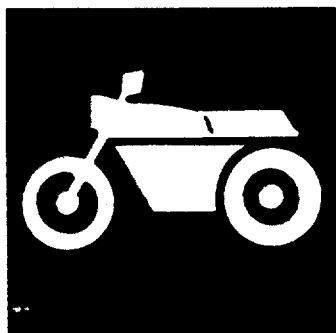




PARTS CATALOGUE

MODEL YEAR 1998

WR400FK (5BF1)

OWNERS

LIT-11626-11-24

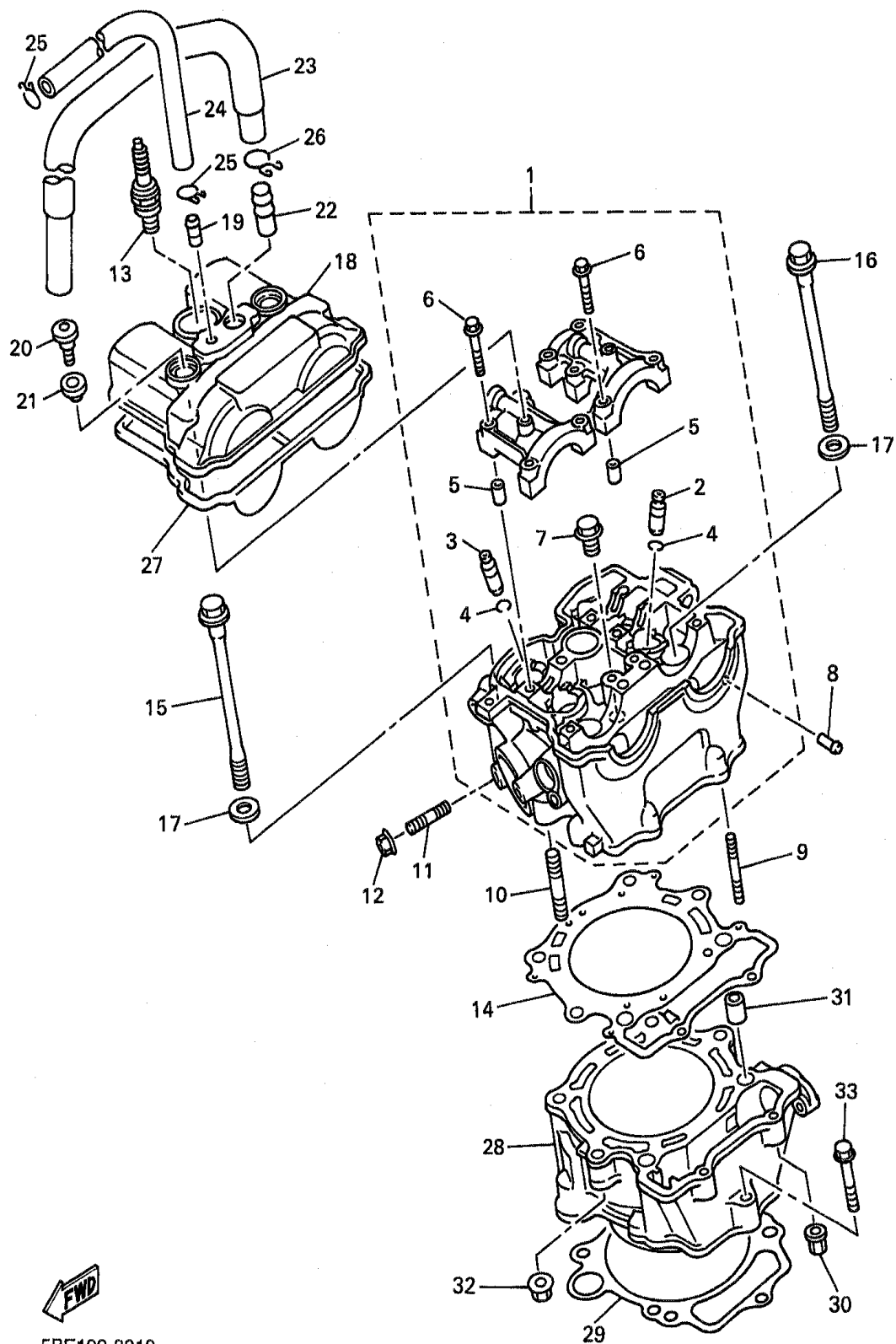
ASSEMBLY

LIT-11666-11-24

SERVICE

LIT-11626-11-24

YAMAHA
GENUINE
Parts & Accessories

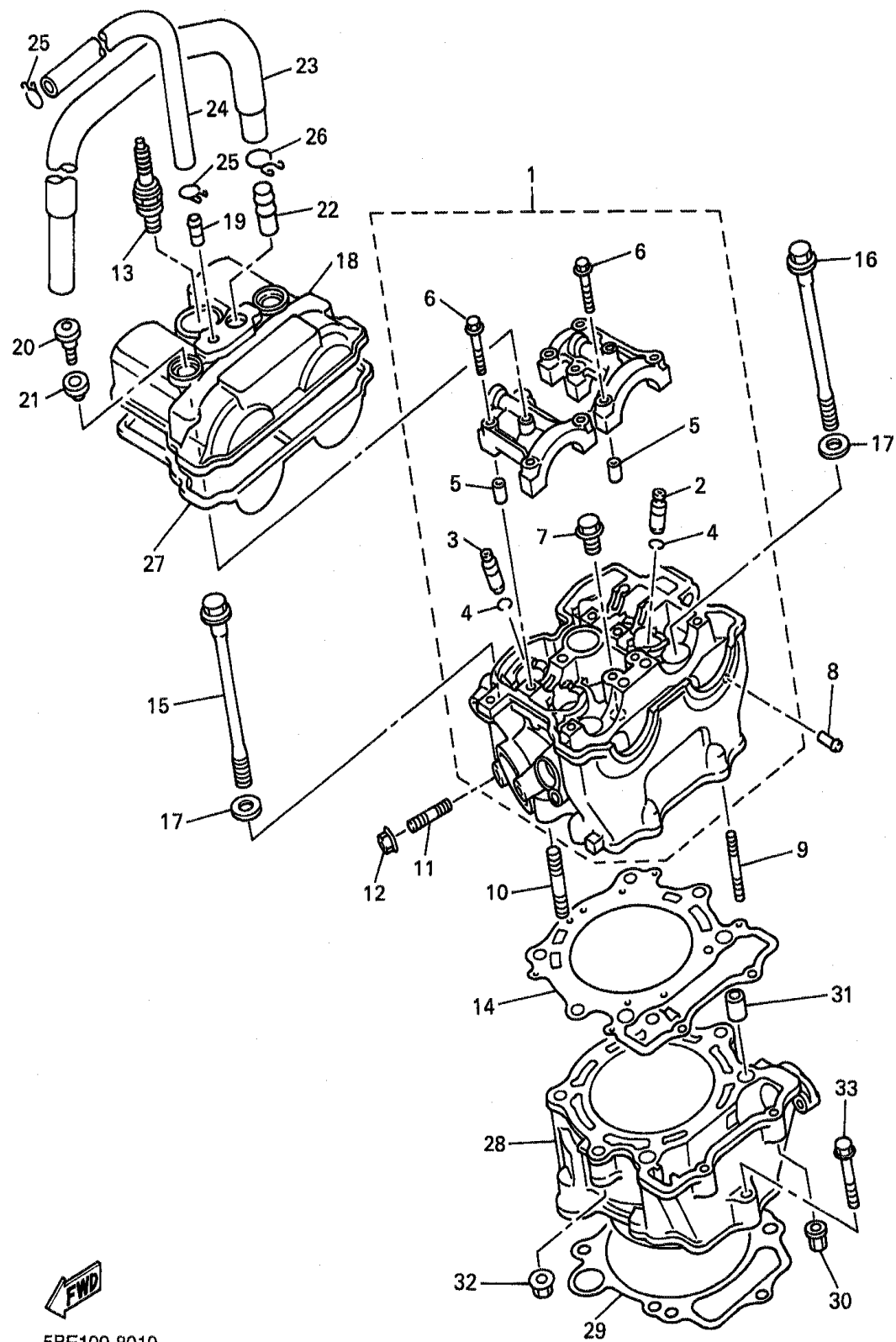


5BE100-8010

CYLINDER

Ref. No.	Part Number	Description	Qty	Remarks
1	5BE-11102-01-00	CYLINDER HEAD ASSEMBLY .	1	
2	5BE-11133-10-00	. GUIDE, INTAKE VALVE	3	
3	5BE-11134-10-00	. GUIDE, EXHAUST VALVE ...	2	
4	93440-10153-00	. CIRCLIP	5	
5	91808-16023-00	. PIN, DOWEL	4	
6	90105-06153-00	. BOLT, WASHER BASED	10	
7	90340-12112-00	. PLUG, STRAIGHT SCREW ...	1	
8	5BE-13582-00-00	PIPE	1	
9	95617-06635-00	BOLT, STUD	2	
10	95617-08635-00	BOLT, STUD	2	
11	95617-08620-00	BOLT, STUD	1	
12	95707-08500-00	NUT, FLANGE	1	
13	NGK-CR8E0-00-00	PLUG, SPARK (NGK-R CR8E) .	1	UR
14	5BE-11181-00-00	GASKET, CYLINDER HEAD 1 .	1	
15	90105-104A7-00	BOLT, WASHER BASED	2	
16	90105-106A3-00	BOLT, WASHER BASED	2	
17	90201-101A4-00	WASHER, PLATE	4	
18	5BE-11191-00-00	COVER, CYLINDER HEAD 1 ..	1	
19	5BE-11167-00-00	PIPE, BREATHER 2	1	
20	90109-066F0-00	BOLT	2	
21	4KG-1111G-00-00	RUBBER, MOUNT 1	2	
22	371-11167-01-00	PIPE, BREATHER 2	1	
23	5BE-11166-00-00	PIPE, BREATHER 1	1	
24	90445-112K0-00	HOSE	1	
25	90467-11106-00	CLIP	2	
26	90467-14015-00	CLIP	1	
27	5BE-11193-00-00	GASKET, HEAD COVER 1	1	
28	5BE-11311-01-00	CYLINDER 1	1	
29	5BF-11351-00-00	GASKET, CYLINDER	1	

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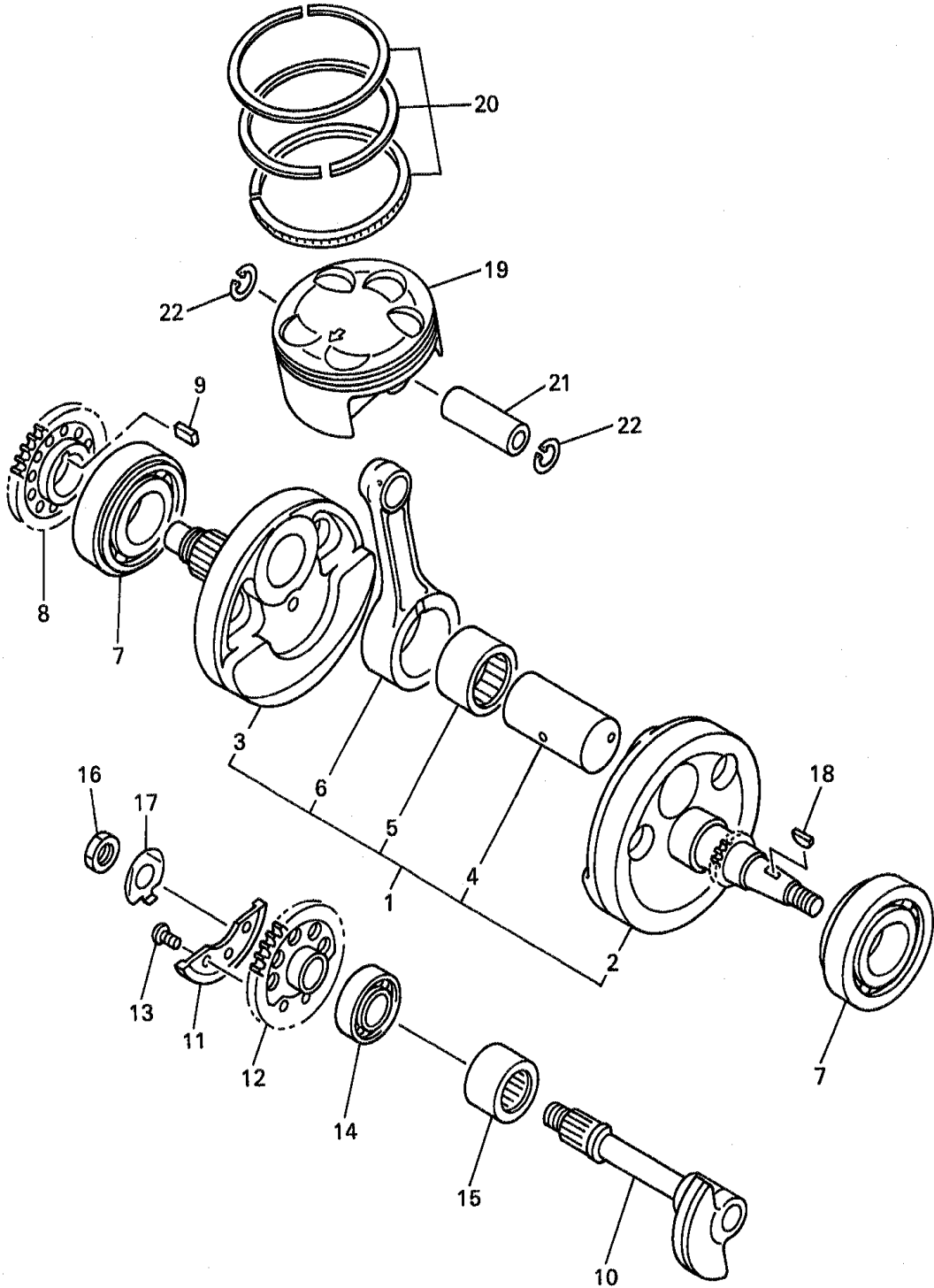
CYLINDER

Ref. No.	Part Number	Description	Qty	Remarks
30	90179-06500-00	NUT	2	
31	93612-16254-00	PIN, DOWEL	2	
32	90179-08270-00	NUT	2	
33	95027-06040-00	BOLT, FLANGE	1	



5BE100-8010

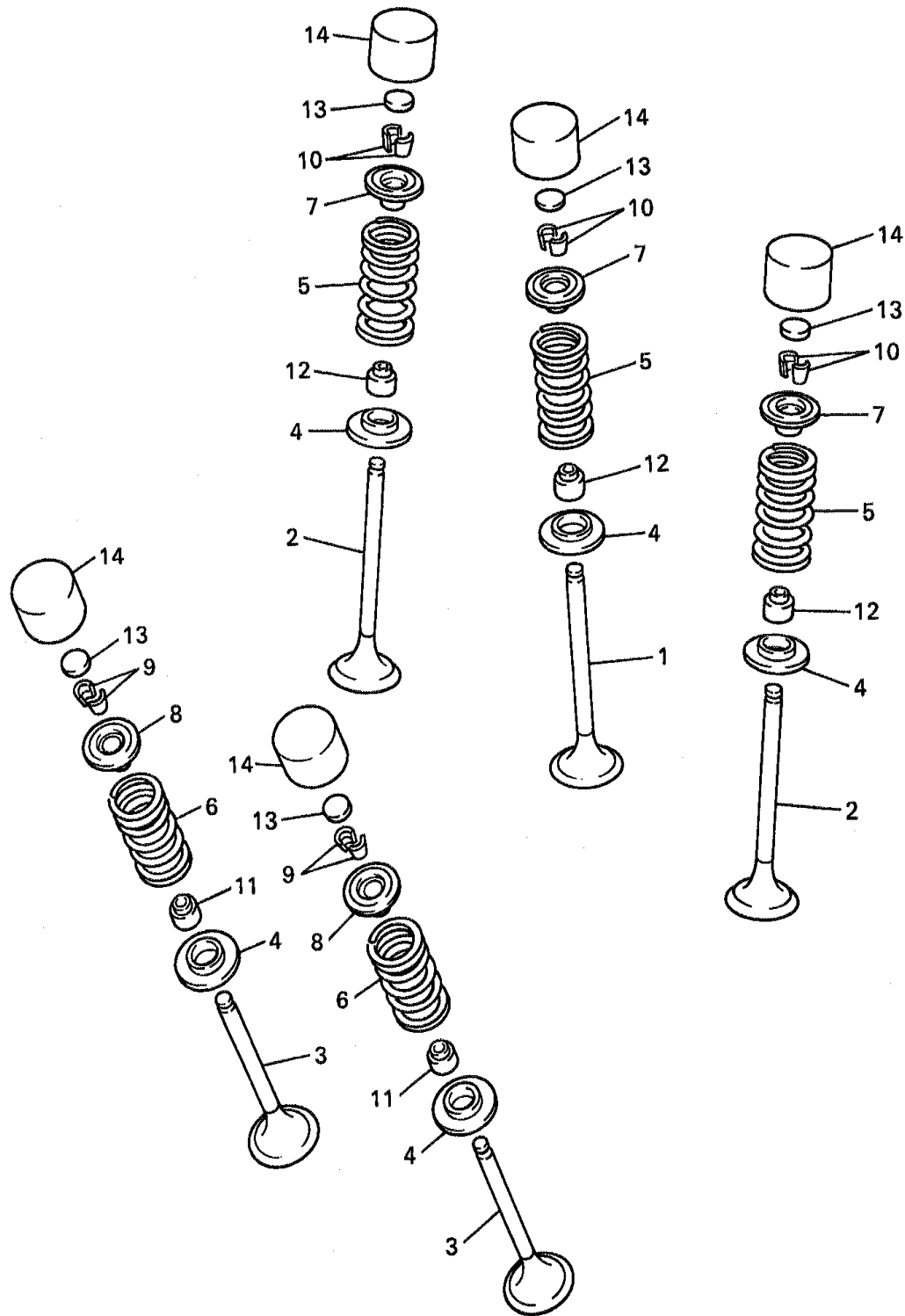
CRANKSHAFT - PISTON



Ref. No.	Part Number	Description	Qty	Remarks
1	5BF-11400-00-00	CRANKSHAFT ASSEMBLY ...	1	
2	5BE-11412-00-00	. CRANK 1	1	
3	5BE-11422-00-00	. CRANK 2	1	
4	5BE-11681-00-00	. PIN, CRANK 1	1	
5	93310-6340H-00	. BEARING	1	
6	5BE-11651-00-00	. ROD, CONNECTING	1	
7	93306-30633-00	BEARING	2	
8	5BE-11536-00-00	GEAR, DRIVE	1	
9	90282-05034-00	KEY, STRAIGHT	1	
10	5BE-11455-00-00	SHAFT 1	1	
11	5BE-11454-00-00	WEIGHT 1	1	
12	5BE-11531-00-00	GEAR, BALANCE WT	1	
13	90149-06250-00	SCREW	3	
14	93306-20335-00	BEARING	1	
15	93311-62574-00	BEARING	1	
16	90170-14171-00	NUT	1	
17	90215-14204-00	WASHER, LOCK	1	
18	90280-03045-00	KEY, WOODRUFF	1	
19	5BE-11631-02-A0	PISTON (STD)	1	
	5BE-11631-02-B0	PISTON (STD)	1	
20	5BE-11603-00-00	PISTON RING SET (STD)	1	
21	5BE-11633-00-00	PIN, PISTON	1	
22	93420-18082-00	CIRCLIP	2	



5BE100-8020



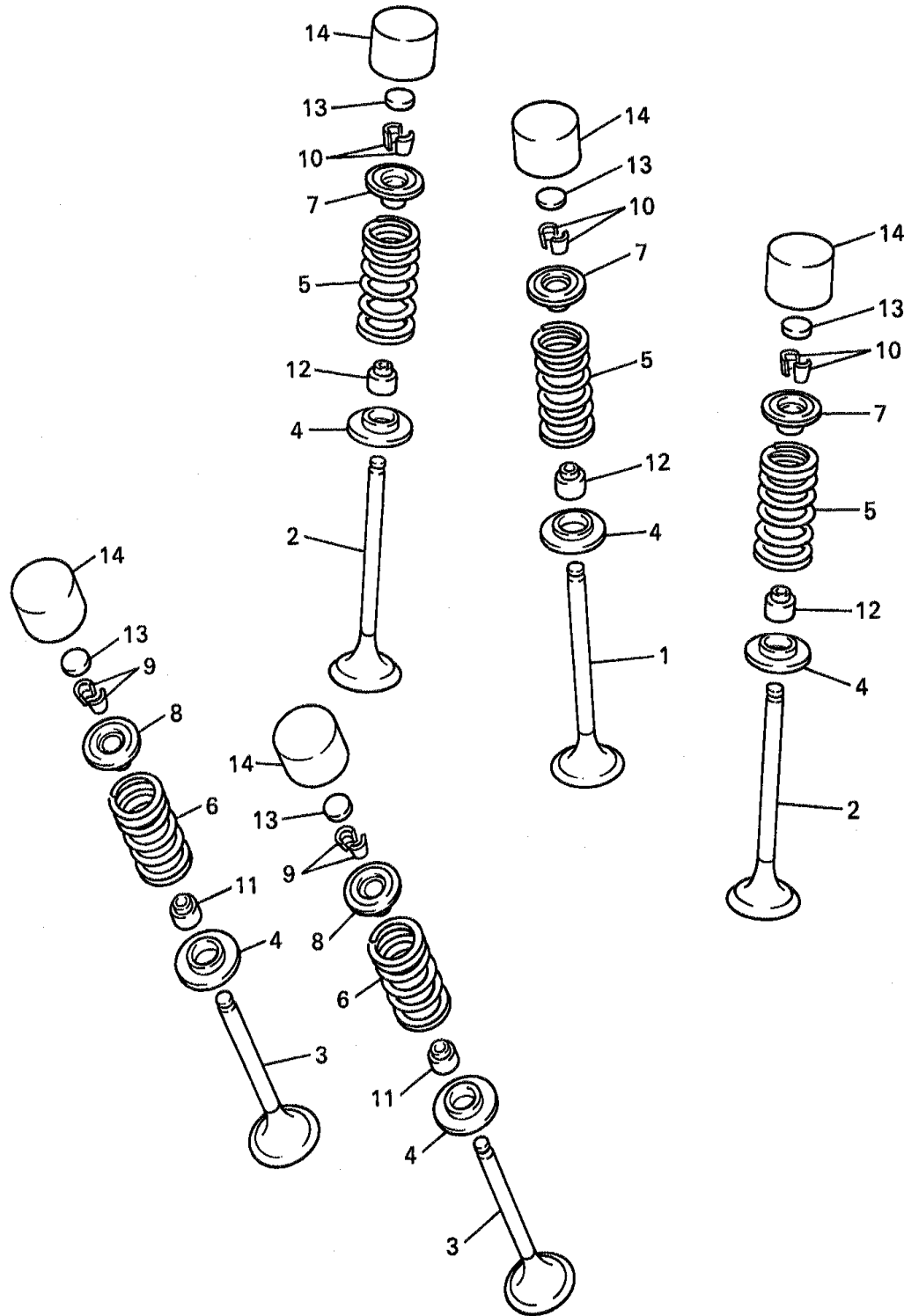
VALVE

Ref. No.	Part Number	Description	Qty	Remarks
1	5BE-12111-00-00	VALVE, INTAKE	1	
2	5BE-12112-00-00	VALVE, INTAKE 2	2	
3	5BE-12121-00-00	VALVE, EXHAUST	2	
4	3GM-12126-00-00	SEAT, VALVE SPRING 2	5	
5	5BE-12113-00-00	SPRING, VALVE INNER	3	
6	5BE-12114-00-00	SPRING, VALVE OUTER	2	
7	5BE-12117-00-00	RETAINER, VALVE SPRING ..	3	
8	4GY-12117-00-00	RETAINER, VALVE SPRING ..	2	
9	1AA-12118-00-00	COTTER, VALVE	4	
10	1WG-12118-00-00	COTTER, VALVE	6	
11	33M-12119-00-00	SEAL, VALVE STEM	2	
12	4SV-12119-00-00	SEAL, VALVE STEM	3	
13	3LD-12168-00-00	PAD, ADJUSTING (1.20)	5	UR
	3LD-12168-20-00	PAD, ADJUSTING (1.25)	5	UR
	3LD-12168-40-00	PAD, ADJUSTING (1.30)	5	UR
	3LD-12168-60-00	PAD, ADJUSTING (1.35)	5	UR
	3LD-12168-80-00	PAD, ADJUSTING (1.40)	5	UR
	3LD-12168-A0-00	PAD, ADJUSTING (1.45)	5	UR
	3LD-12168-F0-00	PAD, ADJUSTING (1.50)	5	UR
	3LD-12168-H1-00	PAD, ADJUSTING (1.55)	5	UR
	3LD-12168-K1-00	PAD, ADJUSTING (1.60)	5	UR
	3LD-12168-M1-00	PAD, ADJUSTING (1.65)	5	UR
	3LD-12168-R1-00	PAD, ADJUSTING (1.70)	5	UR
	3LD-12168-U1-00	PAD, ADJUSTING (1.75)	5	UR
	3LD-12168-W1-00	PAD, ADJUSTING (1.80)	5	UR
	3LD-12168-Y1-00	PAD, ADJUSTING (1.85)	5	UR
	3LD-12169-11-00	PAD, ADJUSTING (1.90)	5	UR
	3LD-12169-31-00	PAD, ADJUSTING (1.95)	5	UR
	3LD-12169-50-00	PAD, ADJUSTING (2.00)	5	UR

