2	
11	92903-06100-00	WASHER, spring (92901-06100)	2	
12	92903-06200-00	WASHER, plain (92901-06200)	2	
13	4H7-21629-00-00	GUARD, mud	1	
14	90464-12027-00	CLAMP	1	
15	90464-16021-00	CLAMP	1	
16	4K0-2160A-00-00	BOX COMP.	1	
17	4K0-21631-00-00	BOLT 1	2	
18	92903-06200-00	WASHER (92902-06200)	4	
19	92903-06100-00	WASHER, spring (92901-06100)	4	
20	95301-06600-00	NUT	4	



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D2