CONTINUED ON NEXT FRAME ➤



5BE100-8030

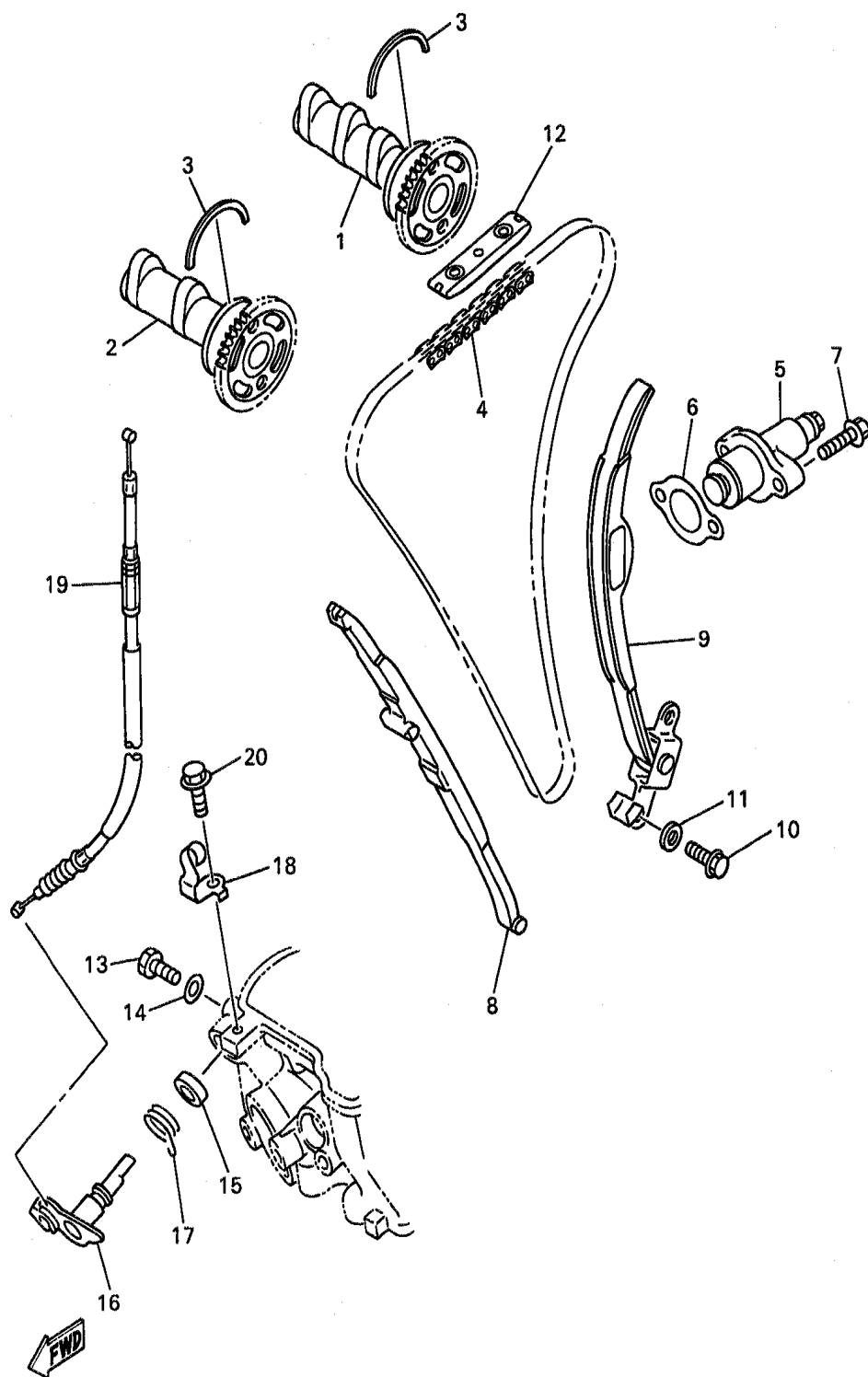


VALVE

Ref. No.	Part Number	Description	Qty	Remarks
13	3LD-12169-70-00	PAD, ADJUSTING (2.05)	5	UR
	3LD-12169-90-00	PAD, ADJUSTING (2.10)	5	UR
	3LD-12169-E0-00	PAD, ADJUSTING (2.15)	5	UR
	3LD-12169-G0-00	PAD, ADJUSTING (2.20)	5	UR
	3LD-12169-J0-00	PAD, ADJUSTING (2.25)	5	UR
	3LD-12169-L0-00	PAD, ADJUSTING (2.30)	5	UR
	3LD-12169-N0-00	PAD, ADJUSTING (2.35)	5	UR
	3LD-12169-T0-00	PAD, ADJUSTING (2.40)	5	UR
14	3FV-12153-10-00	LIFTER, VALVE	5	UR YELLOW
	3FV-12153-20-00	LIFTER, VALVE	5	UR BLUE



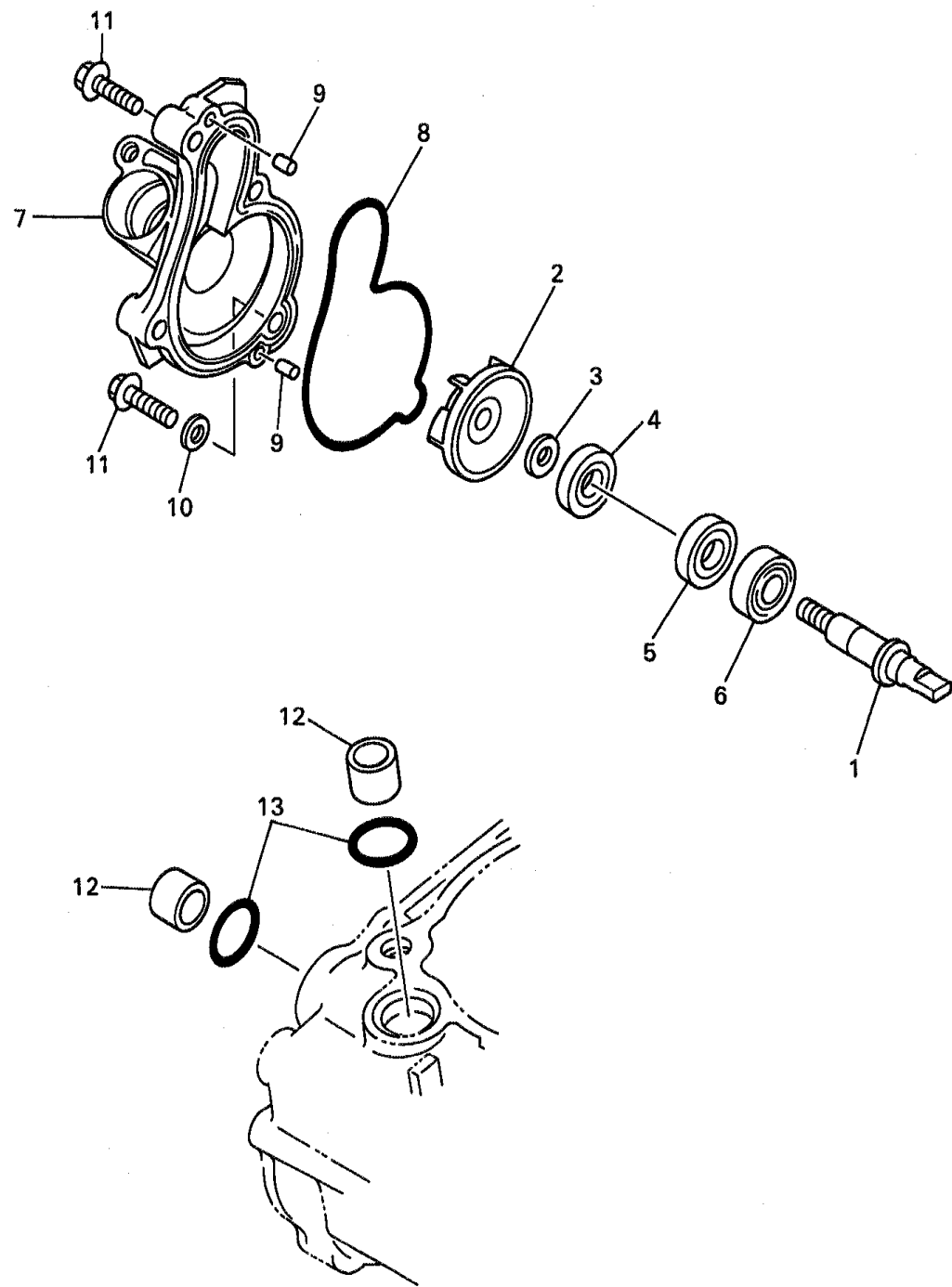
5BE100-8030



5BE100-8040

CAMSHAFT - CHAIN

Ref. No.	Part Number	Description	Qty	Remarks
1	5BF-12170-00-00	CAMSHAFT ASSEMBLY 1	1	
2	5BF-12180-00-00	CAMSHAFT ASSEMBLY 2	1	
3	93440-41178-00	CIRCLIP	2	
4	94591-50120-00	CHAIN	1	
5	5BE-12210-00-00	TENSIONER ASSEMBLY, CAM CHAIN	1	
6	4FM-12213-00-00	GASKET, TENSIONER CASE . .	1	
7	95027-06025-00	BOLT, FLANGE	2	
8	5BE-12251-00-00	DAMPER, CHAIN 1	1	
9	5BE-12252-00-00	DAMPER, CHAIN 2	1	
10	97027-06016-00	BOLT	2	
11	92907-06600-00	WASHER, PLATE	2	
12	5BE-12241-00-00	GUIDE, STOPPER 2	1	
13	90109-06418-00	BOLT	1	
14	90430-06014-00	GASKET	1	
15	93102-12224-00	OIL SEAL	1	
16	5BE-12280-00-00	DECOMPRESSION ASSEMBLY	1	
17	90508-162B2-00	SPRING, TORSION	1	
18	5BE-12283-00-00	BRACKET, DECOMPRESSION .	1	
19	5BE-12292-00-00	CABLE, DECOMPRESSION ...	1	
20	95827-06014-00	BOLT, FLANGE	1	



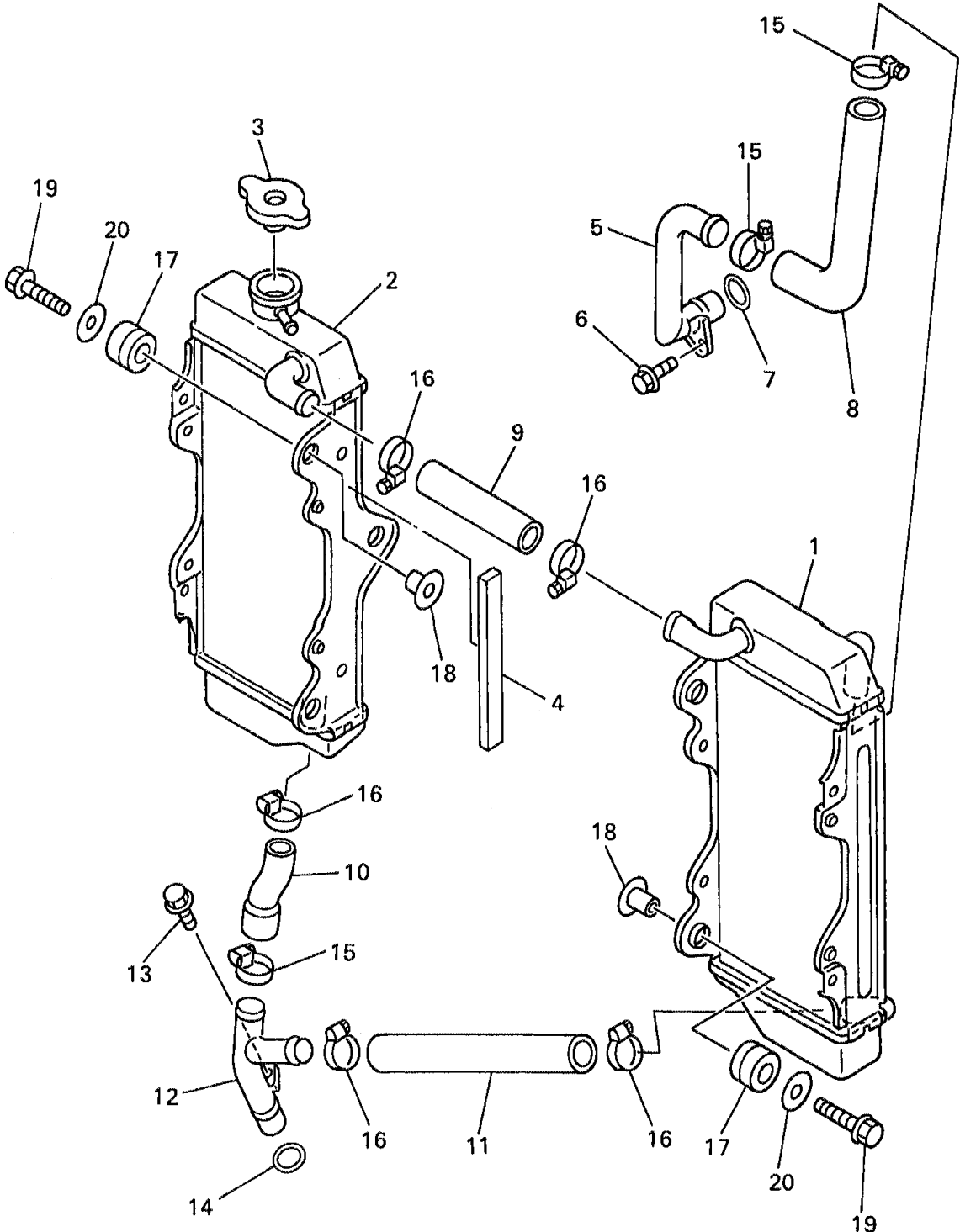
WATER PUMP

Ref. No.	Part Number	Description	Qty	Remarks
1	5BE-12458-00-00	SHAFT, IMPELLER	1	
2	5DJ-12451-00-00	IMPELLER, WATER PUMP	1	
3	90201-08512-00	WASHER, PLATE	1	
4	93109-11073-00	OIL SEAL	1	
5	93102-12106-00	OIL SEAL (SD 12-22-5 HS)	1	
6	93306-00105-00	BEARING (B6001)	1	
7	5BE-12422-00-00	COVER, HOUSING	1	
8	5BE-12439-00-00	O-RING	1	
9	93604-10011-00	PIN, DOWEL	2	
10	90430-06166-00	GASKET	1	
11	95027-06025-00	BOLT, FLANGE	4	
12	5BE-12564-00-00	PIPE, WATER	2	
13	93210-19758-00	O-RING	2	



5BE100-8050

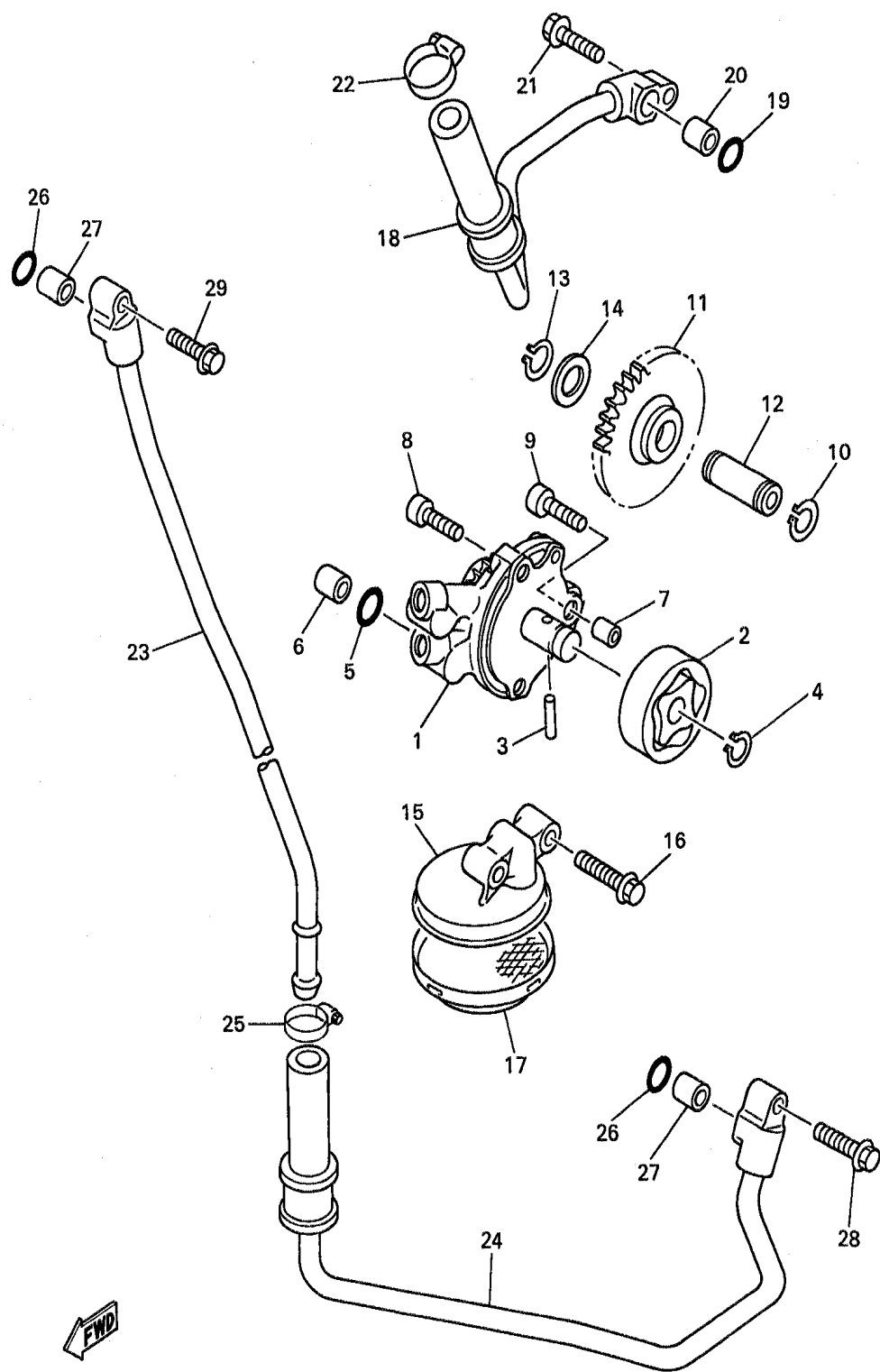
RADIATOR - HOSE



Ref. No.	Part Number	Description	Qty	Remarks
1	5BF-1240A-00-00	RADIATOR ASSEMBLY	1	
2	5BF-12461-00-00	RADIATOR ASSEMBLY	1	
3	22W-12462-00-00	CAP, RADIATOR	1	
4	3GD-24181-00-00	DAMPER, LOCATING 1	1	
5	5BE-12481-00-00	PIPE 1	1	
6	95027-06012-00	BOLT, FLANGE	1	
7	93210-18397-00	O-RING	1	
8	5BE-12576-00-00	HOSE 1	1	
9	5BE-12577-00-00	HOSE 2	1	
10	5BE-12578-00-00	HOSE 3	1	
11	5BE-12579-00-00	HOSE 4	1	
12	5BE-12482-00-00	PIPE 2	1	
13	95027-06012-00	BOLT, FLANGE	1	
14	93210-18397-00	O-RING	1	
15	90450-28014-00	HOSE CLAMP ASSEMBLY ...	3	
16	90450-25037-00	HOSE CLAMP ASSEMBLY ...	5	
17	90480-15528-00	GROMMET	6	
18	90387-0614M-00	COLLAR	6	
19	95027-06025-00	BOLT, FLANGE	6	
20	90201-06071-00	WASHER, PLATE	6	



5BF100-8060

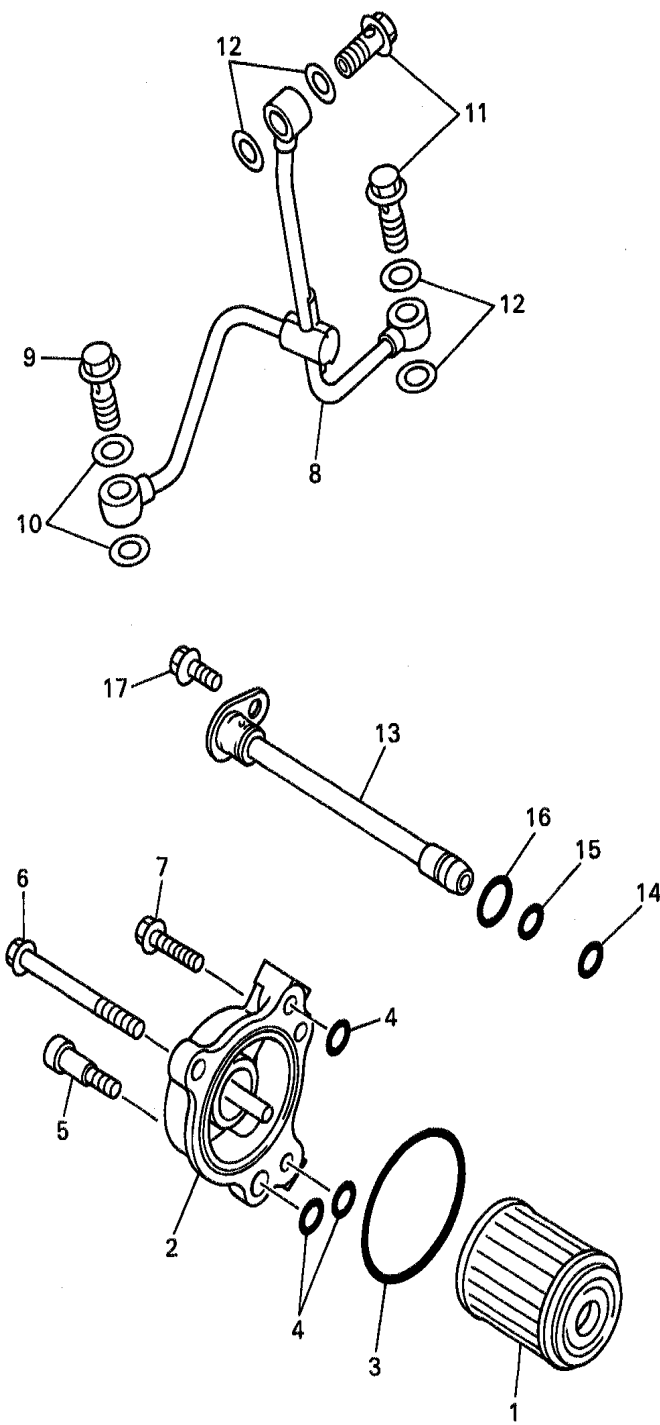


5BE100-8070

OIL PUMP

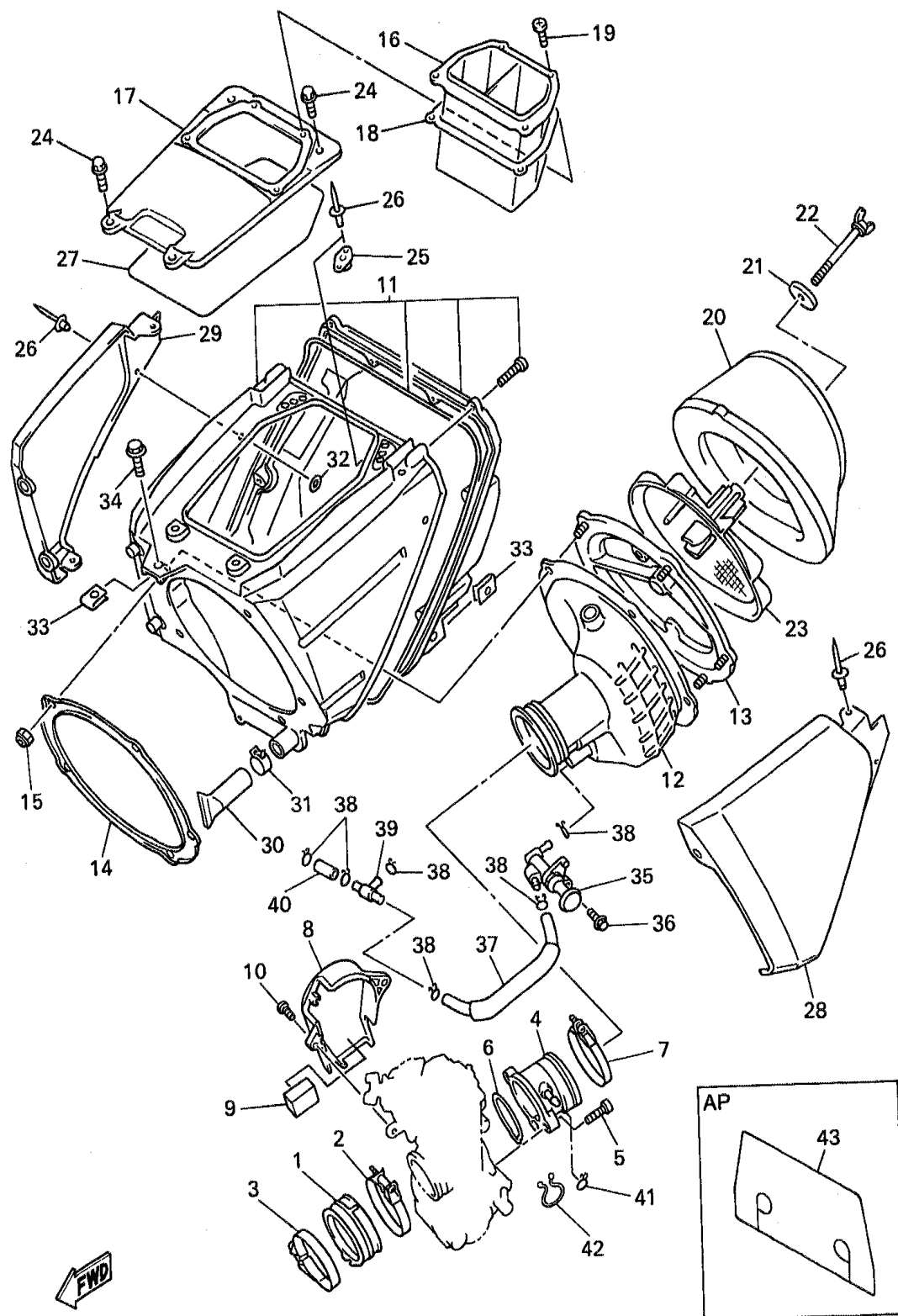
Ref. No.	Part Number	Description	Qty	Remarks
1	5BE-13300-00-00	OIL PUMP ASSEMBLY	1	
2	1HX-13310-00-00	ROTOR ASSEMBLY 1	1	
3	93603-17070-00	PIN, DOWEL	1	
4	93440-10085-00	CIRCLIP	1	
5	93210-10197-00	O-RING	1	
6	99530-10114-00	PIN, DOWEL	1	
7	99530-08012-00	PIN, DOWEL	1	
8	91317-06025-00	BOLT	2	
9	91314-06030-00	BOLT	1	
10	99001-08600-00	CIRCLIP	1	
11	5BE-13341-00-00	GEAR, OIL PUMP IDLE	1	
12	5BE-13342-00-00	SHAFT, IDLE GEAR	1	
13	99009-12400-00	CIRCLIP	1	
14	90201-12166-00	WASHER, PLATE	1	
15	5BE-13412-00-00	HOUSING, STRAINER	1	
16	95027-06025-00	BOLT, FLANGE	2	
17	5BE-13411-00-00	STRAINER, OIL	1	
18	5BE-13464-00-00	HOSE, OIL 1	1	
19	93210-10197-00	O-RING	1	
20	99530-10114-00	PIN, DOWEL	1	
21	95027-06025-00	BOLT, FLANGE	1	
22	90450-22017-00	HOSE CLAMP ASSEMBLY ...	1	
23	5BE-13416-00-00	PIPE, OIL 1	1	
24	5BE-13465-00-00	HOSE, OIL 2	1	
25	90450-22017-00	HOSE CLAMP ASSEMBLY ...	1	
26	93210-10197-00	O-RING	2	
27	99530-10114-00	PIN, DOWEL	2	
28	95027-06025-00	BOLT, FLANGE	1	
29	95024-06020-00	BOLT, FLANGE	1	

OIL CLEANER



Ref. No.	Part Number	Description	Qty	Remarks
1	1UY-13440-02-00	ELEMENT ASSEMBLY, OIL CLEANER	1	
2	5BE-13447-00-00	COVER, OIL ELEMENT	1	
3	93210-50553-00	O-RING	1	
4	93210-07135-00	O-RING	3	
5	90109-065G2-00	BOLT	1	
6	95027-06065-00	BOLT, FLANGE	1	
7	95027-06020-00	BOLT, FLANGE	1	
8	5BE-13161-00-00	PIPE, DELIVERY 1	1	
9	90401-10159-00	BOLT, UNION	1	
10	90430-10188-00	GASKET	2	
11	90401-08038-00	BOLT, UNION	2	
12	90430-08119-00	GASKET	4	
13	5BE-13171-00-00	PIPE, DELIVERY 2	1	
14	93210-07003-00	O-RING	1	
15	93210-09008-00	O-RING	1	
16	93210-12759-00	O-RING	1	
17	95027-06012-00	BOLT, FLANGE	1	

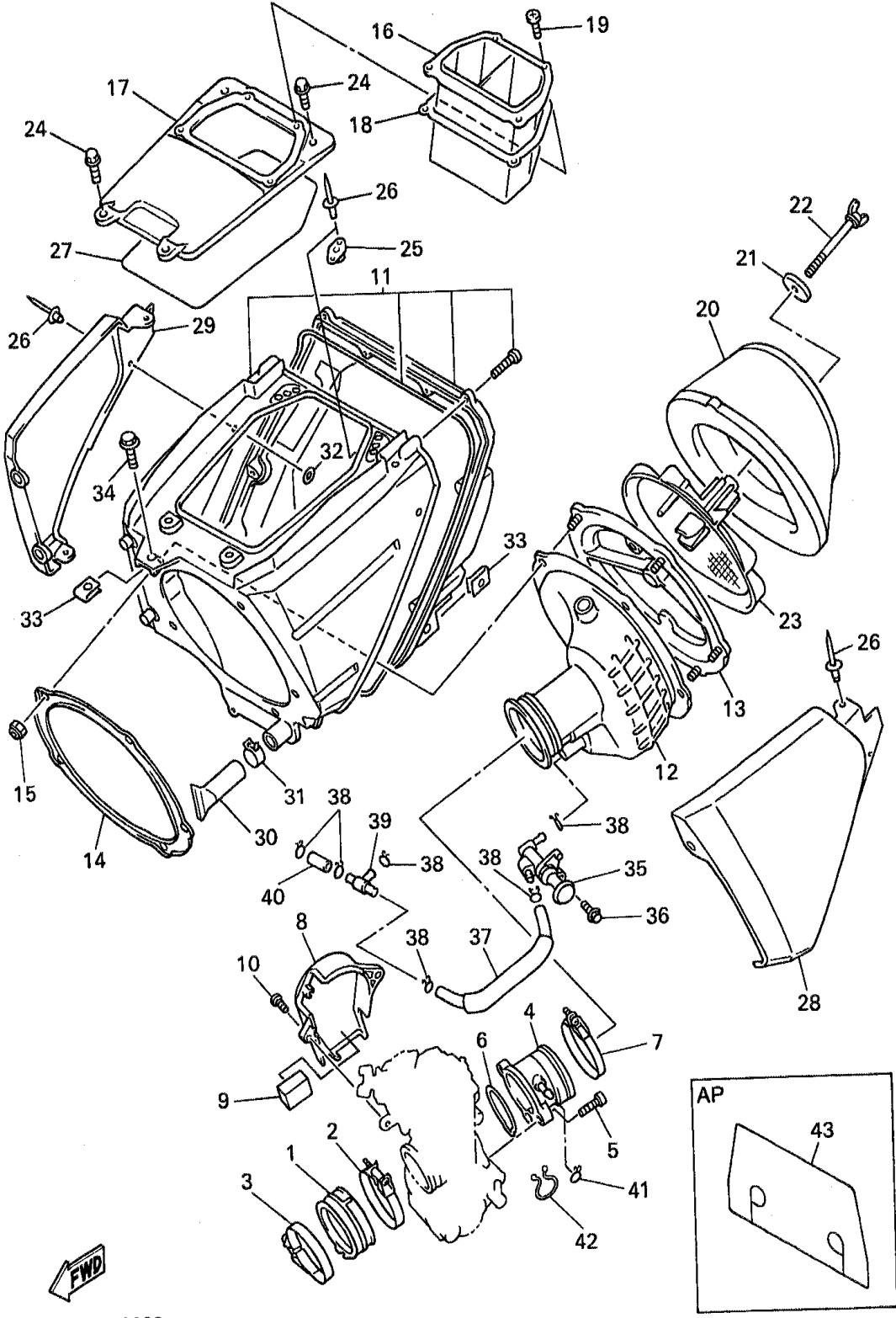
 5BE100-8080



INTAKE

Ref. No.	Part Number	Description	Qty	Remarks
1	5BE-13597-00-00	JOINT, CARBURETOR 3	1	
2	90450-57092-00	HOSE CLAMP ASSEMBLY	1	
3	90450-59091-00	HOSE CLAMP ASSEMBLY	1	
4	5BF-1440F-00-00	JOINT, AIR FILTER 1	1	
5	91317-05014-00	BOLT	2	
6	4FN-14561-00-00	O-RING	1	
7	90460-61162-00	CLAMP, HOSE	1	
8	5BE-14293-00-00	COVER 1	1	
9	5BF-14409-00-00	DAMPER	1	
10	90111-06017-00	BOLT	2	
11	5BE-14401-00-00	AIR CLEANER CASE ASSEMBLY	1	
12	5BE-14453-00-00	JOINT, AIR CLEANER 1	1	
13	3JD-14459-01-00	HOLDER, GUIDE	1	
14	3JD-14477-00-00	PLATE	1	
15	95607-05100-00	NUT, U	5	
16	5BF-14437-00-00	DUCT	1	
17	5BF-1441A-00-00	COVER, CLEANER CASE 1	1	
18	5BF-14452-00-00	SEAL	1	
19	97707-50012-00	SCREW, TAPPING	4	
20	4XM-14451-00-00	ELEMENT, AIR CLEANER	1	
21	90209-06096-00	WASHER	1	
22	90122-06035-00	BOLT, WING	1	
23	5BE-14458-00-00	GUIDE	1	
24	95807-06016-00	BOLT, FLANGE	4	
25	5BF-14493-00-00	STAY 1	2	
26	90267-32070-00	RIVET, BLIND	9	
27	5BF-14457-00-00	SEAL	1	
28	5BE-1441A-00-00	COVER, CLEANER CASE 1	1	

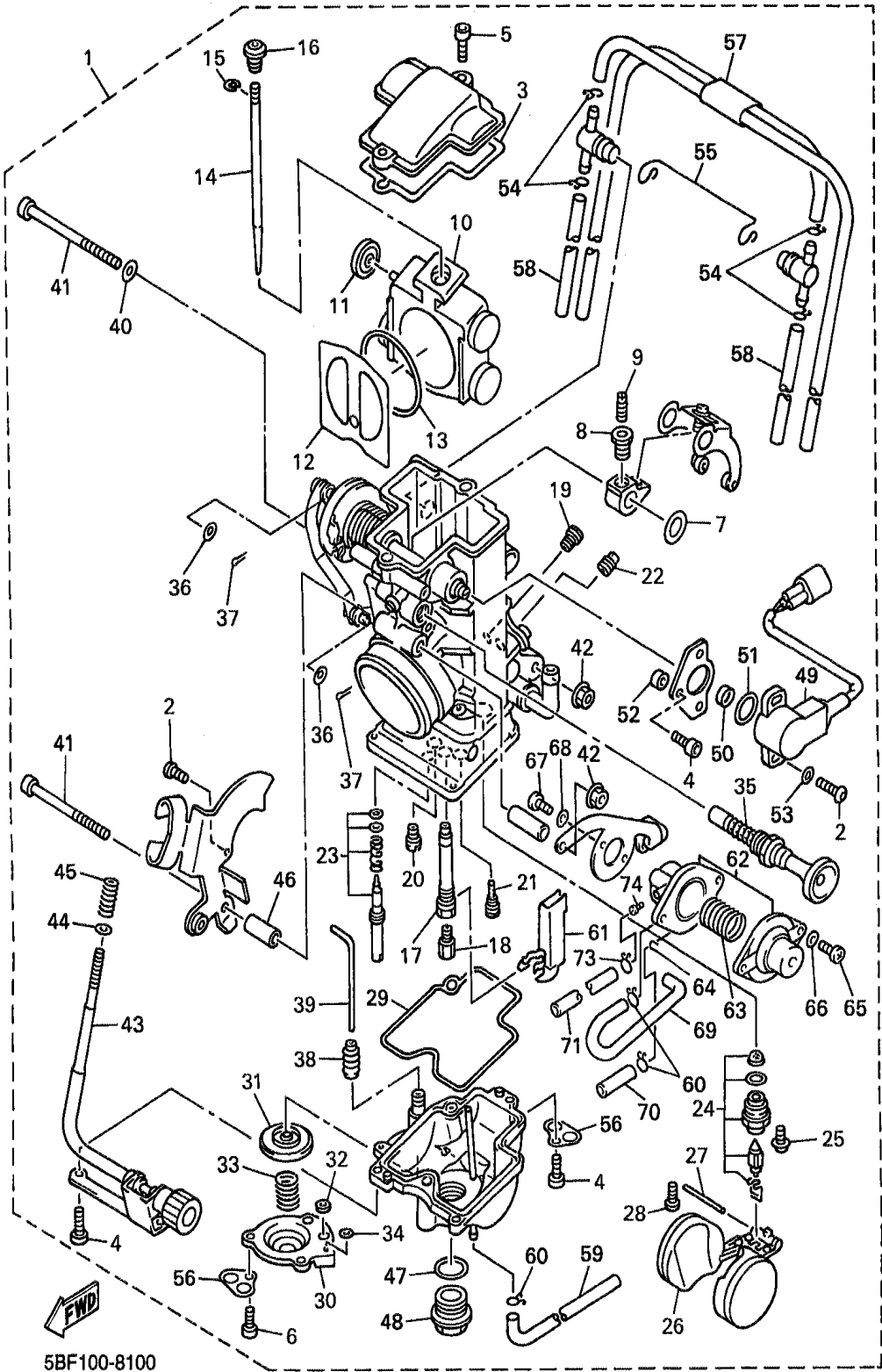
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INTAKE

Ref. No.	Part Number	Description	Qty	Remarks
29	5BE-1441E-00-00	COVER, CLEANER CASE 2 ...	1	
30	5BF-1443E-00-00	PIPE, DRAIN	1	
31	90467-17089-00	CLIP	1	
32	90201-03313-00	WASHER, PLATE	5	
33	90183-06023-00	NUT, SPRING	2	
34	95027-06012-00	BOLT, FLANGE	1	
35	5BE-14340-00-00	VALVE ASSEMBLY	1	
36	95027-06016-00	BOLT, FLANGE	1	
37	5BF-14349-00-00	PIPE	1	
38	90467-09103-00	CLIP	6	
39	90413-06031-00	WAY 3	1	
40	90445-095K0-00	HOSE	1	
41	90467-08017-00	CLIP	1	
42	90464-16039-00	CLAMP	1	
43	5BE-14417-00-00	COVER 1	1	AP

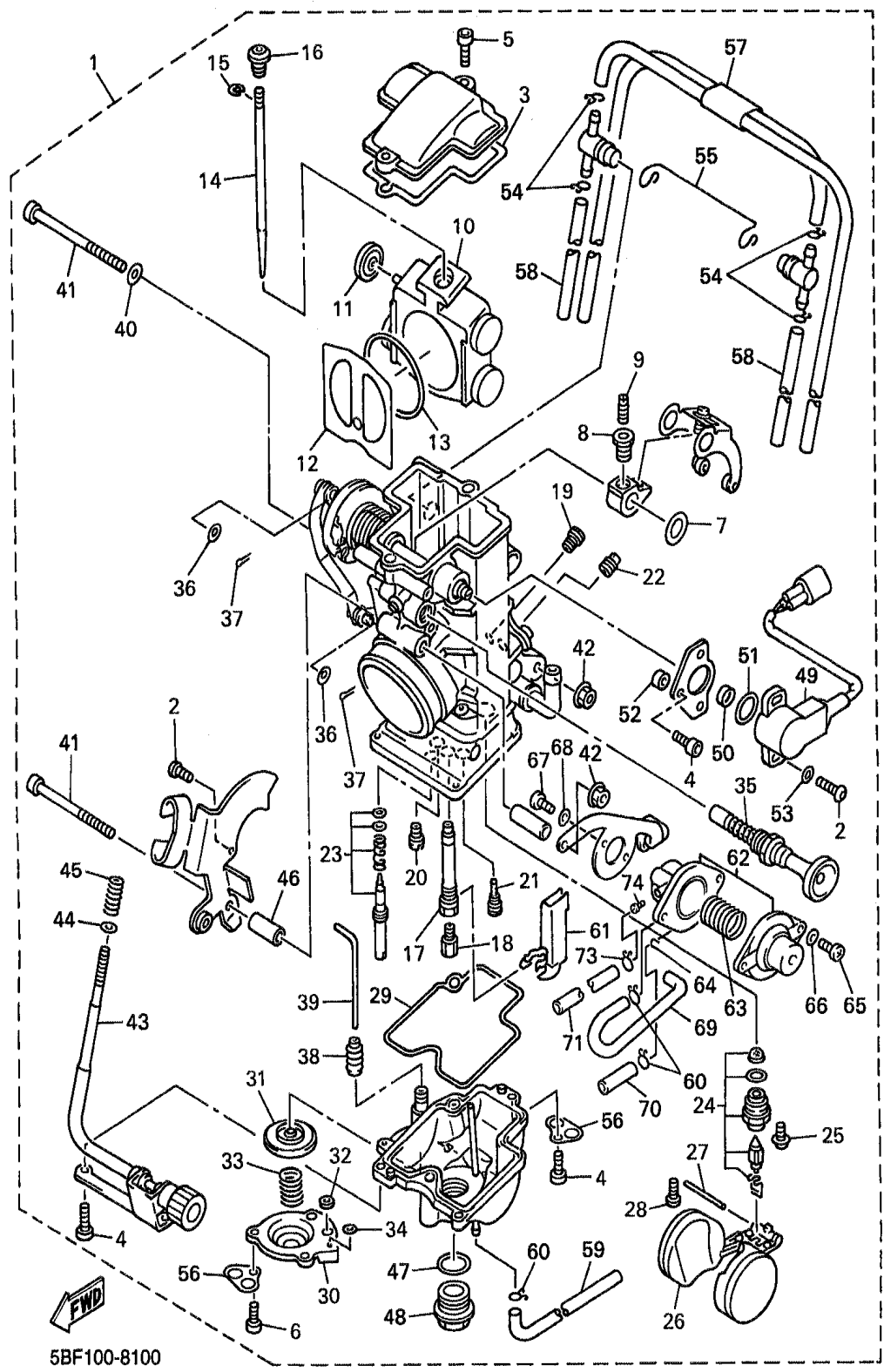
CARBURETOR



Ref. No.	Part Number	Description	Qty	Remarks
1	5BF-14101-00-00	CARBURETOR ASSEMBLY 1	1	
2	3TJ-14496-40-00	. BOLT	5	
3	5BE-14959-00-00	. GASKET	1	
4	91316-04012-00	. BOLT	4	
5	91316-04012-00	. BOLT	2	
6	91316-04008-00	. BOLT	3	
7	90202-08045-00	. WASHER, PLATE	1	
8	3TJ-14393-40-00	. NUT, CROWN	1	
9	3TJ-14522-40-00	. SCREW, ADJUST	1	
10	5BE-14388-00-00	. VALVE ASSEMBLY	1	
11	3TJ-14267-40-00	. ROLLER	1	
12	4FN-14546-00-00	. VALVE, NEEDLE	1	
13	4FN-14997-00-00	. SEAL	1	
14	5BF-14916-D1-00	. NEEDLE (#DTQ)	1	AP
	5BF-14916-DJ-00	. NEEDLE (#DTJ)	1	AP
	5BF-14916-DK-00	. NEEDLE (#DTK)	1	AP
	5BF-14916-DL-00	. NEEDLE (#DTL)	1	AP
	5BF-14916-DM-00	. NEEDLE (#DTM)	1	STD
	5BF-14916-DN-00	. NEEDLE (#DTN)	1	AP
	5BF-14916-DP-00	. NEEDLE (#DTP)	1	AP
15	3TJ-14159-40-00	. CLIP	1	
16	5BE-14521-00-00	. SCREW, ADJUST	1	
17	5BE-14947-00-00	. JET, NEEDLE	1	
18	4MX-14943-39-00	. JET, MAIN (#160)	1	AP
	4MX-14943-40-00	. JET, MAIN (#165)	1	AP
	4MX-14943-41-00	. JET, MAIN (#170)	1	AP
	4MX-14943-42-00	. JET, MAIN (#175)	1	AP
	4MX-14943-43-00	. JET, MAIN (#180)	1	AP
	4MX-14943-89-00	. JET, MAIN (#158)	1	AP

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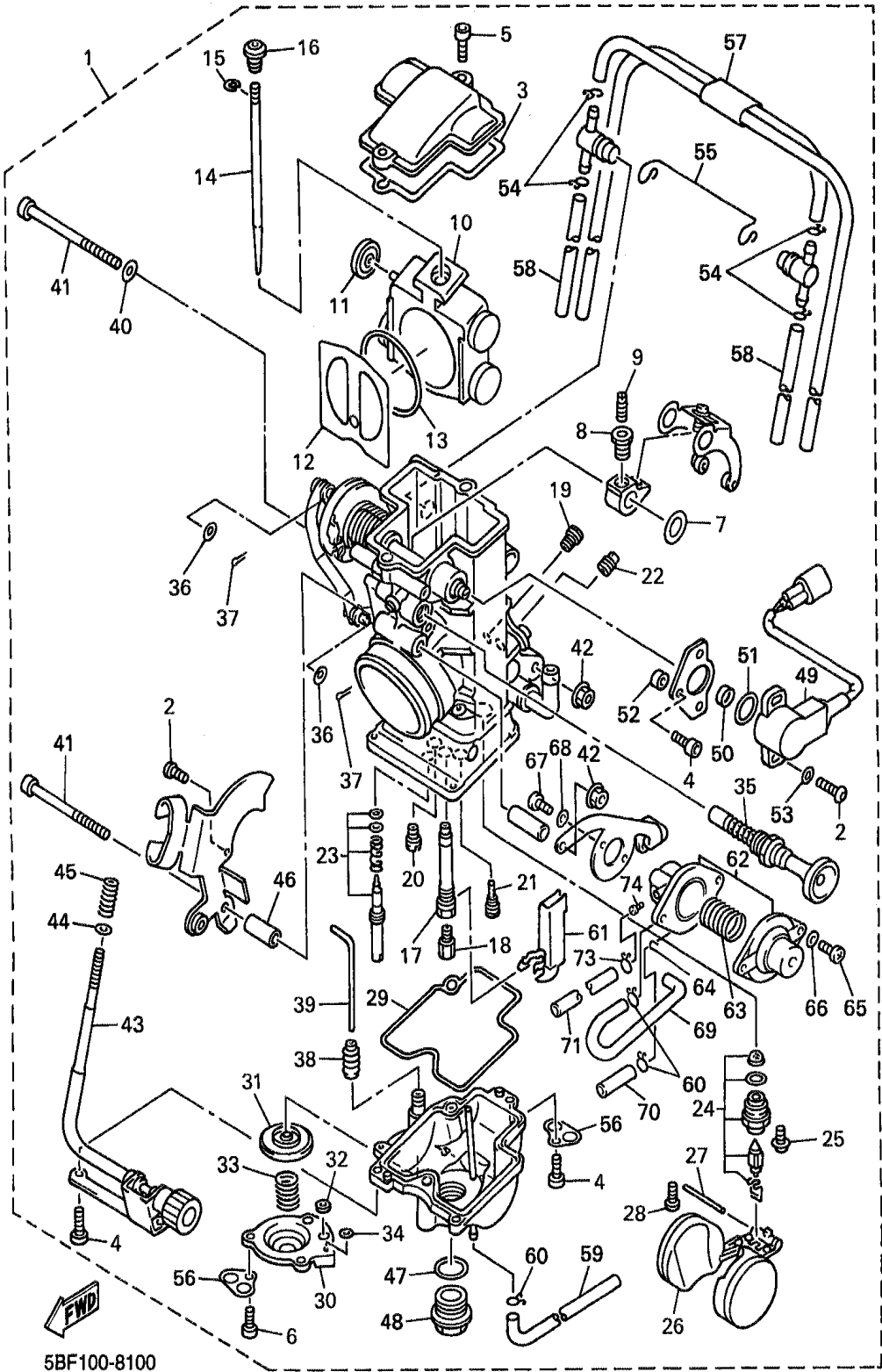
CARBURETOR



Ref. No.	Part Number	Description	Qty	Remarks
18	4MX-14943-90-00	. JET, MAIN (#162)	1	AP
	4MX-14943-91-00	. JET, MAIN (#168)	1	STD
	4MX-14943-92-00	. JET, MAIN (#172)	1	AP
	4MX-14943-93-00	. JET, MAIN (#178)	1	AP
19	3TJ-14943-47-00	. JET (#200)	1	
20	3TJ-14948-03-00	. JET (#40)	1	AP
	3TJ-14948-04-00	. JET (#42)	1	AP
	3TJ-14948-05-00	. JET (#45)	1	STD
	3TJ-14948-06-00	. JET (#48)	1	AP
	3TJ-14948-07-00	. JET (#50)	1	AP
21	3TJ-1494F-18-00	. JET (#78)	1	AP
	3TJ-1494F-19-00	. JET (#80)	1	AP
	3TJ-1494F-20-00	. JET (#82)	1	AP
	3TJ-1494F-20-00	. JET (#82)	1	UR STD
	3TJ-1494F-21-00	. JET (#85)	1	AP
	3TJ-1494F-22-00	. JET (#88)	1	AP
	3TJ-1494F-23-00	. JET (#90)	1	AP
22	5BF-14943-27-00	. JET, MAIN (#100)	1	AP
	7A9-14943-17-00	. JET, MAIN (#75)	1	STD
23	3TJ-14105-40-00	. PILOT SCREW SET	1	
24	5BE-14107-00-00	. NEEDLE VALVE SET	1	
25	5BE-14216-00-00	. SCREW	1	
26	5BE-14985-00-00	. FLOAT	1	
27	676-14548-00-00	. PIN, FLOAT ARM	1	
28	688-14592-00-00	. SCREW	1	
29	3TJ-14984-40-00	. GASKET, FLOAT CHAMBER .	1	
30	3TJ-14293-40-00	. COVER 1	1	
31	5BE-14940-07-00	. DIAPHRAGM ASSEMBLY ...	1	AP
	5BE-14940-08-00	. DIAPHRAGM ASSEMBLY ...	1	STD

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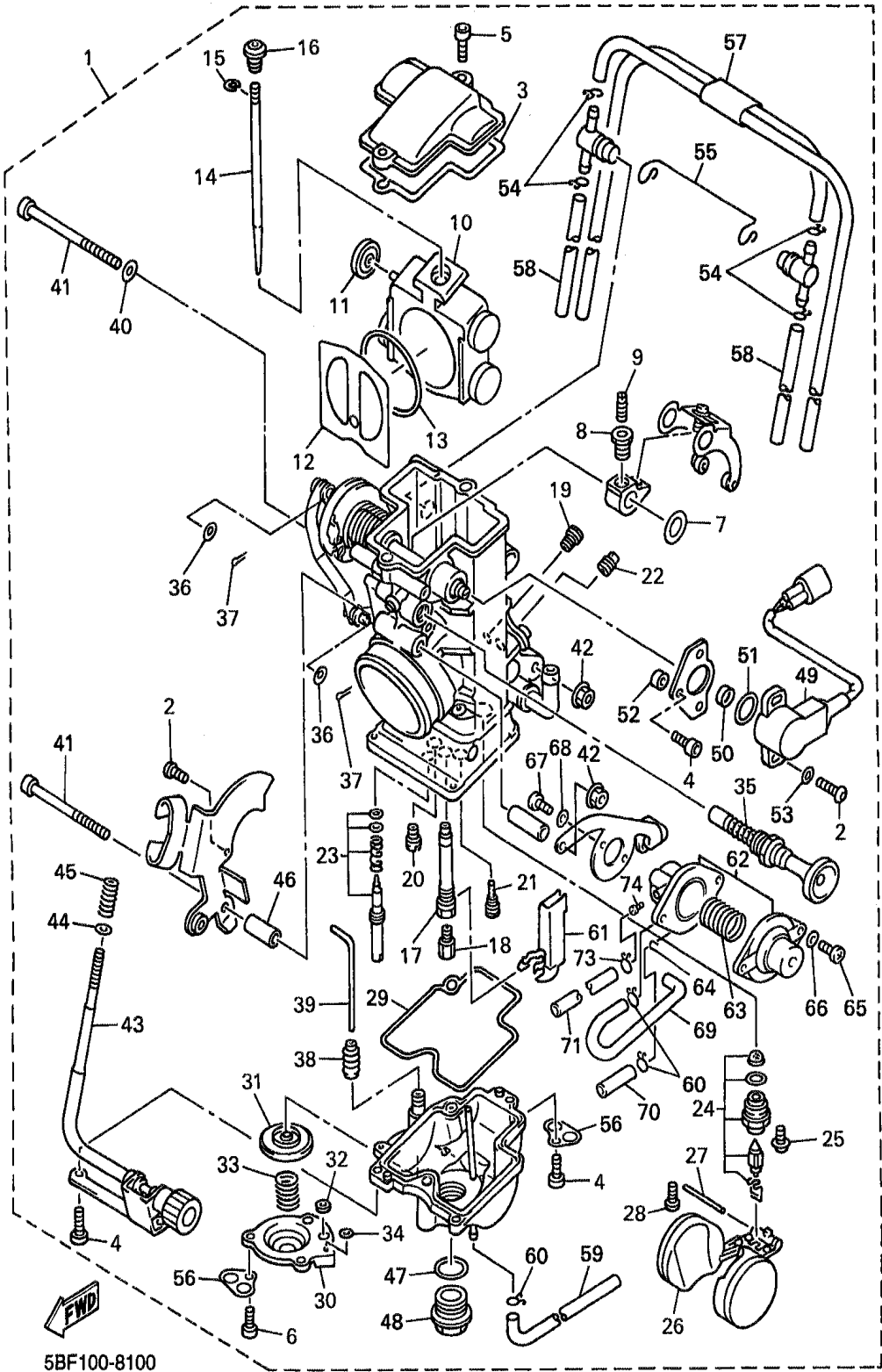
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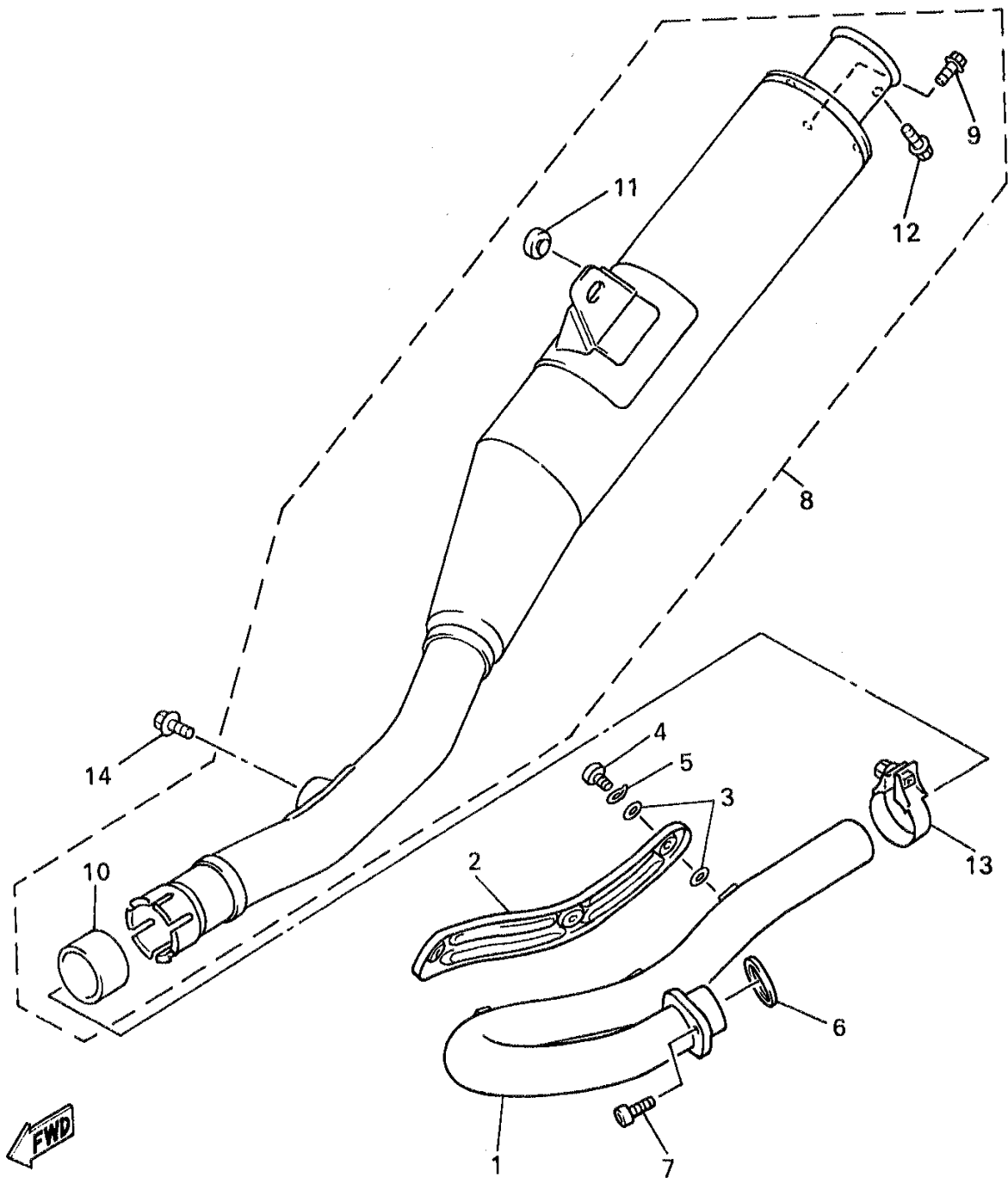
Ref. No.	Part Number	Description	Qty	Remarks
31	5BE-14940-09-00	. DIAPHRAGM ASSEMBLY . . .	1	AP
32	3TJ-14536-40-00	. GASKET	1	
33	3TJ-14933-40-00	. SPRING, DIAPHRAGM	1	
34	6H4-14561-00-00	. O-RING	1	
35	5BE-14171-00-00	. PLUNGER, STARTER	1	
36	90202-03052-00	. WASHER, PLATE	2	
37	3TJ-14365-40-00	. PIN, CLEVIS	2	
38	5BE-14968-00-00	. CAP	1	
39	5BE-14379-00-00	. ROD, STARTER	1	
40	5BE-14557-00-00	. WASHER	1	
41	5BE-14162-00-00	. BOLT, HOLDING	2	
42	95704-05500-00	. NUT, FLANGE	2	
43	5BE-14922-00-00	. SCREW, THROTTLE	1	
44	90201-08410-00	. WASHER, PLATE	1	
45	4FN-14934-00-00	. SPRING, THROTTLE STOP . .	1	
46	5BE-14535-00-00	. COLLAR	1	
47	5BE-14561-00-00	. O-RING	1	
48	5BE-14115-00-00	. PLUG, SCREW	1	
49	5BE-85885-00-00	. THROTTLE SENSOR ASSEMBLY	1	
50	5BE-14449-00-00	. COLLAR	1	
51	5BE-14562-00-00	. O-RING	1	
52	5BE-14265-00-00	. COLLAR	1	
53	5BE-14596-00-00	. WASHER	2	
54	3TJ-14137-40-00	. CLIP	5	
55	5BE-14137-00-00	. CLIP	1	
56	5BE-14146-00-00	. PLATE	2	
57	5BE-14197-00-00	. PIPE	1	
58	5BE-14148-00-00	. PIPE	2	

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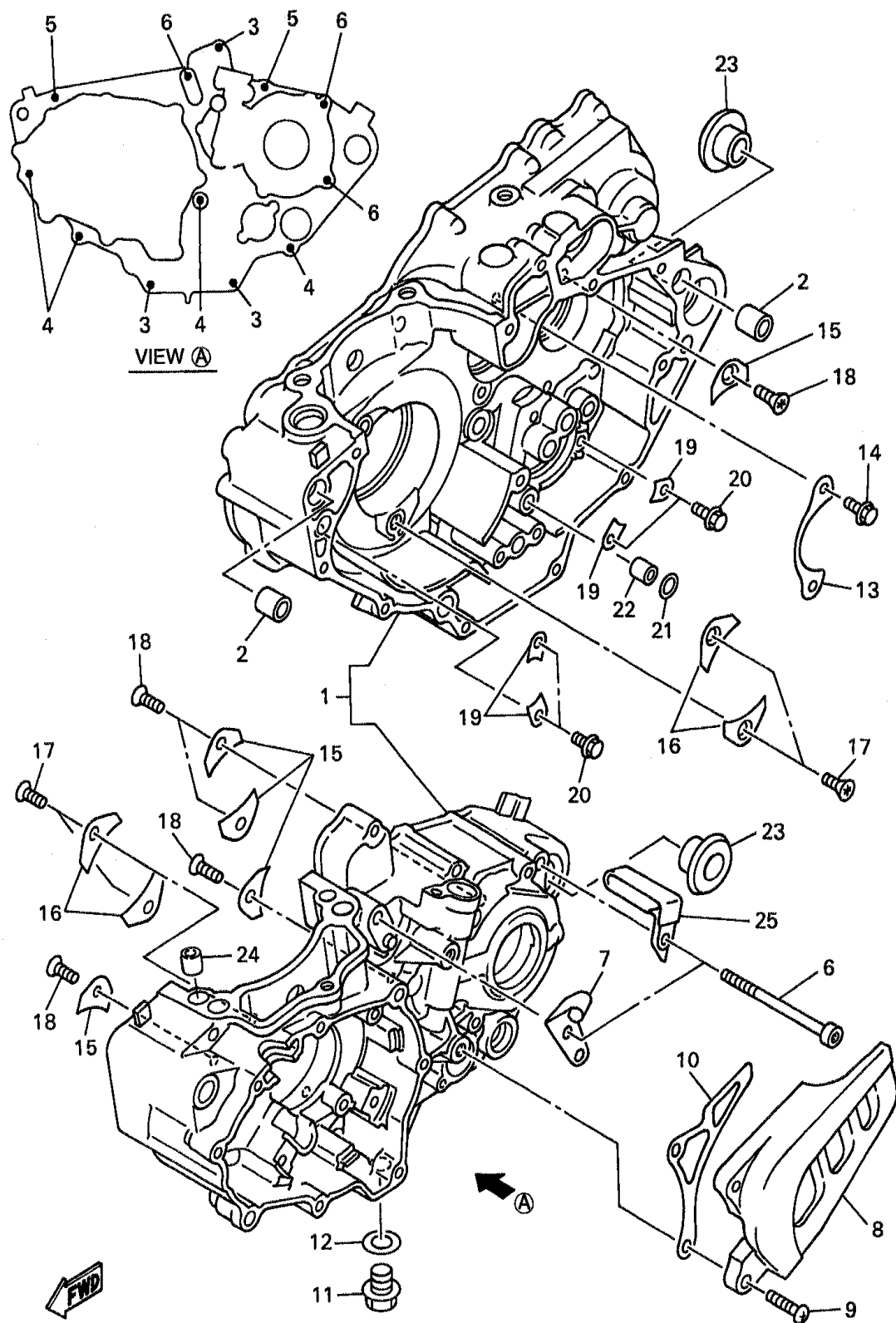


Ref. No.	Part Number	Description	Qty	Remarks
59	5BE-14987-00-00	. HOSE	1	
60	5BE-14937-00-00	. CLIP	2	
61	5BE-14346-00-00	. PLATE	1	
62	5BF-14940-00-00	. DIAPHRAGM ASSEMBLY ...	1	
63	5BF-14933-00-00	. SPRING, DIAPHRAGM	1	
64	5BF-14854-00-00	. U-RING	1	
65	98502-04010-00	. SCREW, PAN HEAD	2	
66	92902-04100-00	. WASHER, SPRING	2	
67	98502-04008-00	. SCREW, PAN HEAD	2	
68	92902-04100-00	. WASHER, SPRING	2	
69	5BF-14871-00-00	. PIPE 1	1	
70	5BF-14872-00-00	. PIPE 2	1	
71	5BF-14873-00-00	. PIPE 3	1	
72	5BF-14937-00-00	. CLIP	1	
73	5BF-14919-00-00	. CLIP	1	
74	5BF-14347-00-00	. JET, AIR SLOW	1	



EXHAUST

Ref. No.	Part Number	Description	Qty	Remarks
1	5BE-14611-00-00	PIPE, EXHAUST 1	1	
2	5BE-14628-00-00	PROTECTOR, EXHAUST PIPE .	1	
3	4BD-14766-00-00	WASHER, PROTECTOR	6	
4	98980-06008-00	SCREW, BIND	3	
5	90206-06090-00	WASHER, WAVE	3	
6	3VD-14613-00-00	GASKET, EXHAUST PIPE	1	
7	91317-08020-00	BOLT	1	
8	5BF-14710-00-00	MUFFLER ASSEMBLY 1	1	
9	95804-06010-00	. BOLT, FLANGE	3	
10	3GW-14714-00-00	. GASKET, MUFFLER	1	
11	22W-24181-00-00	. DAMPER, LOCATING 1	1	
12	95804-06016-00	. BOLT, FLANGE	1	
13	5BE-14788-00-00	BAND, SILENCER	1	
14	95817-08012-00	BOLT, FLANGE	2	

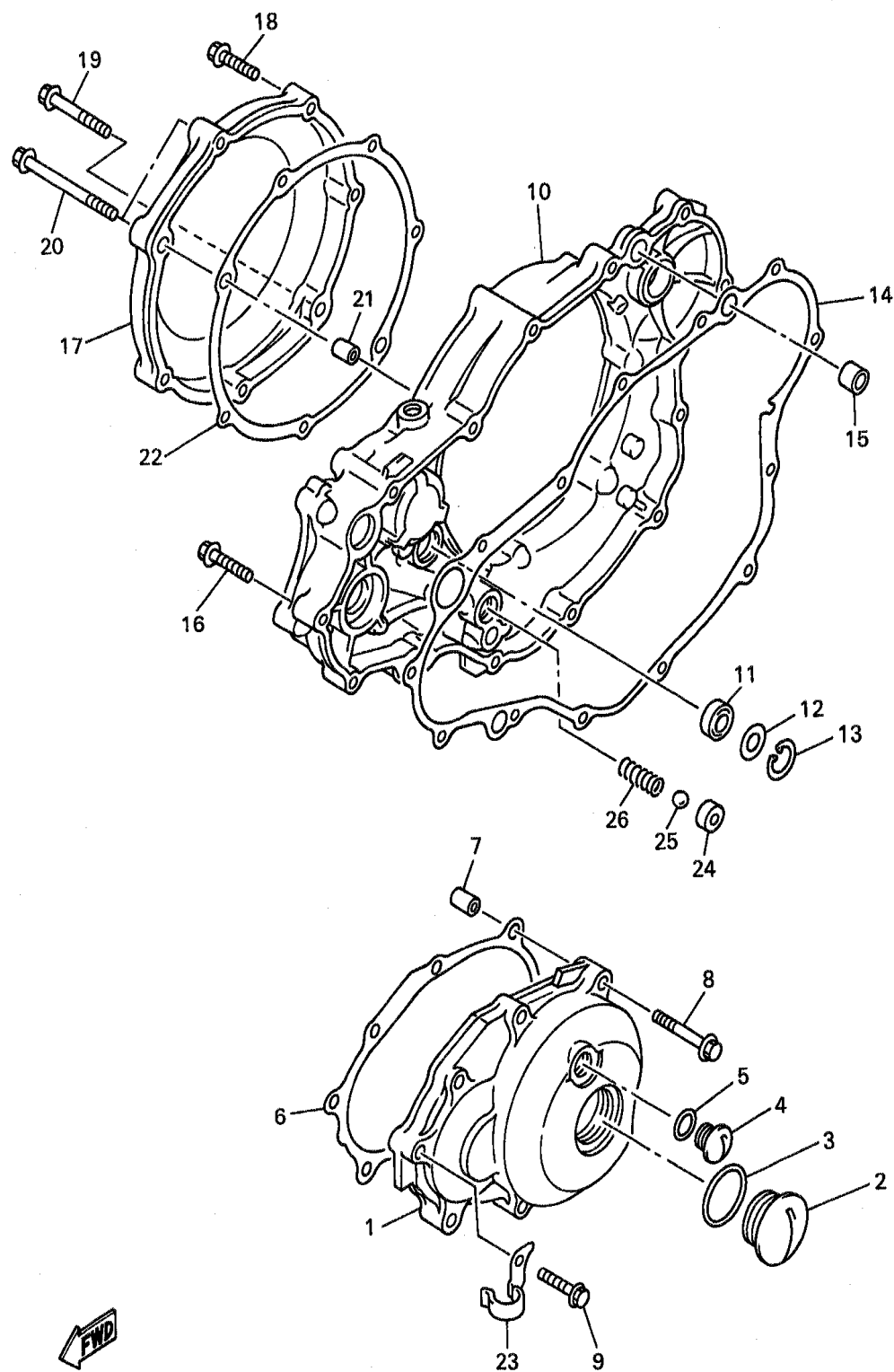


5BE100-8120

CRANKCASE

Ref. No.	Part Number	Description	Qty	Remarks
1	5BE-15150-00-00	CRANKCASE ASSEMBLY	1	
2	99530-14016-00	PIN, DOWEL	2	
3	91317-06040-00	BOLT	3	
4	91317-06050-00	BOLT	4	
5	91317-06060-00	BOLT	2	
6	91317-06075-00	BOLT	3	
7	5BE-15441-00-00	HOLDER, CLUTCH CABLE	1	
8	5BE-15421-00-00	COVER, CRANKCASE 2	1	
9	98507-06025-00	SCREW, PAN HEAD	2	
10	5BE-17466-00-00	GUIDE, CHAIN	1	
11	90340-12059-00	PLUG, STRAIGHT SCREW	1	
12	90430-12213-00	GASKET	1	
13	4L0-17471-00-00	PLATE, COVER	1	
14	90105-06553-00	BOLT, WASHER BASED	2	
15	4JT-15381-01-00	PLATE, BEARING COVER	5	
16	5BE-15383-00-00	PLATE, BEARING COVER	4	
17	90149-06286-00	SCREW	4	
18	90149-06326-00	SCREW	5	
19	5DH-18562-00-00	PLATE, STOPPER 2	4	
20	90105-06553-00	BOLT, WASHER BASED	4	
21	93210-10197-00	O-RING	1	
22	99530-10114-00	PIN, DOWEL	1	
23	90387-1712Y-00	COLLAR	2	
24	99530-10116-00	PIN, DOWEL	2	
25	90461-10136-00	CLAMP	1	

CRANKCASE COVER 1



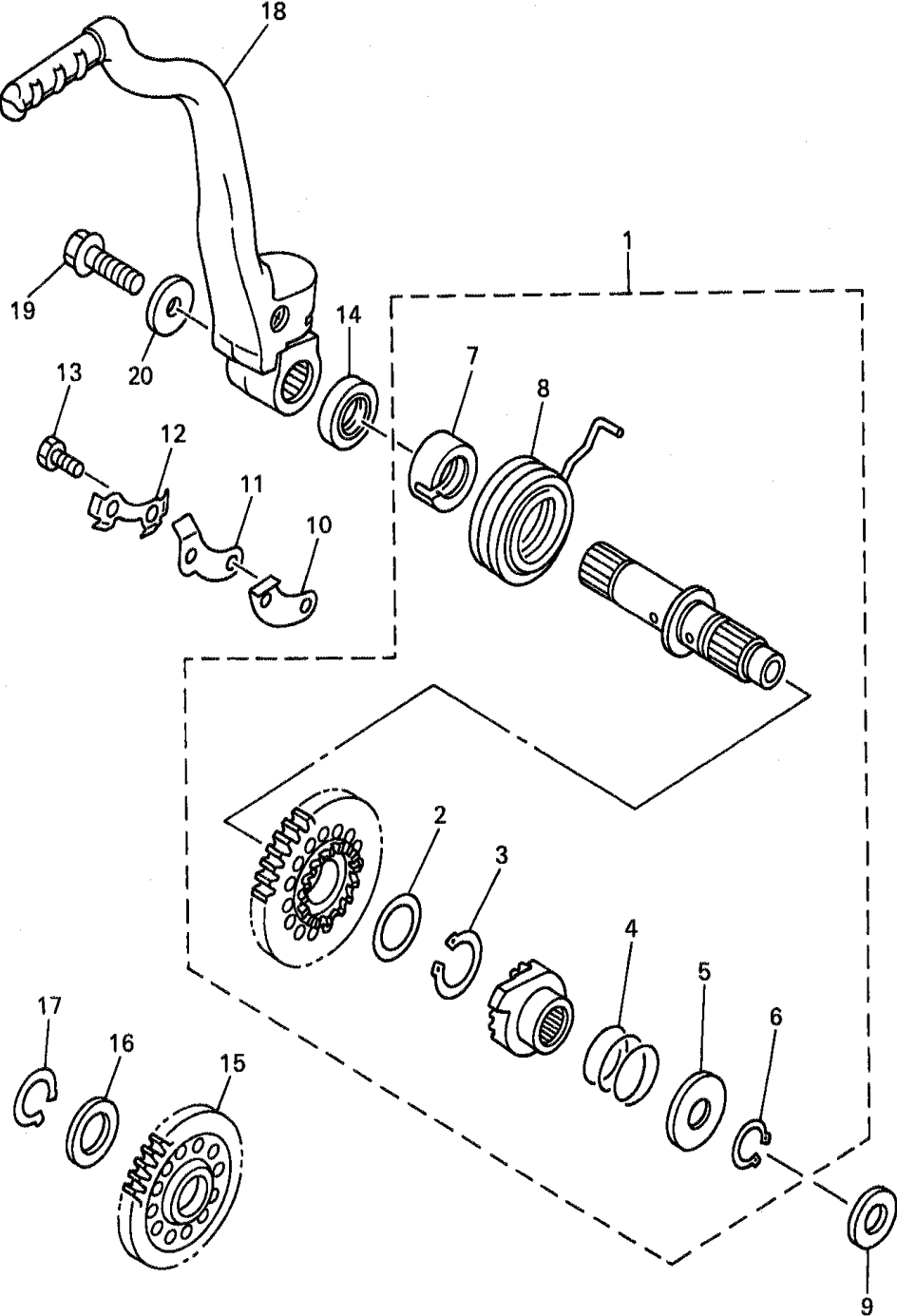
Ref. No.	Part Number	Description	Qty	Remarks
1	5BE-15411-00-00	COVER, CRANKCASE 1	1	
2	90340-32123-00	PLUG, STRAIGHT SCREW	1	
3	93210-32172-00	O-RING	1	
4	90340-14128-00	PLUG, STRAIGHT SCREW	1	
5	93210-14369-00	O-RING	1	
6	5BE-15451-00-00	GASKET, CRANKCASE COVER 1	1	
7	99530-08016-00	PIN, DOWEL	2	
8	95027-06040-00	BOLT, FLANGE	2	
9	95027-06030-00	BOLT, FLANGE	6	
10	5BE-15431-00-00	COVER, CRANKCASE 3	1	
11	93101-14164-00	OIL SEAL	1	
12	90201-15701-00	WASHER, PLATE (1.0T)	1	
13	99009-22500-00	CIRCLIP	1	
14	5BE-15462-00-00	GASKET, CRANKCASE COVER 3	1	
15	91812-16001-00	PIN, DOWEL	2	
16	95027-06030-00	BOLT, FLANGE	10	
17	5BE-15415-00-00	COVER, GENERATOR	1	
18	95027-06030-00	BOLT, FLANGE	4	
19	95027-06040-00	BOLT, FLANGE	1	
20	90105-065A1-00	BOLT, WASHER BASED	2	
21	99530-08016-00	PIN, DOWEL	2	
22	5BE-15453-00-00	GASKET	1	
23	90462-10241-00	CLAMP	1	
24	583-13113-00-00	SEAT, CHECK BALL	1	
25	93503-08007-00	BALL	1	
26	90501-043E0-00	SPRING, COMPRESSION	1	



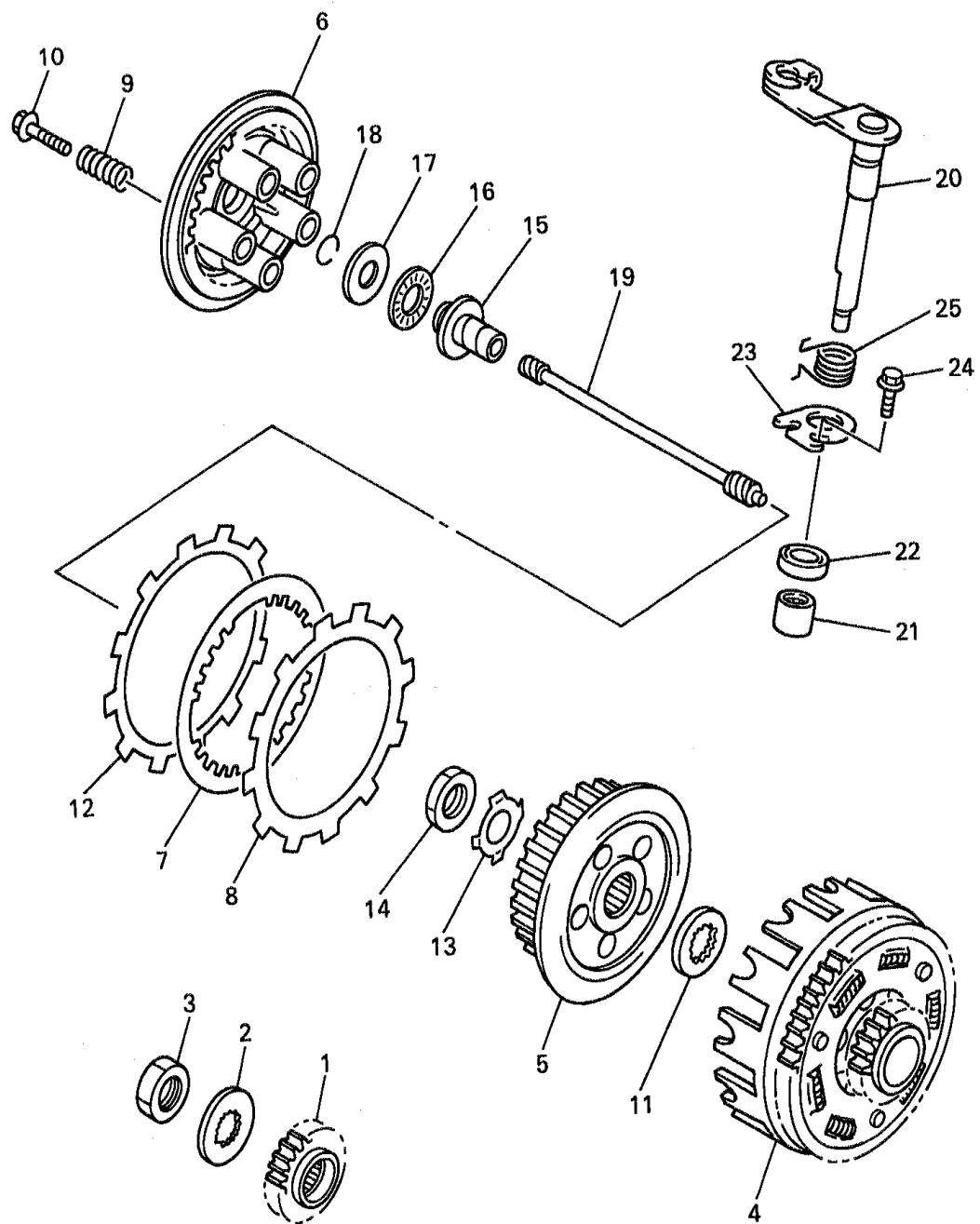
5BE100-8130

STARTER

Ref. No.	Part Number	Description	Qty	Remarks
1	5BE-15601-00-00	KICK SHAFT ASSEMBLY	1	
2	90201-20685-00	. WASHER, PLATE (0.5T)	1	
3	93410-20038-00	. CIRCLIP	1	
4	90501-16107-00	. SPRING, COMPRESSION	1	
5	90201-167P7-00	. WASHER, PLATE	1	
6	99009-16400-00	. CIRCLIP	1	
7	5BE-15664-00-00	. GUIDE, SPRING	1	
8	90508-30743-00	. SPRING, TORSION	1	
9	90201-162H4-00	WASHER, PLATE	1	
10	5BE-15668-00-00	STOPPER	1	
11	5BE-15674-00-00	GUIDE, RATCHET WHEEL	1	
12	5BE-15686-00-00	WASHER, LOCK	1	
13	97027-06016-00	BOLT	2	
14	93102-20108-00	OIL SEAL	1	
15	5BE-15651-00-00	GEAR, KICK IDLE	1	
16	90201-20276-00	WASHER, PLATE (1.0T)	1	
17	99009-20400-00	CIRCLIP	1	
18	5BE-15620-02-00	KICK CRANK ASSEMBLY	1	
19	90105-08752-00	BOLT, WASHER BASED	1	
20	90201-087A9-00	WASHER, PLATE	1	



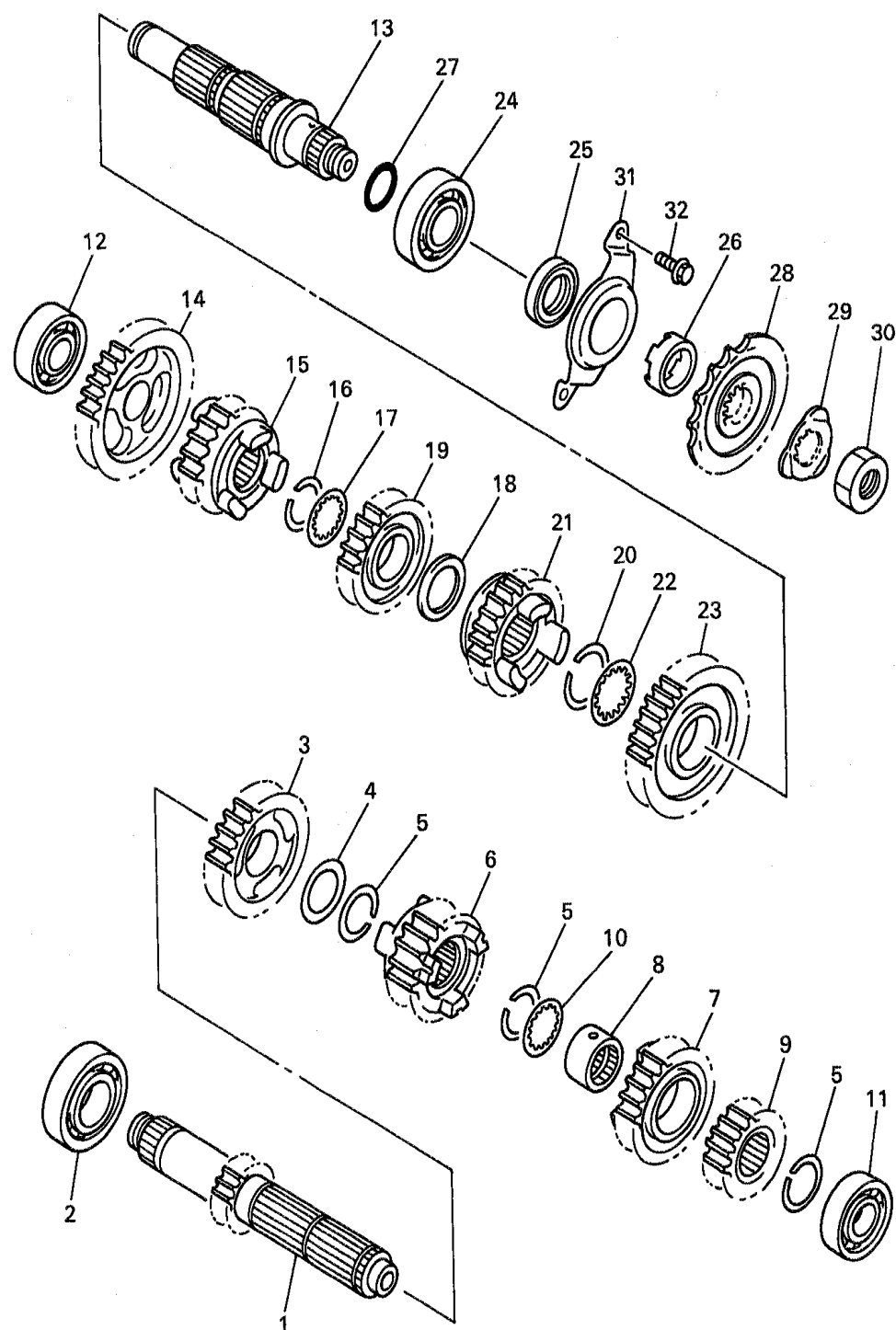
5BE100-8140



5BE100-8150

CLUTCH

Ref. No.	Part Number	Description	Qty	Remarks
1	5BE-16111-00-00	GEAR, PRIMARY DRIVE	1	
2	90215-21290-00	WASHER, LOCK	1	
3	90179-20255-00	NUT	1	
4	5BE-16150-00-00	PRIMARY DRIVEN GEAR COMP.	1	
5	2JN-16371-00-00	BOSS, CLUTCH	1	
6	3YF-16351-00-00	PLATE, PRESSURE 1	1	
7	360-16325-00-00	PLATE, CLUTCH 2	7	
8	5BE-16321-00-00	PLATE, FRICTION	7	
9	90501-23141-00	SPRING, COMPRESSION	5	
10	90159-06092-00	SCREW, WITH WASHER	5	
11	2JN-16154-00-00	PLATE, THRUST 1	1	
12	5BE-16331-00-00	PLATE, FRICTION 2	1	
13	90215-20231-00	WASHER, LOCK	1	
14	90170-20327-00	NUT	1	
15	5BE-16356-00-00	ROD, PUSH 1	1	
16	93340-21505-00	BEARING	1	
17	90201-125L6-00	WASHER, PLATE	1	
18	93440-10085-00	CIRCLIP	1	
19	5BE-16357-00-00	ROD, PUSH 2	1	
20	5BE-16381-00-00	PUSH LEVER COMP.	1	
21	93315-11206-00	BEARING	1	
22	93102-12224-00	OIL SEAL	1	
23	4JT-16384-00-00	PLATE, SEAT	1	
24	95027-06010-00	BOLT, FLANGE	1	
25	90508-142B5-00	SPRING, TORSION	1	



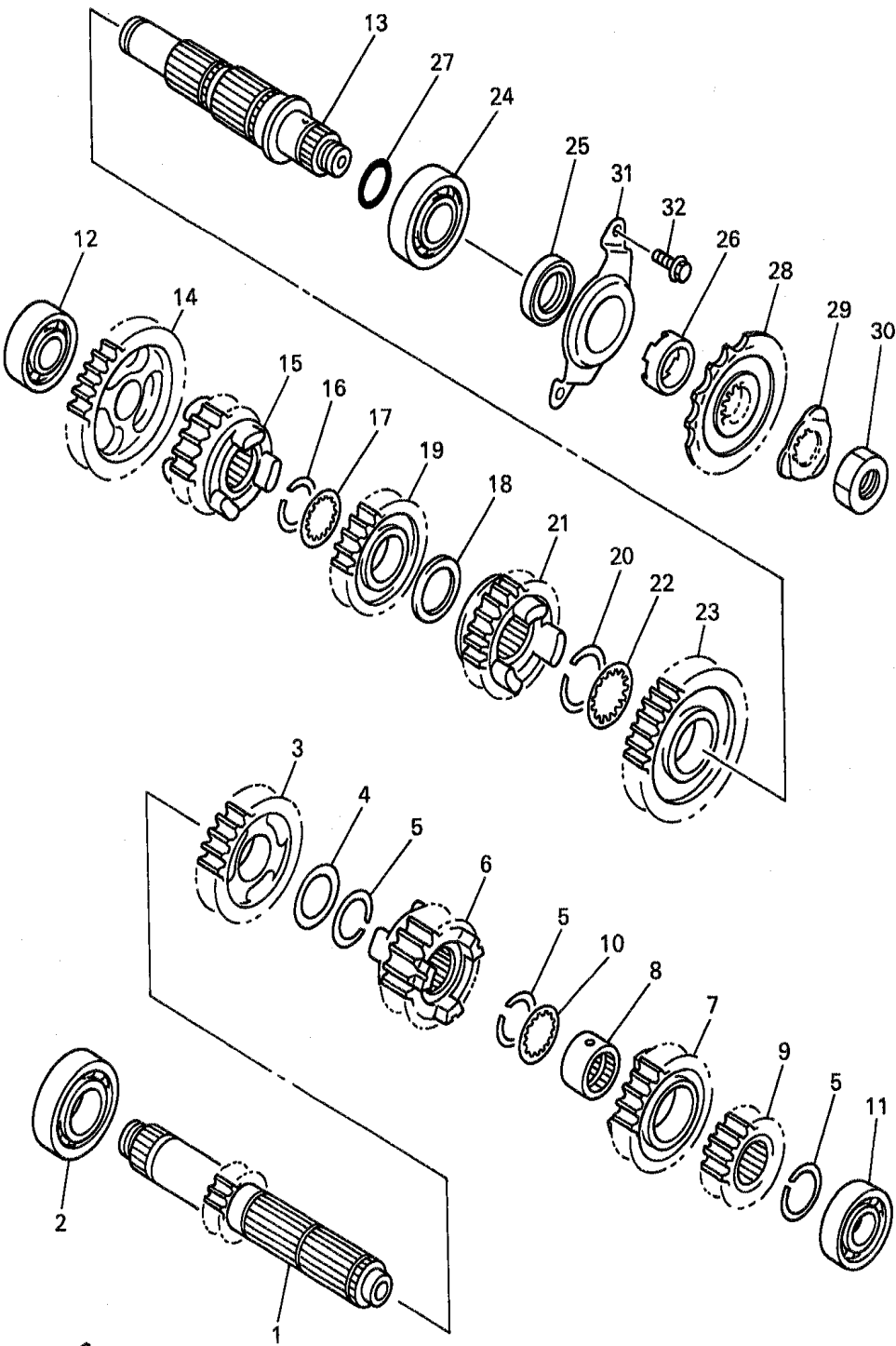
5BE100-8160

TRANSMISSION

Ref. No.	Part Number	Description	Qty	Remarks
1	5BF-17411-00-00	AXLE, MAIN	1	
2	93306-20532-00	BEARING	1	
3	5BF-17151-00-00	GEAR, 5TH PINION	1	
4	90201-253K0-00	WASHER, PLATE (T=1.0)	1	
5	93440-25084-00	CIRCLIP	3	
6	5BF-17131-00-00	GEAR, 3RD PINION	1	
7	5BF-17141-00-00	GEAR, 4TH PINION	1	
8	90387-2113G-00	COLLAR	1	
9	5BF-17121-00-00	GEAR, 2ND PINION	1	
10	90209-21332-00	WASHER	1	
11	93306-00431-00	BEARING	1	
12	93306-00426-00	BEARING	1	
13	5BE-17421-00-00	AXLE, DRIVE	1	
14	5BF-17211-00-00	GEAR, 1ST WHEEL	1	
15	5BF-17251-00-00	GEAR, 5TH WHEEL	1	
16	93440-25084-00	CIRCLIP	1	
17	90209-21332-00	WASHER	1	
18	90201-253K0-00	WASHER, PLATE (T=1.0)	1	
19	5BF-17231-00-00	GEAR, 3RD WHEEL	1	
20	93440-28062-00	CIRCLIP	1	
21	5BF-17241-00-00	GEAR, 4TH WHEEL	1	
22	90209-26348-00	WASHER	1	
23	5BF-17221-00-00	GEAR, 2ND WHEEL	1	
24	93306-20593-00	BEARING	1	
25	93102-32480-00	OIL SEAL	1	
26	90387-2513F-00	COLLAR	1	
27	93210-22298-00	O-RING	1	
28	9383E-14210-00	SPROCKET, DRIVE (14T)	1	
29	90215-21256-00	WASHER, LOCK	1	

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TRANSMISSION



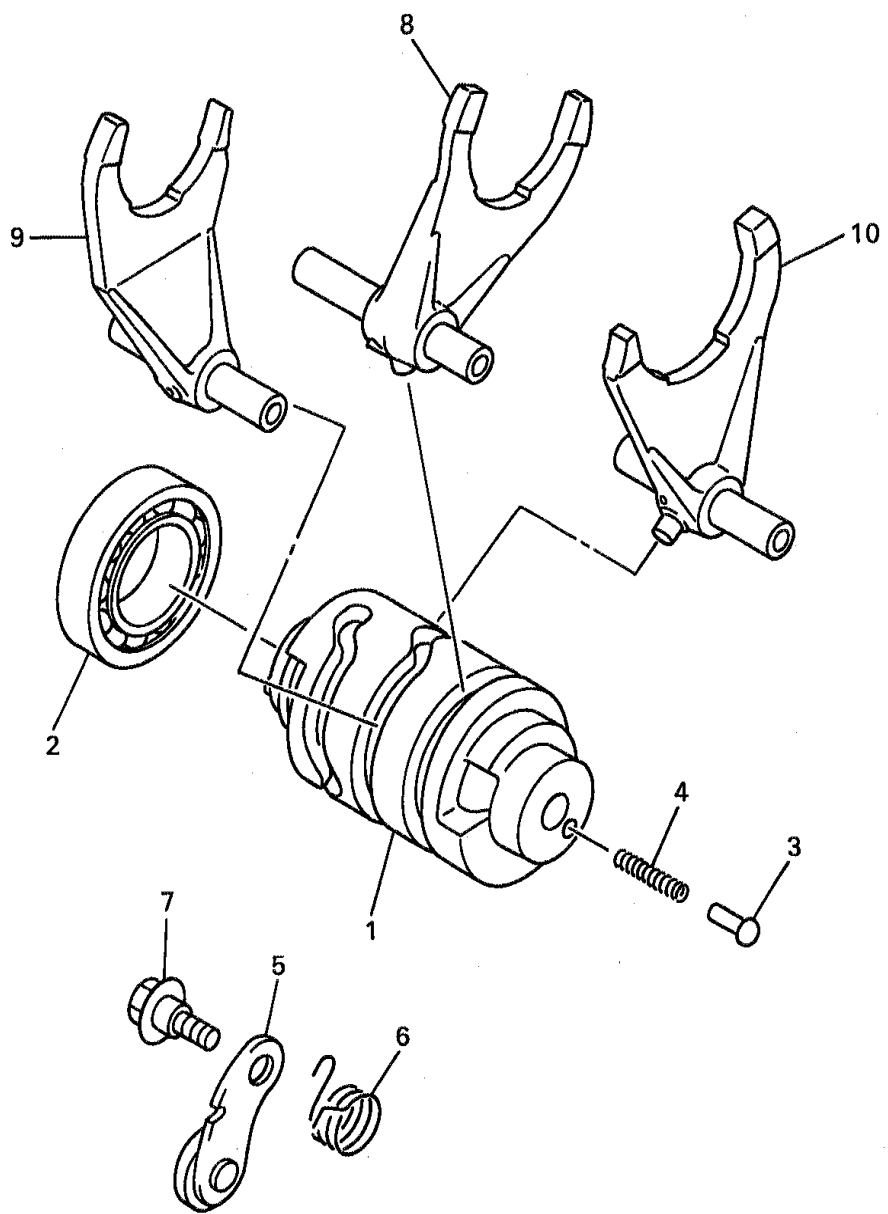
Ref. No.	Part Number	Description	Qty	Remarks
30	90179-20255-00	NUT	1	
31	5BE-17471-00-00	PLATE, COVER	1	
32	90105-06553-00	BOLT, WASHER BASED	2	



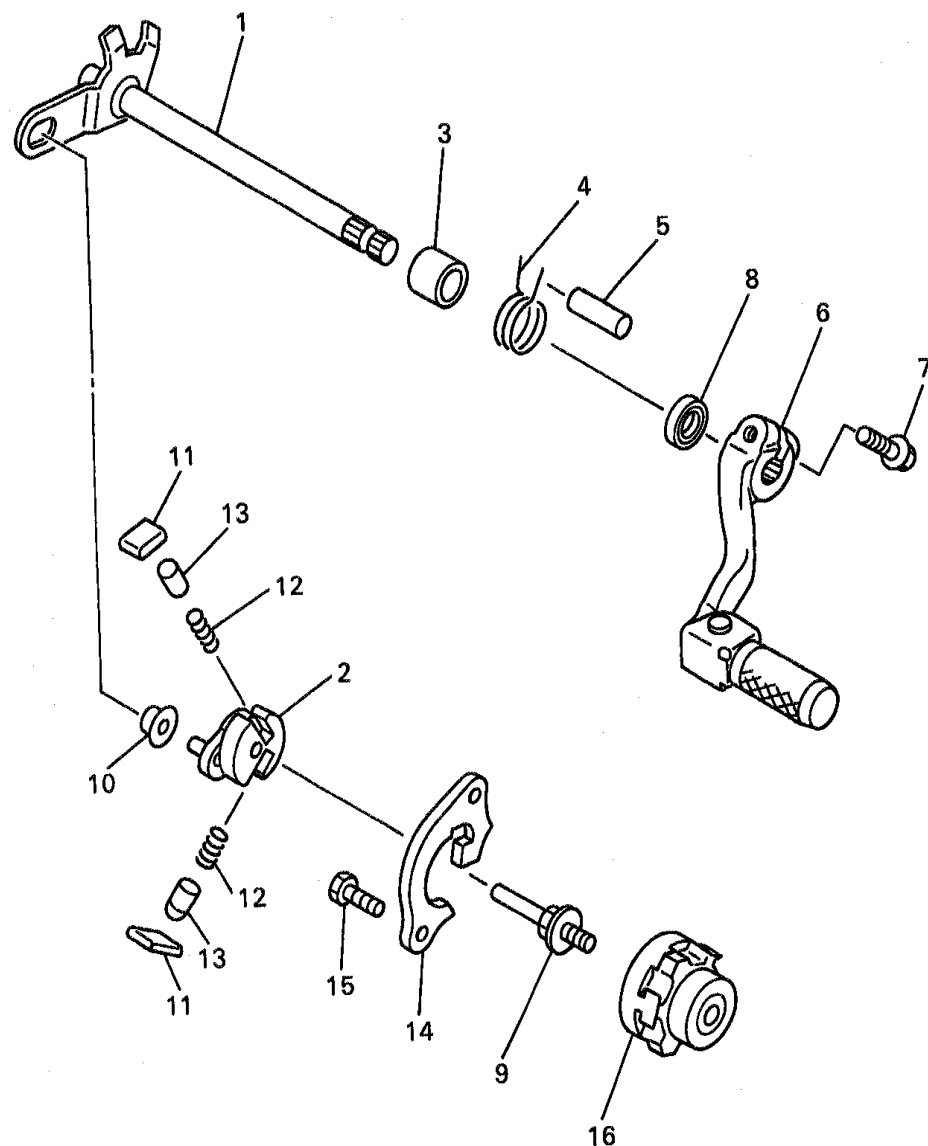
5BE100-8160

SHIFT CAM - SHIFT FORK

Ref. No.	Part Number	Description	Qty	Remarks
1	5BE-18541-00-00	CAM, SHIFT	1	
2	93306-90501-00	BEARING	1	
3	4BA-18542-00-00	POINT, NEUTRAL	1	
4	90501-06022-00	SPRING, COMPRESSION	1	
5	3XK-18140-00-00	STOPPER LEVER ASSEMBLY .	1	
6	90508-26561-00	SPRING, TORSION	1	
7	90109-063F8-00	BOLT	1	
8	5BE-18501-00-00	FORK, SHIFT 1	1	
9	5BE-18502-00-00	FORK, SHIFT 2	1	
10	5BE-18503-00-00	FORK, SHIFT 3	1	



5BE100-8170

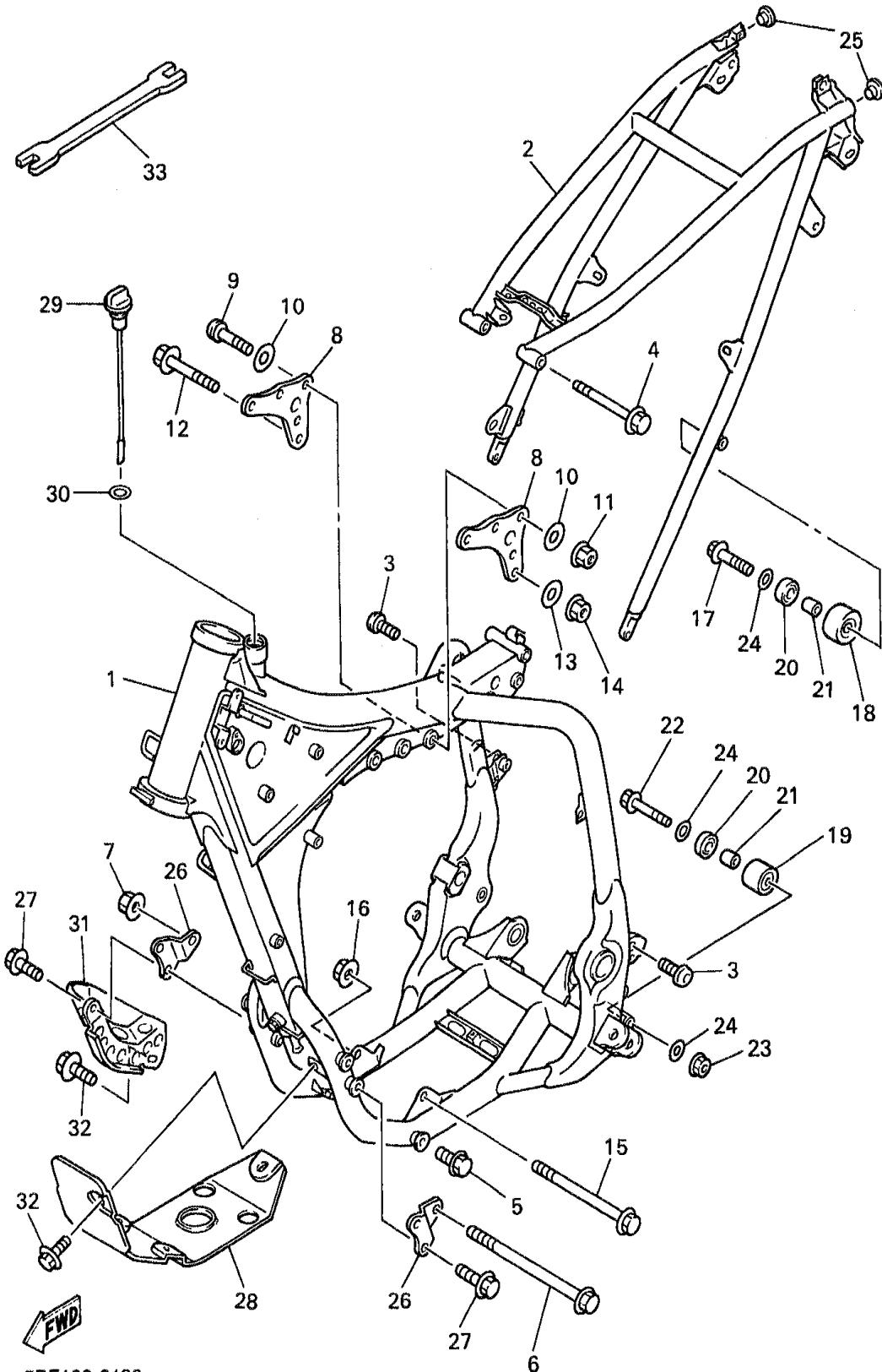


SHIFT SHAFT

Ref. No.	Part Number	Description	Qty	Remarks
1	3XK-18101-02-00	SHIFT SHAFT ASSEMBLY	1	
2	3XK-18122-00-00	LEVER, SHIFT 2	1	
3	90387-124F4-00	COLLAR	1	
4	90508-291A8-00	SPRING, TORSION	1	
5	93608-33046-00	PIN, DOWEL	1	
6	5BE-18110-00-00	SHIFT PEDAL ASSEMBLY	1	
7	95027-06020-00	BOLT, FLANGE	1	
8	93102-12106-00	OIL SEAL (SD 12-22-5 HS)	1	
9	3XJ-18173-00-00	PIN, SHIFT	1	
10	3XJ-18178-00-00	ROLLER, SHIFT LEVER	1	
11	3XJ-18182-00-00	PAWL, SHIFTER	2	
12	90501-052G5-00	SPRING, COMPRESSION	2	
13	3XJ-18184-00-00	PIN, PAWL	2	
14	5BE-18172-00-00	GUIDE, SHIFT	1	
15	90101-06664-00	BOLT	2	
16	4EW-18185-00-00	SEGMENT	1	



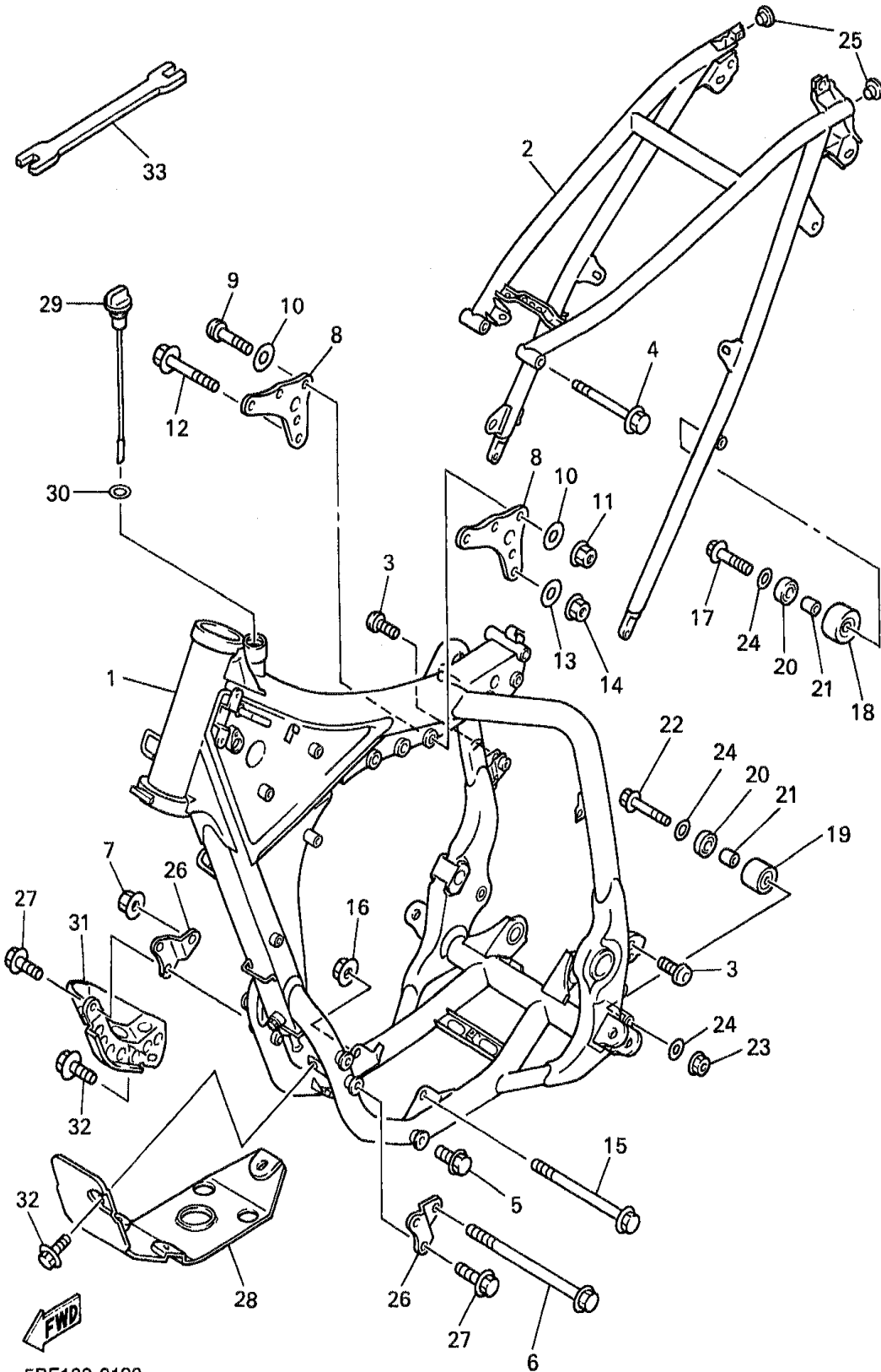
5BE100-8180



FRAME

Ref. No.	Part Number	Description	Qty	Remarks
1	5BF-21101-00-P0	FRONT FRAME COMP.	1	DPBMC
2	5BF-21190-00-P0	REAR FRAME COMP.	1	DPBMC
3	90110-08096-00	BOLT, HEXAGON SOCKET HEAD	2	
4	90105-08099-00	BOLT, WASHER BASED	1	
5	95827-08016-00	BOLT, FLANGE	1	
6	95817-10160-00	BOLT, FLANGE	1	
7	95617-10200-00	NUT, SELF-LOCKING	1	
8	5BE-21425-00-00	BRACKET, REAR UPPER 1 ...	2	
9	92017-08055-00	BOLT, BUTTON HEAD	3	
10	90201-086P8-00	WASHER, PLATE	6	
11	95607-08200-00	NUT, SELF-LOCKING	3	
12	95817-10055-00	BOLT, FLANGE	1	
13	92907-10200-00	WASHER, PLAIN	1	
14	95617-10200-00	NUT, SELF-LOCKING	1	
15	90105-10733-00	BOLT, WASHER BASED	1	
16	95617-10200-00	NUT, SELF-LOCKING	1	
17	95027-08040-00	BOLT, FLANGE	1	
18	3JD-22178-10-00	TENSIONER	1	
19	4EW-22178-00-00	TENSIONER	1	
20	93300-60804-00	BEARING	2	
21	90387-086N4-00	COLLAR	2	
22	95027-08065-00	BOLT, FLANGE	1	
23	95707-08500-00	NUT, FLANGE	1	
24	90201-086P8-00	WASHER, PLATE	3	
25	90338-16148-00	PLUG	2	
26	5BE-21417-00-00	BRACKET, FRONT LOWER 1 .	2	
27	95827-08016-00	BOLT, FLANGE	4	
28	5BE-21471-00-00	PROTECTOR, ENGINE	1	

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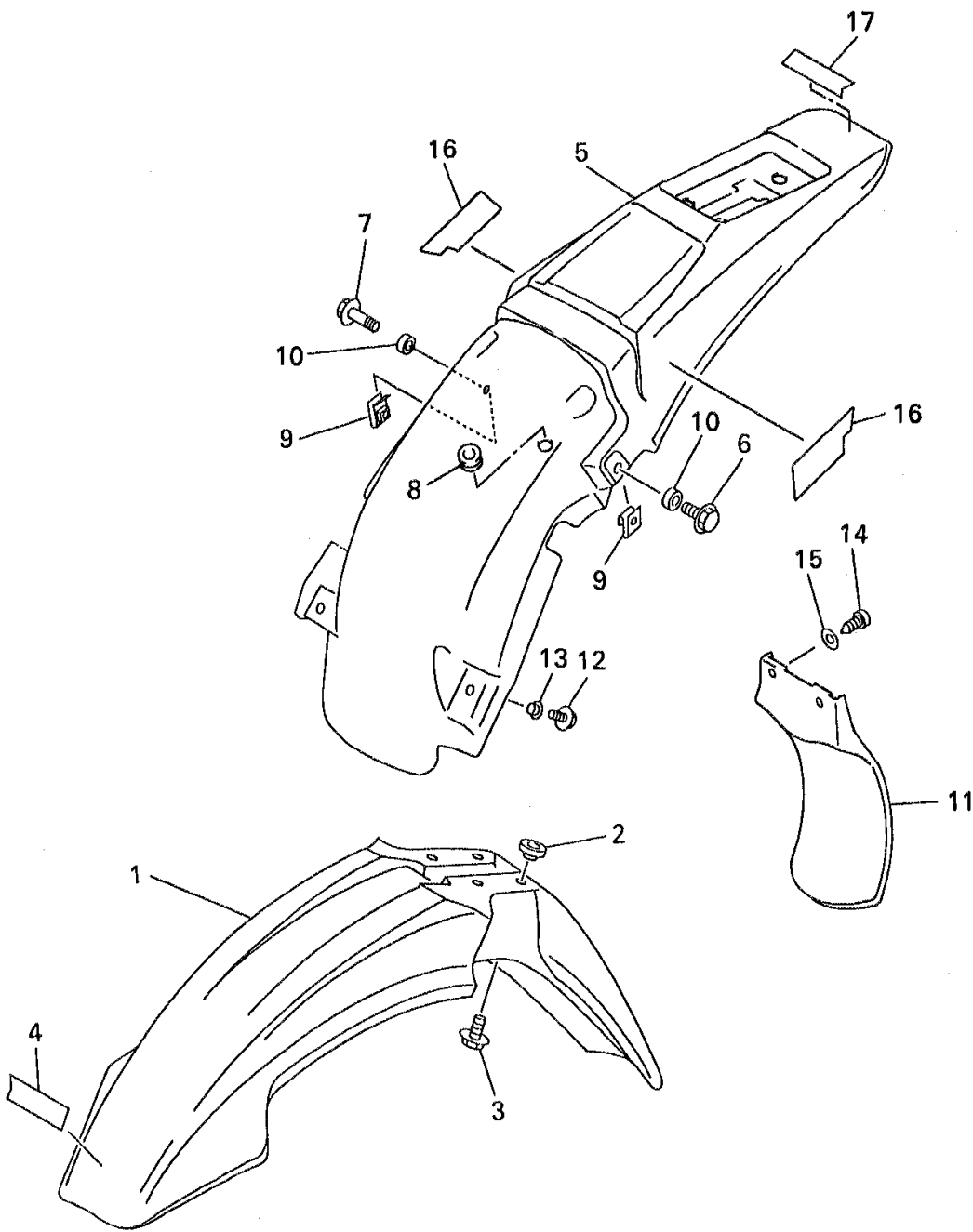


FRAME

Ref. No.	Part Number	Description	Qty	Remarks
29	5BE-15362-00-00	PLUG, OIL LEVEL	1	
30	93210-19123-00	O-RING	1	
31	5BE-2147A-00-00	GUARD, ENGINE 1	1	
32	95027-08012-00	BOLT, FLANGE	5	
33	56A-28166-00-00	WRENCH, HEXAGON	1	

FENDER

Ref. No.	Part Number	Description	Qty	Remarks
1	4DA-21511-20-00	FENDER, FRONT	1	
2	3JD-21748-00-00	COLLAR	4	
3	90119-06096-00	BOLT, WITH WASHER	4	
4	99241-00080-00	EMBLEM, YAMAHA	1	
5	5BF-21611-00-00	FENDER, REAR	1	
6	95027-06012-00	BOLT, FLANGE	1	
7	95027-06025-00	BOLT, FLANGE	1	
8	90480-14323-00	GROMMET	1	
9	90183-06023-00	NUT, SPRING	2	
10	90387-0701A-00	COLLAR	2	
11	5BE-21642-00-00	GUARD, FLAP	1	
12	95027-06014-00	BOLT, FLANGE	2	
13	90387-0600F-00	COLLAR	2	
14	97707-60016-00	SCREW, TAPPING	2	
15	90201-06557-00	WASHER, PLATE	2	
16	5BF-2163G-00-00	EMBLEM 1	2	
17	99241-00080-00	EMBLEM, YAMAHA	1	

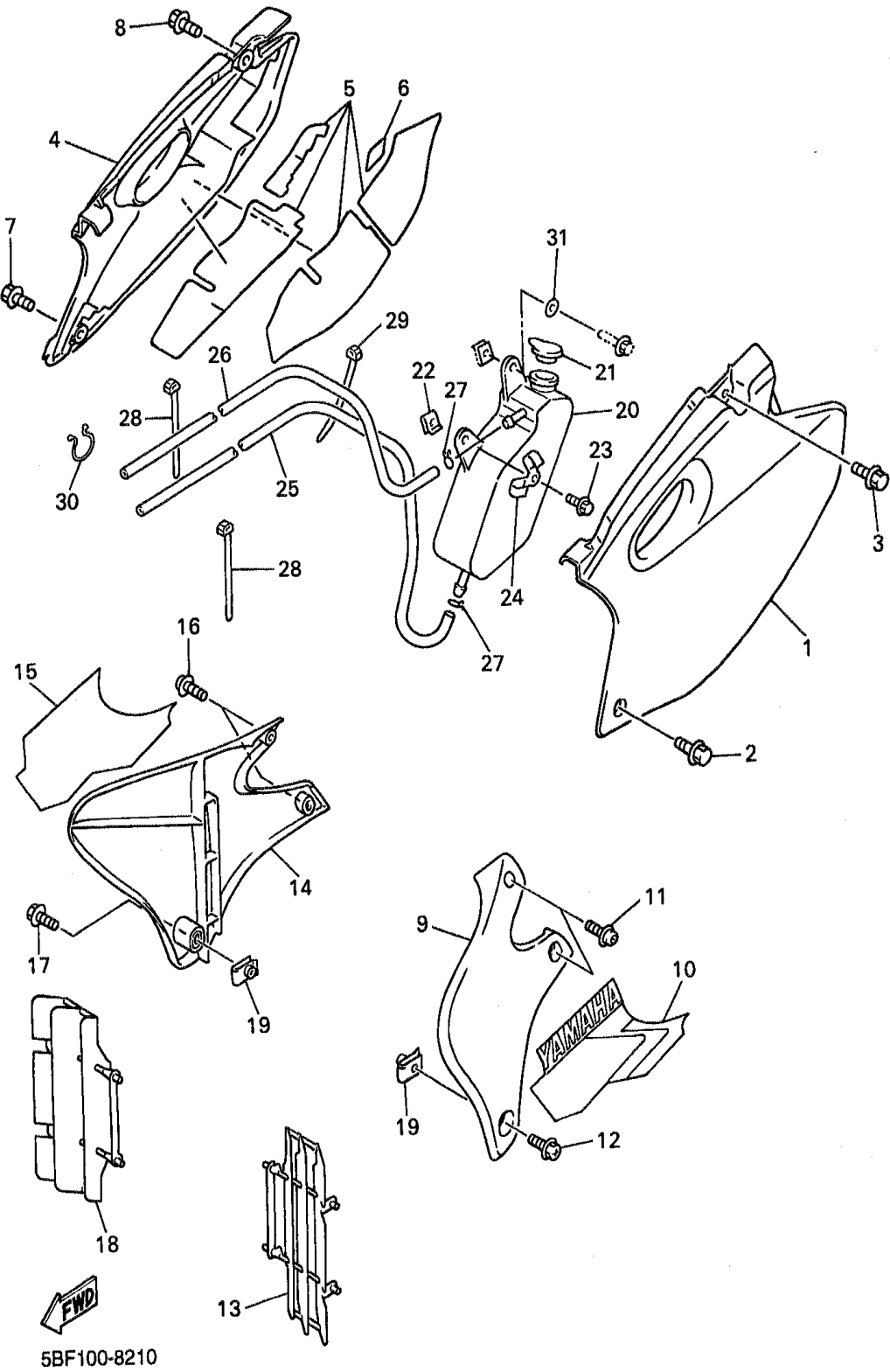


5BF100-8200

SIDE COVER

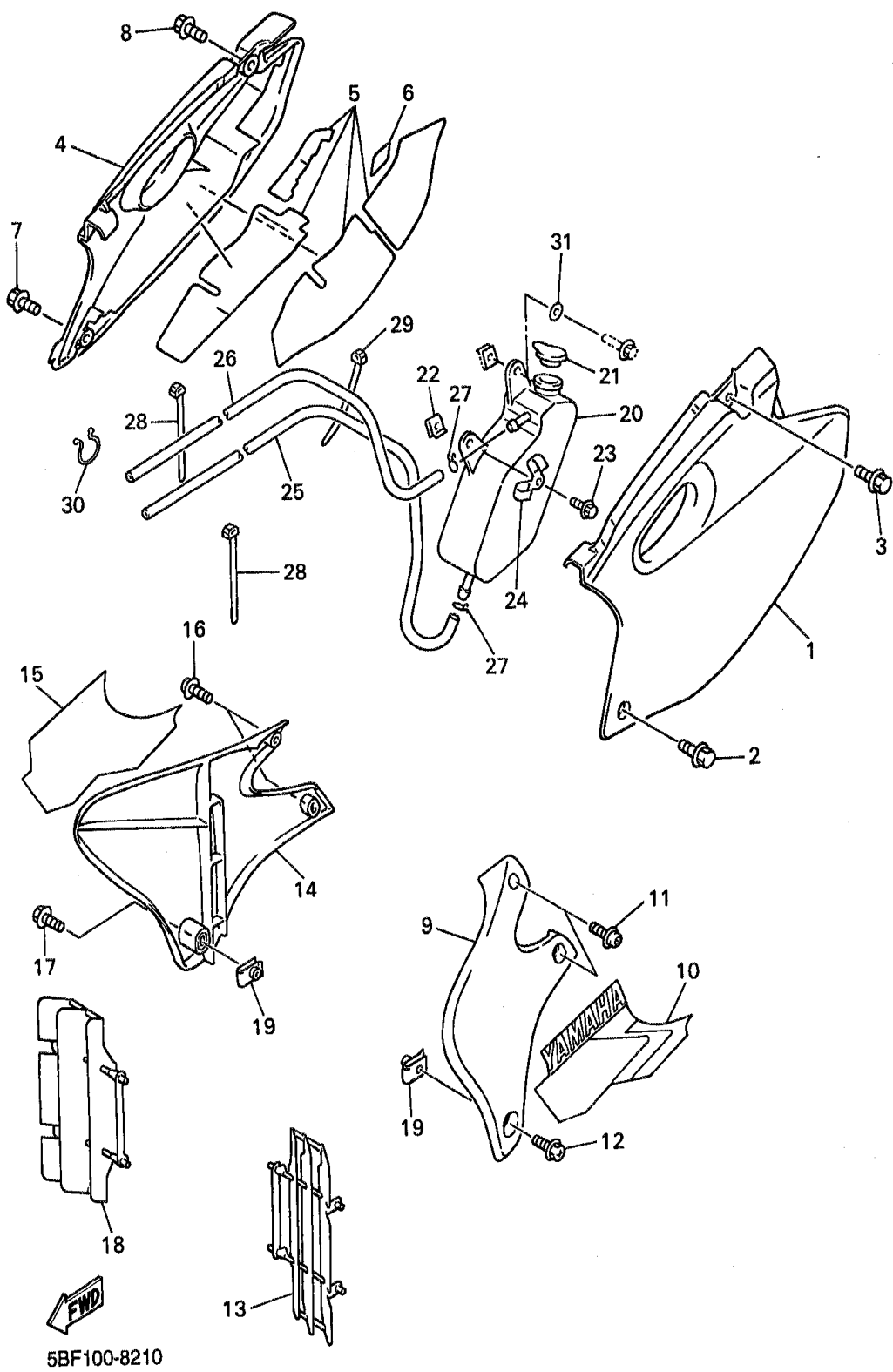
Ref. No.	Part Number	Description	Qty	Remarks
1	5BF-21711-00-00	COVER, SIDE 1	1	
2	95827-06016-00	BOLT, FLANGE	1	
3	90119-08238-00	BOLT, WITH WASHER	1	
4	5BF-21721-00-00	COVER, SIDE 2	1	
5	5BF-2174A-00-00	INSULATOR, SIDE COVER ...	1	
6	3FY-21575-01-00	SEAL 1	1	
7	95827-06016-00	BOLT, FLANGE	1	
8	90119-08238-00	BOLT, WITH WASHER	1	
9	5BE-21731-10-00	COVER, SIDE 3	1	
10	5BF-2173E-00-00	GRAPHIC 1	1	
11	90159-06182-00	SCREW, TAPPING	2	
12	90159-06078-00	SCREW, WITH WASHER	1	
13	5BF-2172A-00-00	PANEL 1	1	
14	5BE-21741-10-00	COVER, SIDE 4	1	
15	5BF-2173F-00-00	GRAPHIC 2	1	
16	90159-06182-00	SCREW, TAPPING	2	
17	90159-06078-00	SCREW, WITH WASHER	1	
18	5BF-2172A-00-00	PANEL 1	1	
19	90183-06069-00	NUT, SPRING	2	
20	3LD-21871-00-00	TANK, RECOVERY	1	
21	10V-21875-00-00	CAP	1	
22	90183-06023-00	NUT, SPRING	1	
23	95027-06016-00	BOLT, FLANGE	1	
24	5BF-21823-00-00	CLAMP, HOSE	1	
25	91A20-05125-00	TUBE, FLEXIBLE VINYL	1	
26	91A21-05105-00	TUBE, FLEXIBLE	1	
27	90467-08017-00	CLIP	3	
28	90464-13077-00	CLAMP	2	
29	90464-13073-00	CLAMP	1	

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SIDE COVER

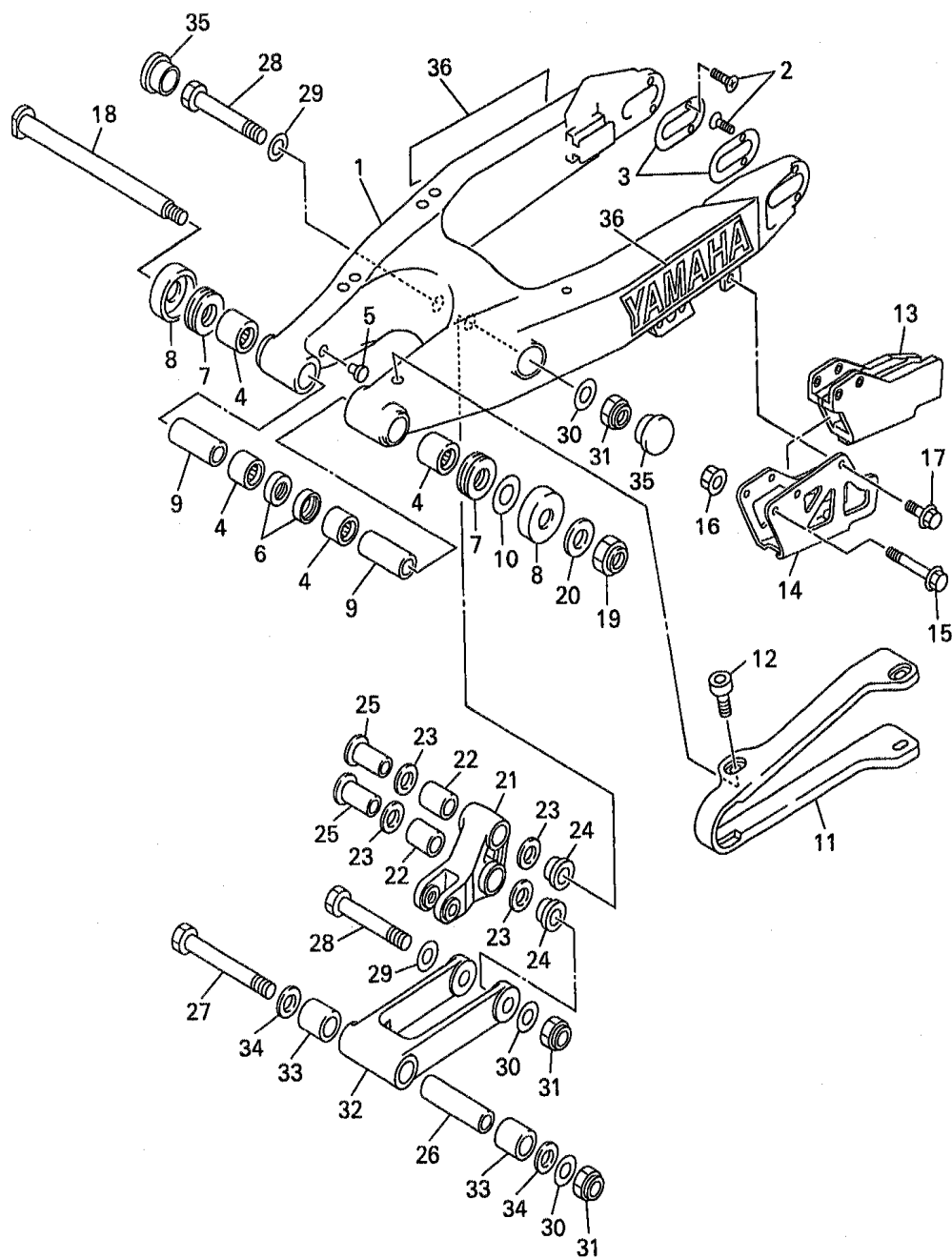
Ref. No.	Part Number	Description	Qty	Remarks
30	90464-16039-00	CLAMP	1	
31	90201-06063-00	WASHER, PLATE	1	



REAR ARM

Ref. No.	Part Number	Description	Qty	Remarks
1	5BE-22110-00-00	REAR ARM COMP.	1	
2	90151-04048-00	SCREW, COUNTERSUNK	4	
3	4SS-22355-00-00	PATCH	2	
4	93317-22262-00	BEARING	4	
5	90338-16148-00	PLUG	2	
6	93106-22019-00	OIL SEAL (DC 22-28-8)	2	
7	93342-22215-00	BEARING	2	
8	5DH-22129-00-00	COVER, THRUST 2	2	
9	90387-1712R-00	COLLAR	2	
10	156-22127-00-00	SHIM (0.3T)	1	UN
11	4EW-22151-20-00	SEAL, GUARD	1	
12	90110-05201-00	BOLT, HEXAGON SOCKET HEAD	4	
13	4XM-22199-00-00	SUPPORT, CHAIN	1	
14	4XM-22128-00-00	COVER, THRUST 1	1	
15	95027-06050-00	BOLT, FLANGE	2	
16	90179-06568-00	NUT	2	
17	95027-06010-00	BOLT, FLANGE	1	
18	5DH-22141-00-00	SHAFT, PIVOT	1	
19	90185-16127-00	NUT, SELF-LOCKING	1	
20	90201-164H4-00	WASHER, PLATE	1	
21	5DH-2217A-00-00	ARM, RELAY	1	
22	93315-32056-00	BEARING	2	
23	93109-20076-00	OIL SEAL	4	
24	90387-164N2-00	COLLAR	2	
25	90387-164N3-00	COLLAR	2	
26	90387-167Y9-00	COLLAR	1	
27	90109-147F2-00	BOLT	1	
28	90109-142F4-00	BOLT	2	

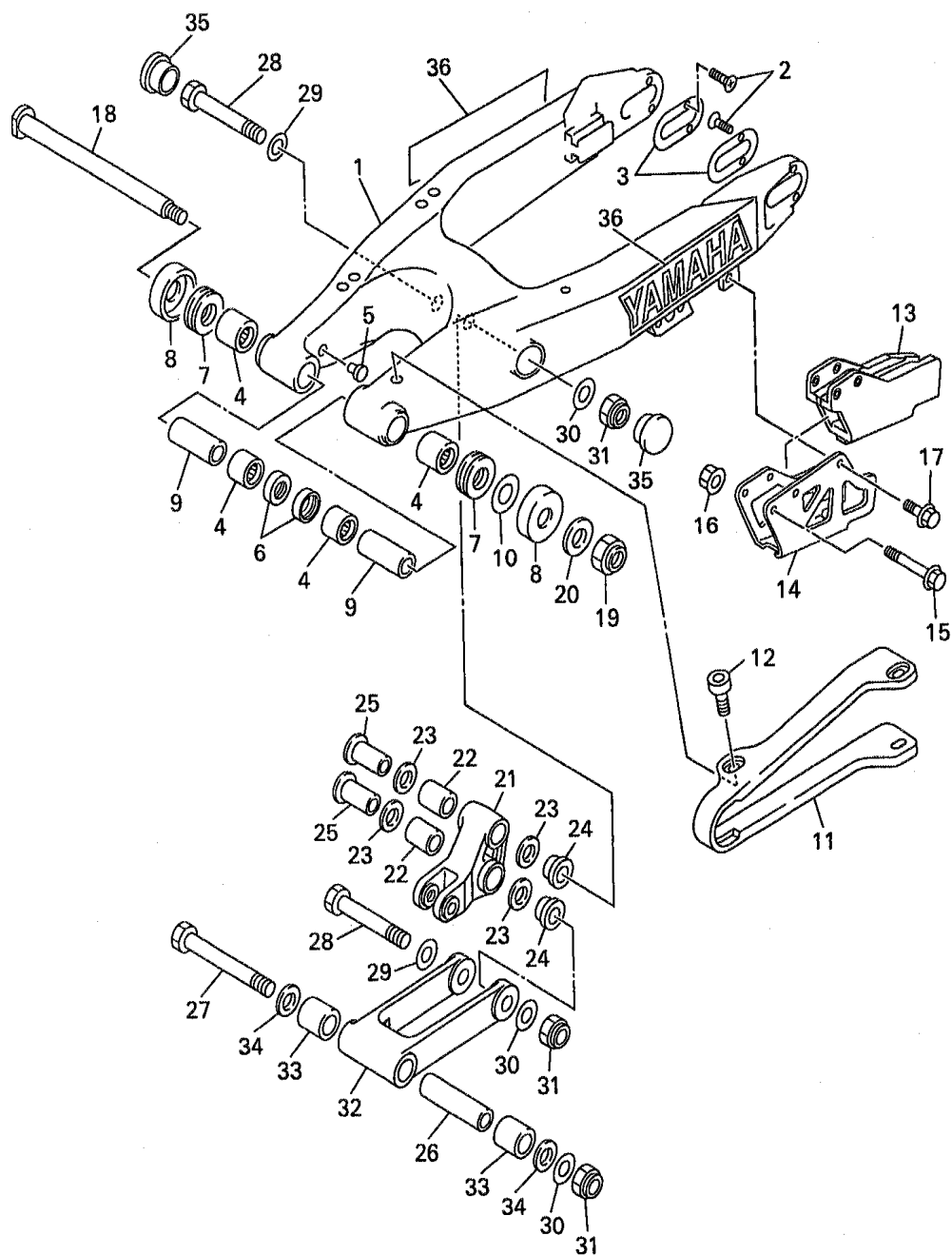
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5BE100-8220

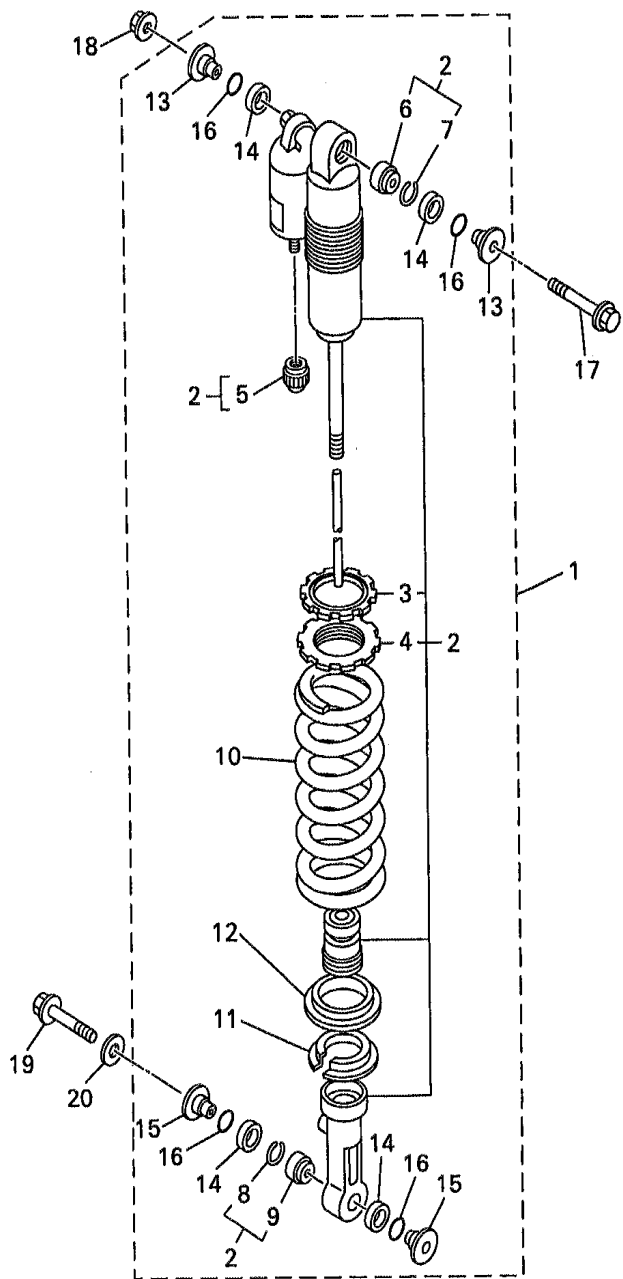
REAR ARM

Ref. No.	Part Number	Description	Qty	Remarks
29	90201-164H4-00	WASHER, PLATE	2	
30	90201-14740-00	WASHER, PLATE	3	
31	90185-14112-00	NUT, SELF-LOCKING	3	
32	5DH-2217F-00-00	ROD, CONNECTING 1	1	
33	93315-32056-00	BEARING	2	
34	93109-20076-00	OIL SEAL	2	
35	1HX-2135F-10-00	COVER	2	
36	99244-00200-00	EMBLEM, YAMAHA	2	



5BE100-8220

REAR SUSPENSION



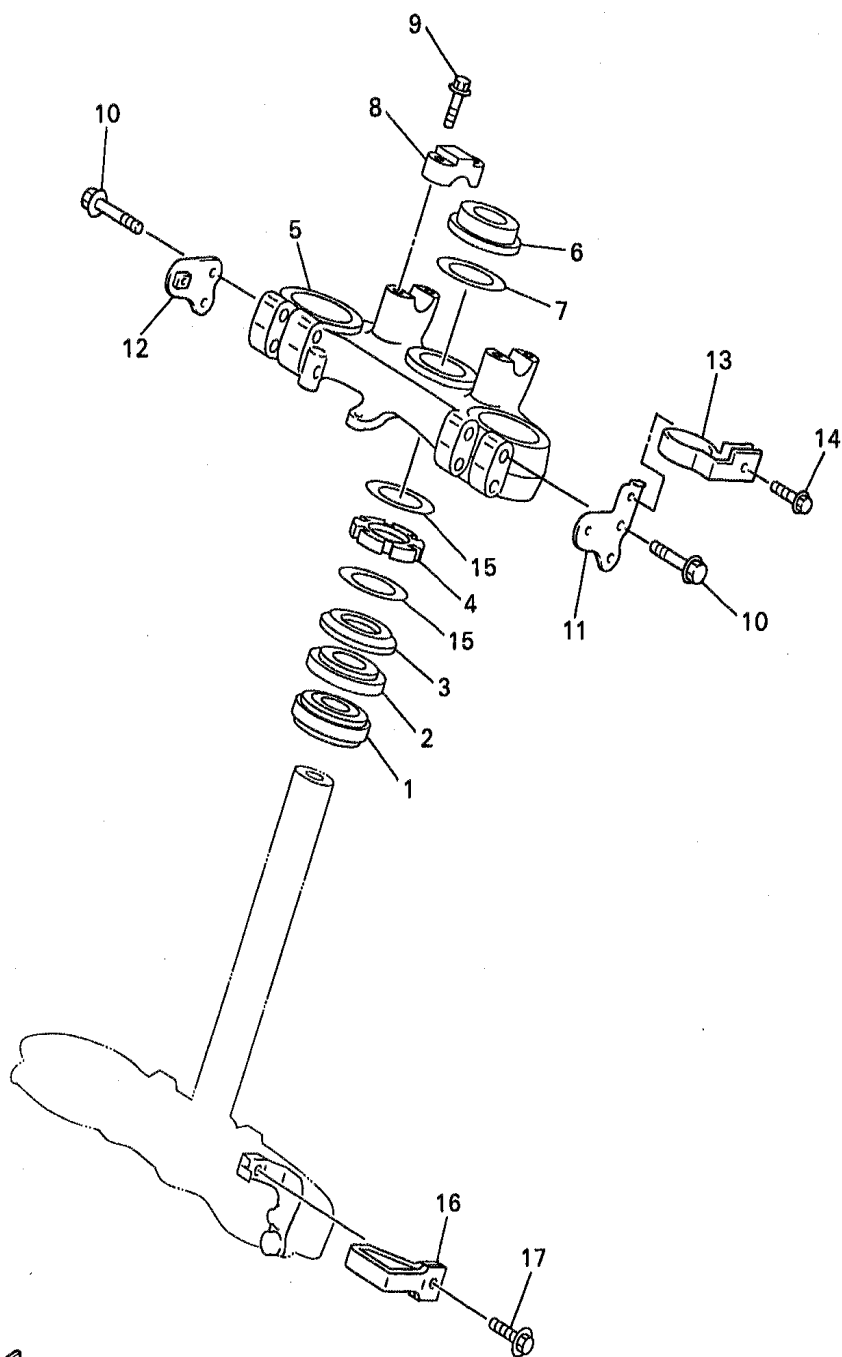
Ref. No.	Part Number	Description	Qty	Remarks
1	5BF-22210-00-00	SHOCK ABSORBER ASSEMBLY, REAR	1	
2	5BF-22201-00-00	. DAMPER SUB ASSEMBLY ..	1	
3	3SP-22234-00-00	.. GUIDE, SPRING 3	1	
4	3SP-22213-00-00	.. SEAT, SPRING UPPER	1	
5	509-23184-L0-00	.. CAP, AIR VALVE	1	
6	4JX-22226-00-00	.. BUSH, SHOCK ABSORBER LOWER	1	
7	5DH-23183-00-00	.. CIRCLIP	1	
8	5DH-23183-00-00	.. CIRCLIP	1	
9	4JX-22226-00-00	.. BUSH, SHOCK ABSORBER LOWER	1	
10	5DH-22212-30-00	. SPRING (K=5.0)	1	
11	5DH-22214-00-00	. GUIDE, SPRING 1	1	
12	5DH-22224-00-00	. GUIDE, SPRING 2	1	
13	5DH-22253-00-00	. COLLAR, DISTANCE	2	
14	3JE-22475-00-00	. SEAL, DUST	4	
15	4EW-22253-00-00	. COLLAR, DISTANCE	2	
16	4EW-22474-00-00	. SEAL, RING	4	
17	90105-10323-00	BOLT, WASHER BASED	1	
18	95617-10200-00	NUT, SELF-LOCKING	1	
19	90105-105A2-00	BOLT, WASHER BASED	1	
20	90201-112U6-00	WASHER, PLATE	1	



5BE100-8230

STEERING

Ref. No.	Part Number	Description	Qty	Remarks
1	93332-00081-00	BEARING	1	
2	93332-00068-00	BEARING	1	
3	4EW-23416-00-00	COVER, BALL RACE 2	1	
4	90179-28650-00	NUT	1	
5	5BF-23435-00-00	CROWN, HANDLE	1	
6	90170-24373-00	NUT	1	
7	90201-247L2-00	WASHER, PLATE	1	
8	3SP-23441-00-00	HOLDER, HANDLE UPPER ...	2	
9	95027-08035-00	BOLT, FLANGE	4	
10	95027-08040-00	BOLT, FLANGE	4	
11	4GY-2831V-00-00	STAY, HEAD LIGHT 1	1	
12	4GY-2832V-00-00	STAY, HEAD LIGHT 2	1	
13	4GY-23389-00-00	GUIDE, CABLE	1	
14	90105-05361-00	BOLT, WASHER BASED	1	
15	90201-286K9-00	WASHER, PLATE	2	
16	4DA-23389-00-00	GUIDE, CABLE	1	
17	90105-05361-00	BOLT, WASHER BASED	1	

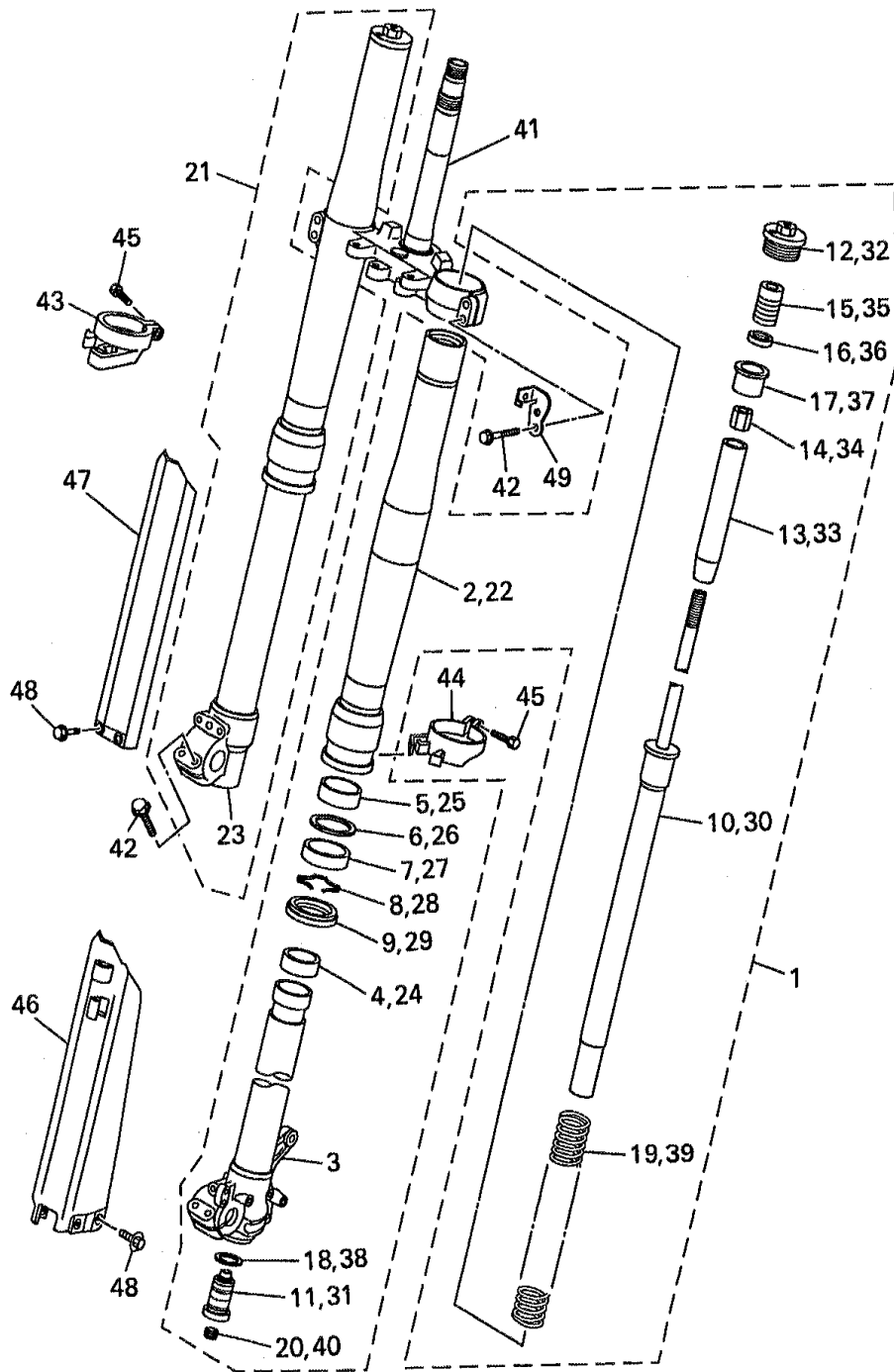


5BF100-8240

FRONT FORK

Ref. No.	Part Number	Description	Qty	Remarks
1	5BF-23102-L0-00	FRONT FORK ASSEMBLY (L.H)	1	
2	5DH-23136-L0-00	. TUBE, OUTER (RIGHT)	1	
3	5DH-23120-L0-00	. INNER TUBE COMP 2	1	
4	4SS-23171-L0-00	. PISTON, FRONT FORK	1	
5	4SS-23125-L0-00	. METAL, SLIDE 1	1	
6	4SS-23146-L0-00	. WASHER, OIL SEAL	1	
7	5DH-23145-L0-00	. OIL SEAL	1	
8	4SS-23153-L0-00	. RING, SNAP	1	
9	4SS-23144-L0-00	. SEAL, DUST	1	
10	5DH-23170-L0-00	. CYLINDER COMP., FRONT FORK	1	
11	5BF-2316A-L0-00	. VALVE COMP.	1	
12	5DH-23111-L0-00	. BOLT, CAP	1	
13	5DH-23142-L0-00	. SEAT, SPRING UPPER	1	
14	5DH-23393-L0-00	. NUT, SPECIAL	1	
15	5DH-23195-L0-00	. RUBBER	1	
16	5DH-23149-L0-00	. WASHER, SPRING UPPER	1	
17	5DH-23118-L0-00	. SPACER	1	
18	4SS-23158-L0-00	. GASKET	1	
19	5BE-23141-L0-00	. SPRING, FRONT FORK (K=0.45)	1	
20	3JD-2312G-L0-00	. PLUG	1	
21	5BF-23103-L0-00	FRONT FORK ASSEMBLY (R.H)	1	
22	5DH-23136-L0-00	. TUBE, OUTER (RIGHT)	1	
23	5BF-23110-L0-00	. INNER TUBE COMP 1	1	
24	4SS-23171-L0-00	. PISTON, FRONT FORK	1	
25	4SS-23125-L0-00	. METAL, SLIDE 1	1	
26	4SS-23146-L0-00	. WASHER, OIL SEAL	1	
27	5DH-23145-L0-00	. OIL SEAL	1	

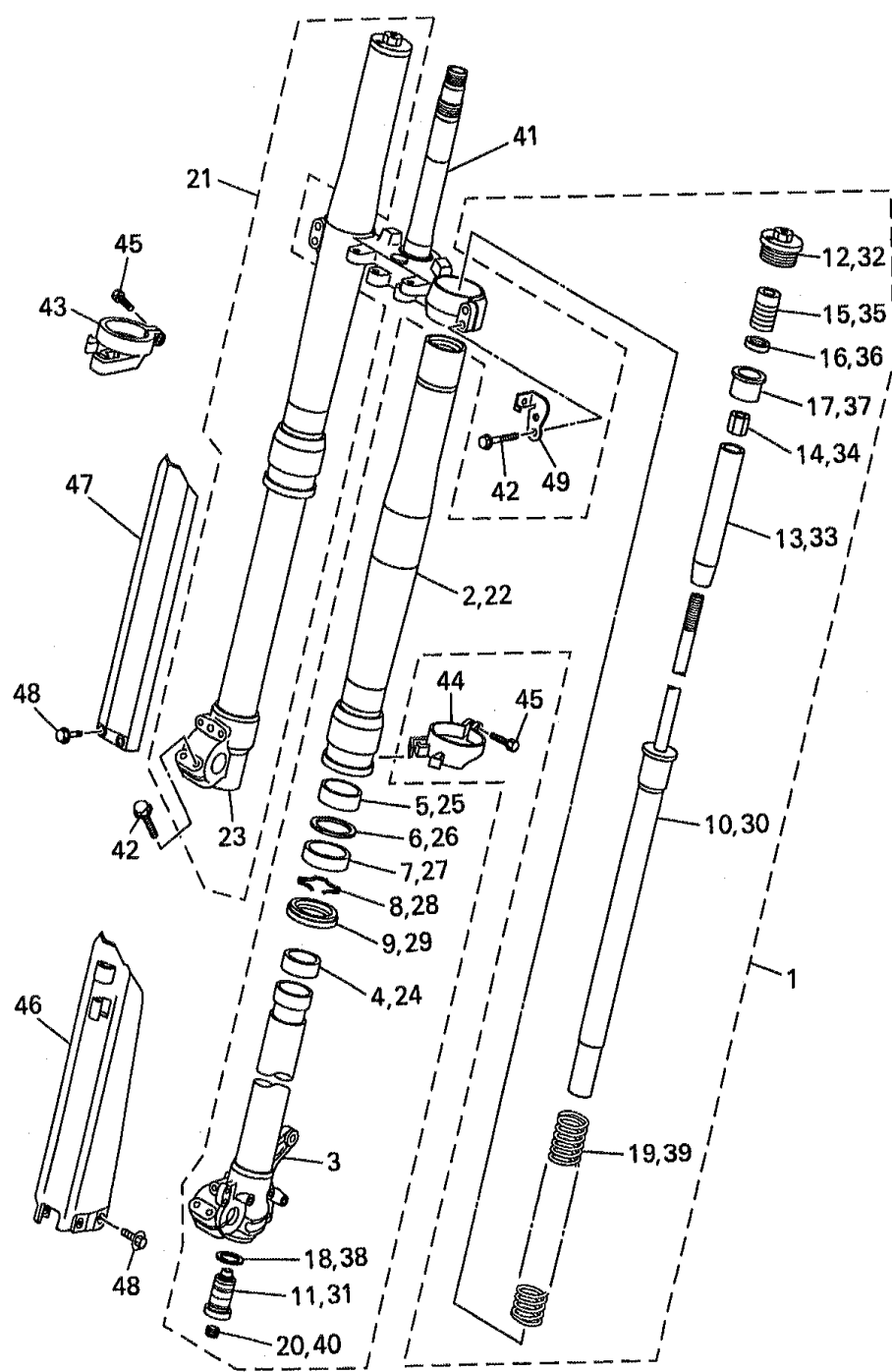
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5BE100-8250

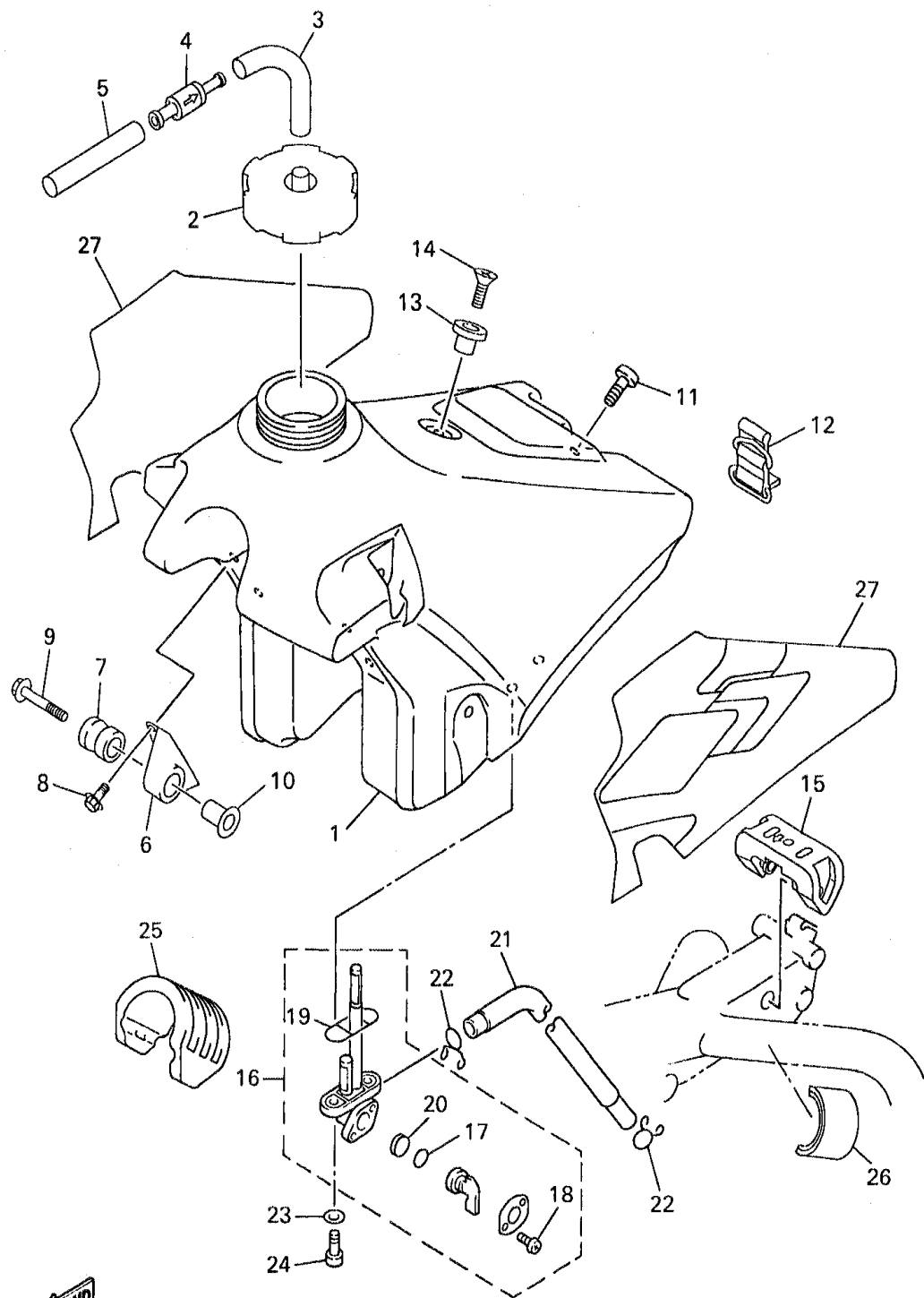
FRONT FORK

Ref. No.	Part Number	Description	Qty	Remarks
28	4SS-23153-L0-00	. RING, SNAP	1	
29	4SS-23144-L0-00	. SEAL, DUST	1	
30	5DH-23170-L0-00	. CYLINDER COMP., FRONT FORK	1	
31	5BF-2316A-L0-00	. VALVE COMP.	1	
32	5DH-23111-L0-00	. BOLT, CAP	1	
33	5DH-23142-L0-00	. SEAT, SPRING UPPER	1	
34	5DH-23393-L0-00	. NUT, SPECIAL	1	
35	5DH-23195-L0-00	. RUBBER	1	
36	5DH-23149-L0-00	. WASHER, SPRING UPPER ..	1	
37	5DH-23118-L0-00	. SPACER	1	
38	4SS-23158-L0-00	. GASKET	1	
39	5BE-23141-L0-00	. SPRING, FRONT FORK (K=0.45)	1	
40	3JD-2312G-L0-00	. PLUG	1	
41	5BF-23340-L0-00	UNDER BRACKET COMP.	1	
42	95021-08040-00	BOLT, FLANGE	8	
43	4SS-2314G-L0-00	PROTECTOR GUIDE COMP., 2	1	
44	5DH-2314F-L0-00	PROTECTOR GUIDE COMP., 1	1	
45	4SS-23346-L0-00	BOLT 1	2	
46	5BF-2314J-00-00	PROTECTOR COMP., 2	1	
47	5DH-2314H-00-00	PROTECTOR COMP., 1	1	
48	3SP-23356-L0-00	BOLT 2	6	
49	4EW-2331E-L0-00	GUIDE, CABLE	1	




5BE100-8250

FUEL TANK

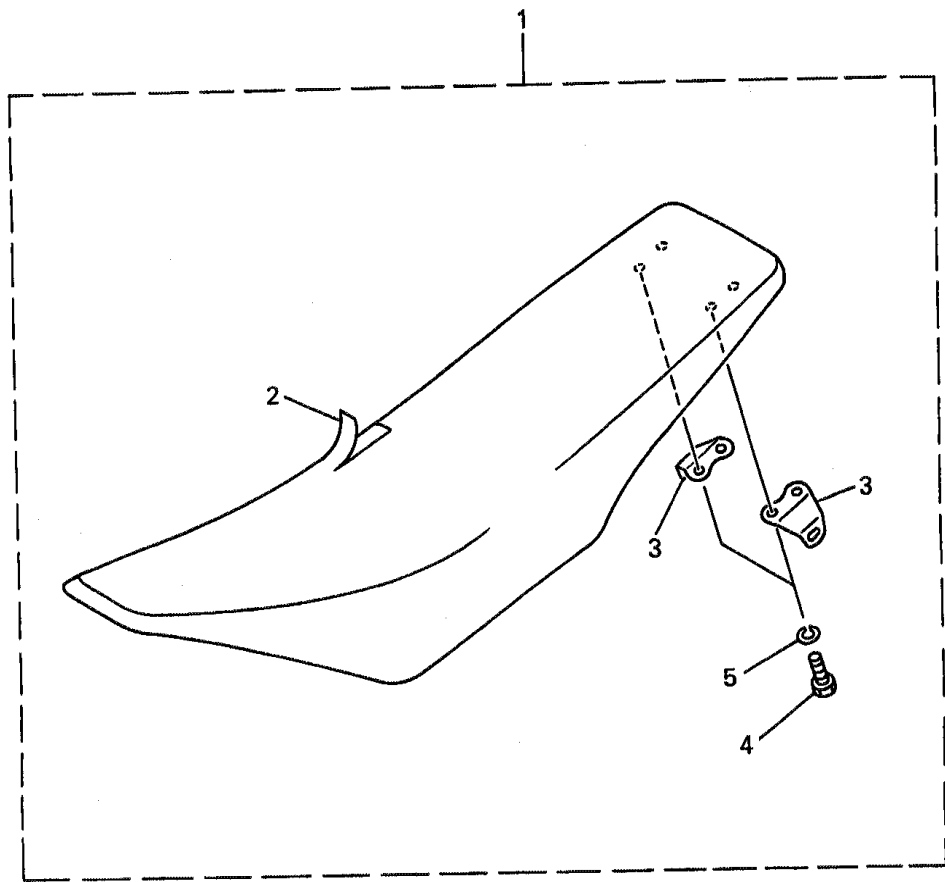


5BF100-8260

Ref. No.	Part Number	Description	Qty	Remarks
1	5BF-24110-00-00	FUEL TANK COMP.	1	
2	1UY-24610-00-00	CAP ASSEMBLY	1	
3	90445-09220-00	HOSE	1	
4	3XJ-24380-00-00	PIPE JOINT ASSEMBLY	1	
5	90445-09100-00	HOSE	1	
6	24X-24144-00-00	HOLDER, DAMPER	2	
7	90480-18549-00	GROMMET	2	
8	95027-06016-00	BOLT, FLANGE	4	
9	90119-06214-00	BOLT, WITH WASHER	2	
10	3JD-24186-00-00	WASHER, SPECIAL	2	
11	98907-06020-00	SCREW, BIND	1	
12	3SP-24173-00-00	BAND, TANK FITTING 1	1	
13	4EW-2412F-00-00	BRACKET, SEAT	1	
14	98707-06025-00	SCREW, FLAT HEAD	1	
15	4SS-24181-00-00	DAMPER, LOCATING 1	1	
16	4AA-24500-00-00	FUEL COCK ASSEMBLY 1 ...	1	
17	3AJ-24534-00-00	. SEAL, COCK	1	
18	97801-03008-00	. SCREW, PAN HEAD	2	
19	4X8-24512-00-00	. O-RING	1	
20	3AJ-24523-00-00	. VALVE PACKING	1	
21	90445-114K8-00	HOSE	1	
22	90467-10008-00	CLIP	2	
23	90202-05193-00	WASHER, PLATE	2	
24	90149-06011-00	SCREW	2	
25	5BE-24182-00-00	DAMPER, LOCATING 2	1	
26	3V6-22358-00-00	SEAL 1	2	
27	5BF-24240-00-00	GRAPHIC SET	1	

SEAT

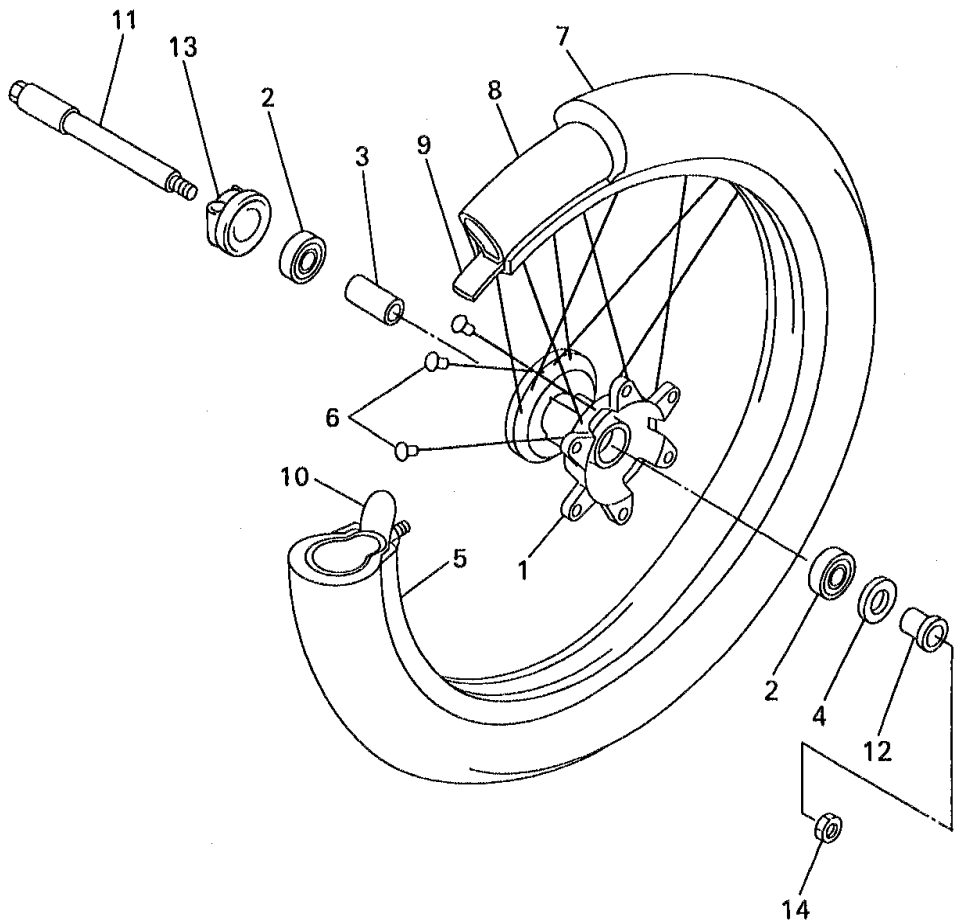
Ref. No.	Part Number	Description	Qty	Remarks
1	5BF-24710-00-00	SINGLE SEAT ASSEMBLY ...	1	
2	5BF-24731-00-00	. COVER, SEAT	1	
3	5BE-24728-00-00	. BRACKET, SEAT	2	
4	97007-06012-00	. BOLT	4	
5	92907-06100-00	. WASHER, SPRING	4	



5BE100-8270

FRONT WHEEL

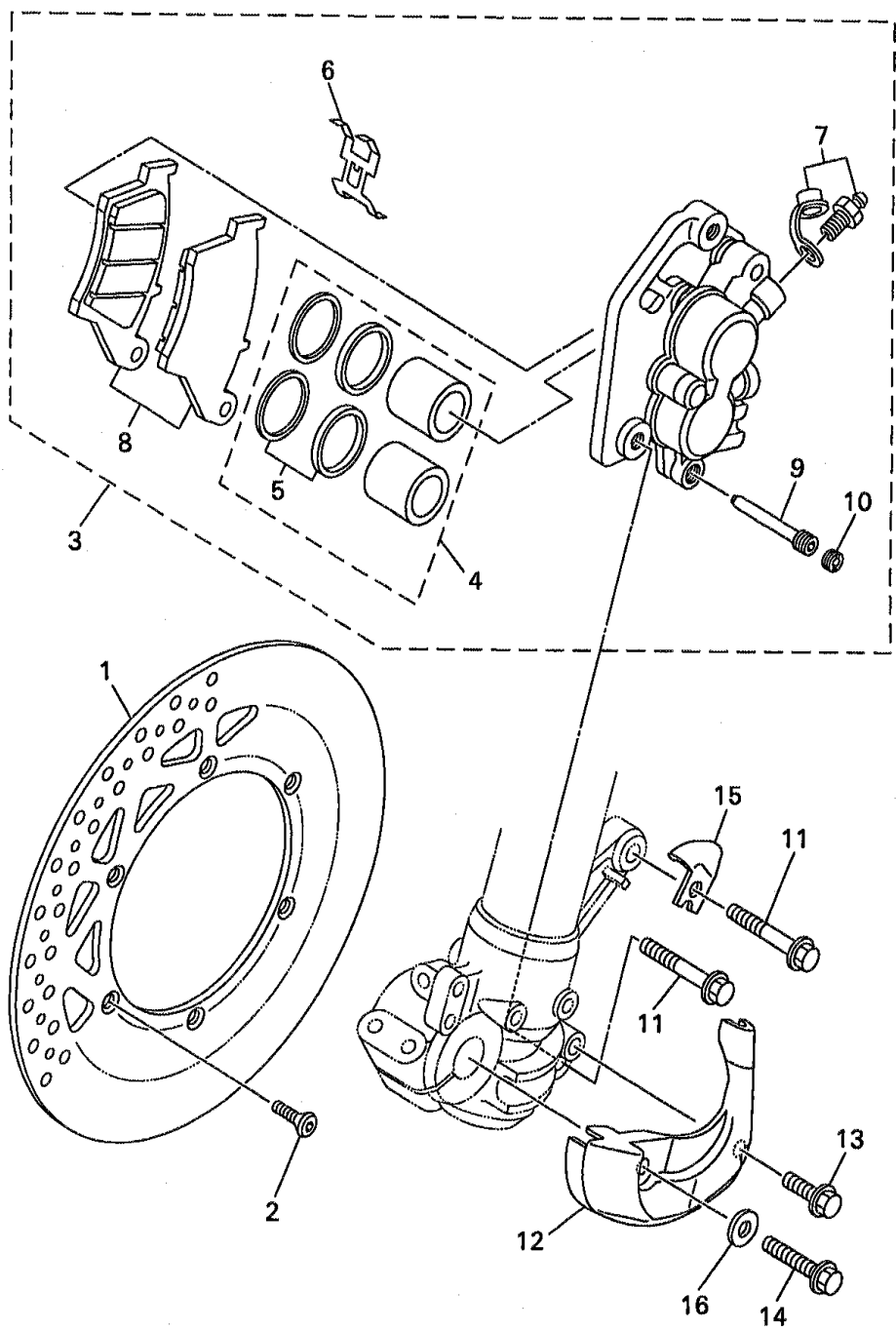
Ref. No.	Part Number	Description	Qty	Remarks
1	5BF-25111-00-00	HUB, FRONT	1	
2	93306-90403-00	BEARING	2	
3	5DH-25117-00-00	SPACER, BEARING	1	
4	93102-26468-00	OIL SEAL	1	
5	94416-21509-00	RIM (1.60-21)	1	
6	4DA-25104-00-00	SPOKE SET, FRONT	1	
7	94108-217X2-00	TIRE (80/100-21 K490)	1	DUNLOP
8	94227-21101-00	TUBE (80/100-21 TR4 BTL) ...	1	DUNLOP
9	94307-21145-00	BAND, RIM (70-80/100-21)	1	DUNLOP
10	2J5-25394-01-00	SPACER, BEAD	1	
11	5BE-25181-00-00	AXLE, WHEEL	1	
12	5DH-25183-00-00	COLLAR, WHEEL	1	
13	5BF-25190-00-00	GEAR UNIT ASSEMBLY	1	
14	90179-16672-00	NUT	1	



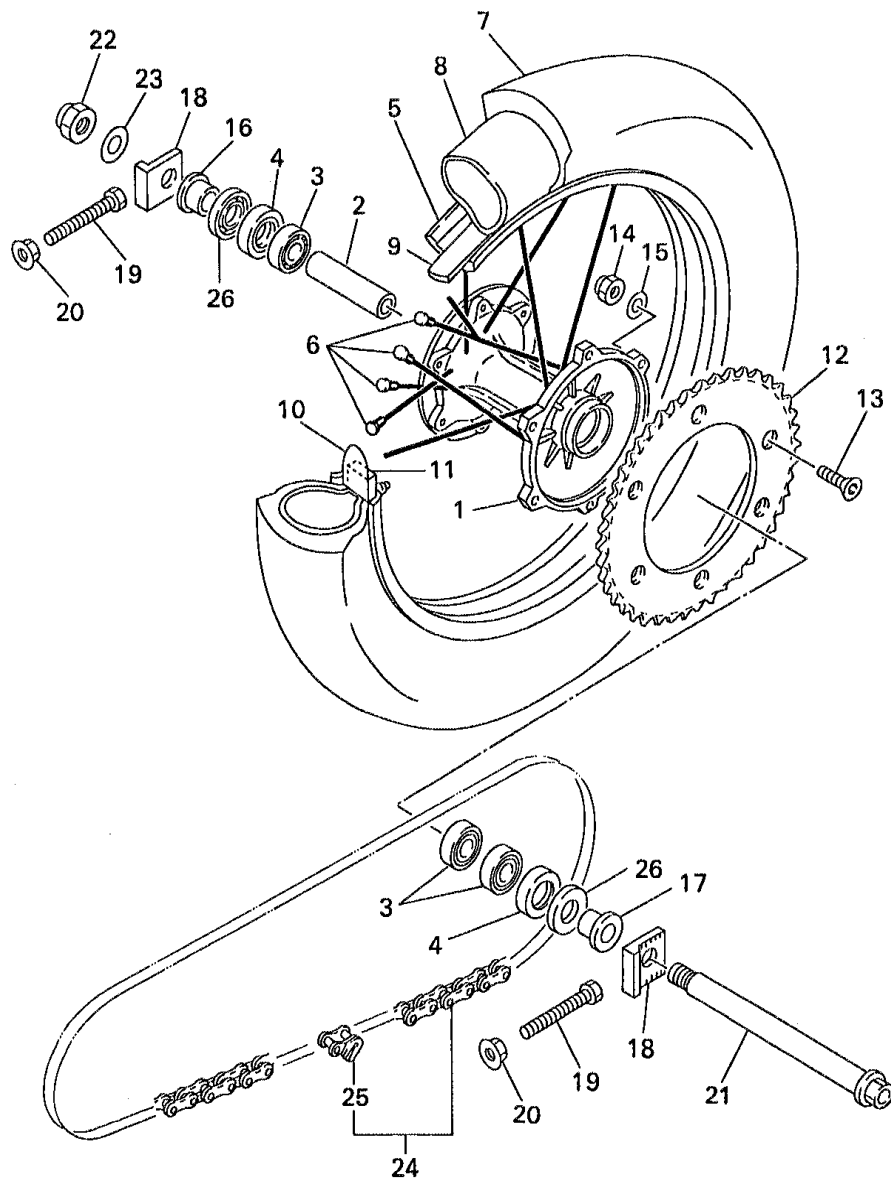
5BF100-8280

FRONT BRAKE CALIPER

Ref. No.	Part Number	Description	Qty	Remarks
1	4XM-2582T-00-00	DISC, BRAKE	1	
2	90149-06327-00	SCREW	6	
3	5DH-2580T-00-00	CALIPER ASSEMBLY (LEFT) ..	1	
4	4EW-W0057-00-00	. PISTON ASSEMBLY, CALIPER	1	
5	3JD-W0047-00-00	.. CALIPER SEAL KIT	1	
6	5DH-25919-00-00	. SUPPORT, PAD	1	
7	1UY-W0048-50-00	. BLEED SCREW KIT	1	
8	5DH-W0045-00-00	. BRAKE PAD KIT	1	
9	5DH-25933-00-00	. PIN, PAD	1	
10	5DH-25916-00-00	. PLUG	1	
11	90105-08659-00	BOLT, WASHER BASED	2	
12	5DH-2314E-00-00	COVER, HOSE	1	
13	95827-06012-00	BOLT, FLANGE	1	
14	95027-08020-00	BOLT, FLANGE	1	
15	5DH-25875-00-00	HOLDER, BRAKE HOSE 1	1	
16	92907-08200-00	WASHER	1	



5BE100-8290



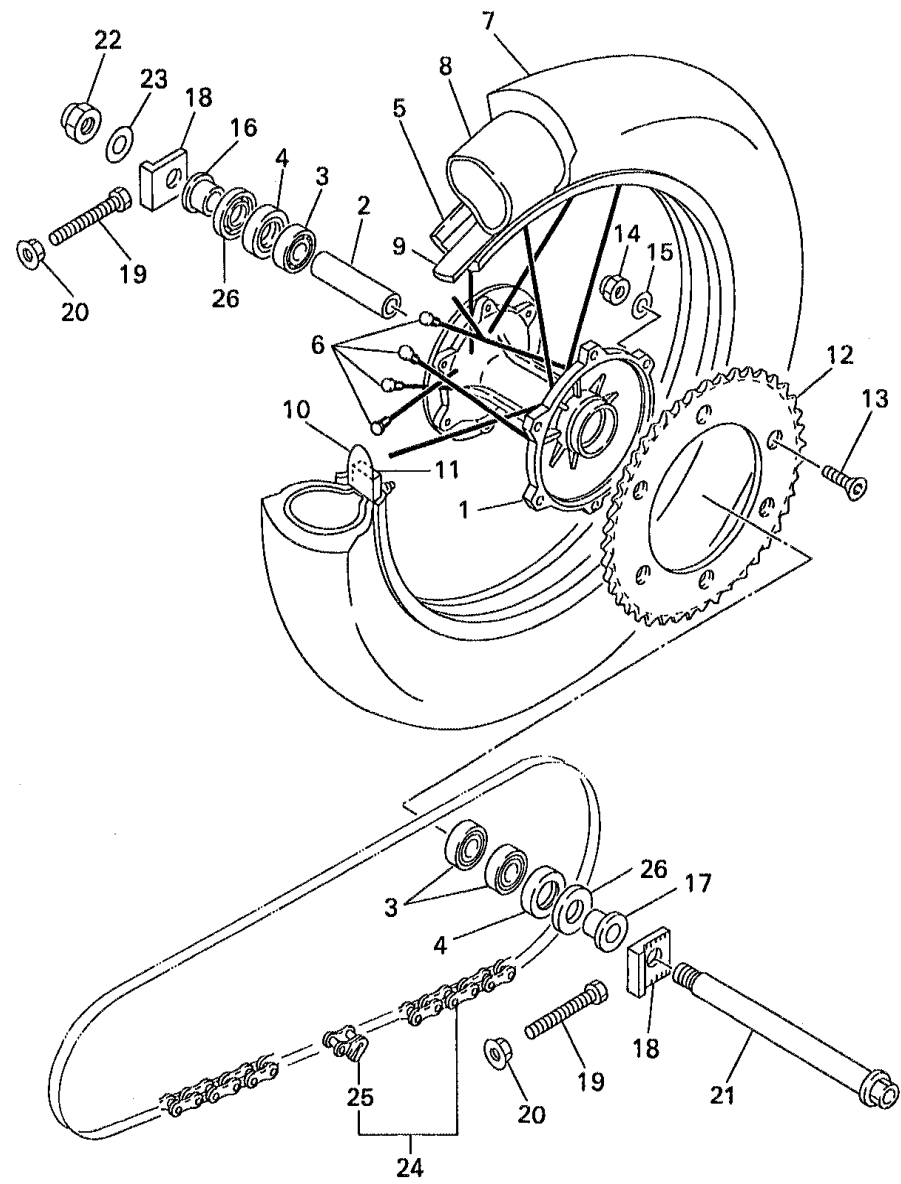
5BF100-8300

REAR WHEEL

Ref. No.	Part Number	Description	Qty	Remarks
1	4EW-25311-00-00	HUB, REAR	1	
2	4EW-25317-00-00	SPACER, BEARING	1	
3	93306-00418-00	BEARING	3	
4	93106-28023-00	OIL SEAL	2	
5	94421-18498-00	RIM (2.15-18)	1	
6	2VN-25304-00-00	SPOKE SET, REAR	1	
7	94111-1810U-00	TIRE (110/100-18 64M D737) ..	1	DUNLOP
8	94212-18188-00	TUBE (120/90-18)	1	DUNLOP
9	94309-18146-00	BAND, RIM (110/100-18)	1	DUNLOP
10	3JE-25394-00-00	SPACER, BEAD	2	
11	4XM-25364-00-00	DAMPER	2	
12	26A-25444-50-00	SPROCKET, DRIVEN (44T) ...	1	UR
	26A-25446-50-00	SPROCKET, DRIVEN (46T) ...	1	UR
	26A-25448-50-00	SPROCKET, DRIVEN (48T) ...	1	UR
	26A-25450-50-00	SPROCKET, DRIVEN (50T) ...	1	STD
	26A-25452-50-00	SPROCKET, DRIVEN (52T) ...	1	UR
13	90109-081G1-00	BOLT	6	
14	95617-08200-00	NUT, SELF-LOCKING	6	
15	90201-08326-00	WASHER, PLATE	6	
16	90387-2000B-00	COLLAR	1	
17	90387-2000C-00	COLLAR	1	
18	3SP-25388-00-00	PULLER, CHAIN 1	2	
19	90101-08777-00	BOLT	2	
20	95707-08500-00	NUT, FLANGE	2	
21	3JD-25381-01-00	AXLE, WHEEL	1	
22	90185-18104-00	NUT, SELF-LOCKING	1	
23	92907-18600-00	WASHER	1	
24	9Y581-76113-00	CHAIN (DID 520VM-114LL) ...	1	
25	94681-76001-00	. JOINT, CHAIN	1	

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REAR WHEEL



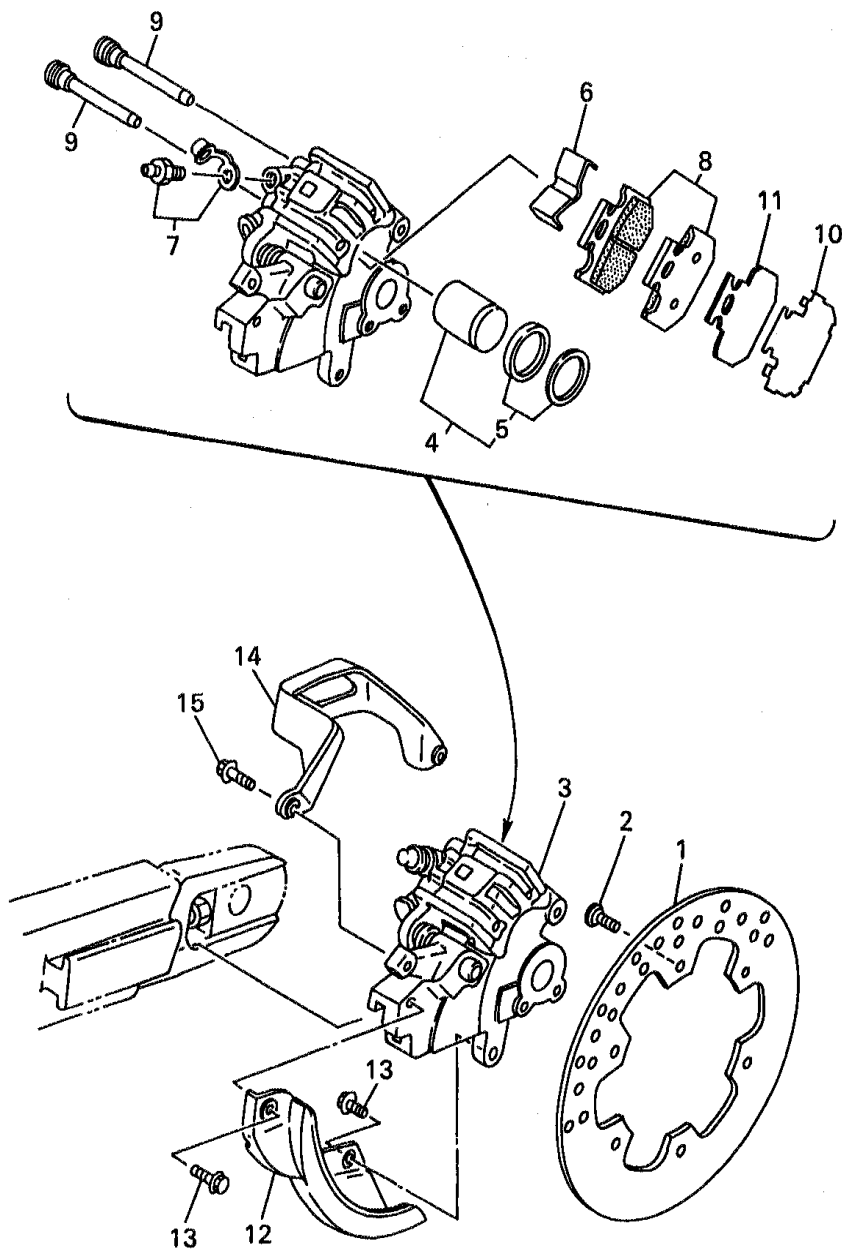
Ref. No.	Part Number	Description	Qty	Remarks
26	4V4-25367-00-00	COVER, HUB DUST	2	



5BF100-8300

REAR BRAKE CALIPER

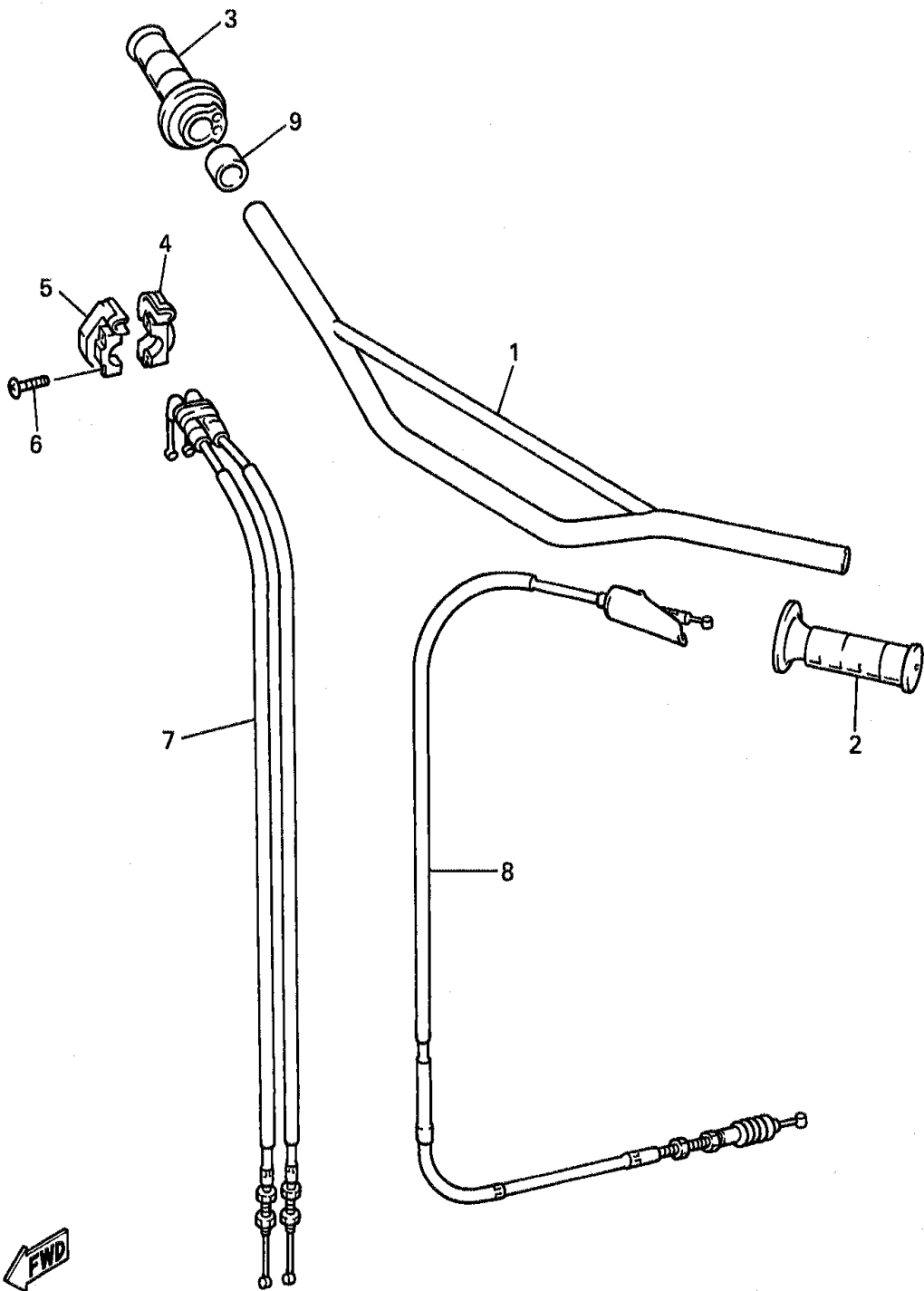
Ref. No.	Part Number	Description	Qty	Remarks
1	4MX-2582W-00-00	DISC, REAR BRAKE 2	1	
2	90149-06327-00	SCREW	6	
3	4XL-2580W-00-00	CALIPER ASSEMBLY, REAR 2	1	
4	3SP-W0057-50-00	. PISTON ASSEMBLY, CALIPER	1	
5	3JD-W0047-50-00	. . CALIPER SEAL KIT	1	
6	4GY-25919-50-00	. SUPPORT, PAD	1	
7	1UY-W0048-50-00	. BLEED SCREW KIT	1	
8	4GY-W0046-00-00	. BRAKE PAD KIT 2	1	
9	3SP-25924-51-00	. PIN, PAD	2	
10	4XM-25827-50-00	. SHIM, CALIPER	1	
11	4GY-22898-50-00	. INSULATOR, HEAT	1	
12	4MX-25718-00-00	PROTECTOR, DISK BRAKE ...	1	
13	95027-06012-00	BOLT, FLANGE	2	
14	4GY-27491-00-00	PROTECTOR	1	
15	95027-06016-00	BOLT, FLANGE	2	



5BE100-8310

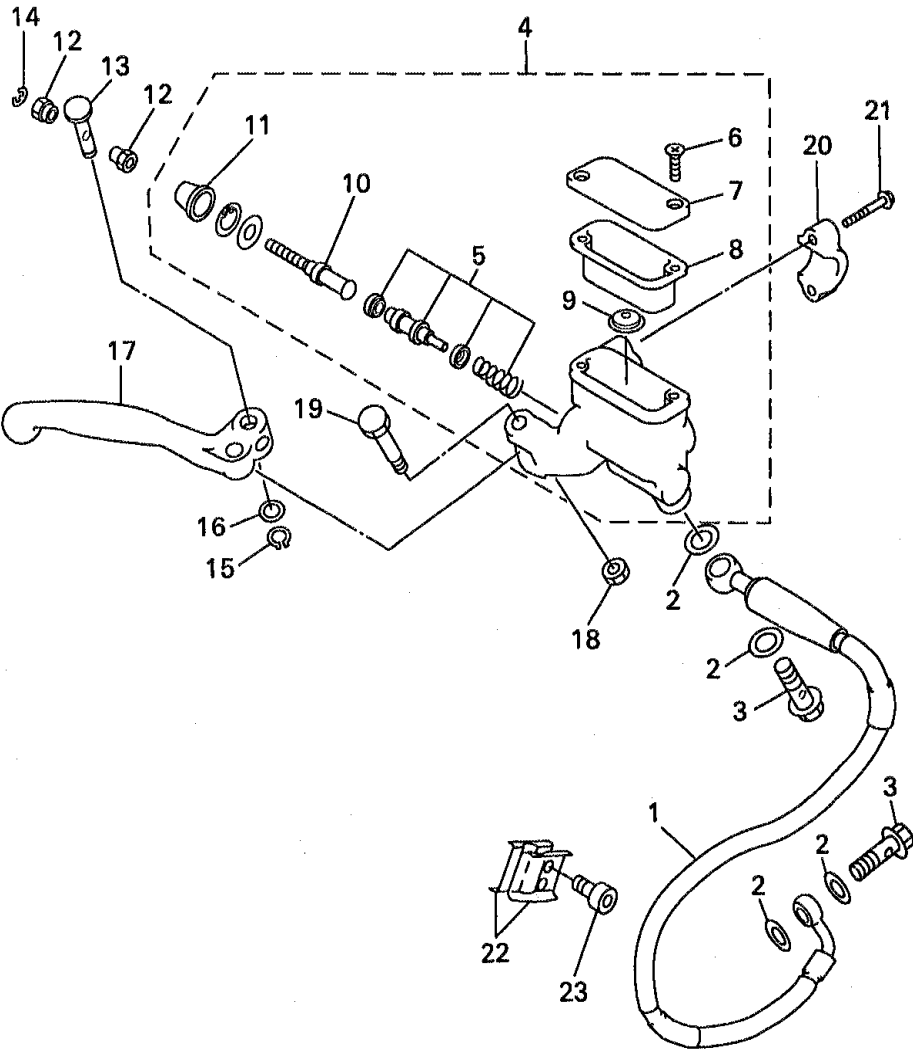
STEERING HANDLE - CABLE

Ref. No.	Part Number	Description	Qty	Remarks
1	4XM-26111-00-00	HANDLEBAR	1	
2	4GY-26241-00-00	GRIP (LEFT)	1	
3	5BE-26240-00-00	GRIP ASSEMBLY	1	
4	5BE-26281-00-00	CAP, GRIP UPPER	1	
5	5BE-26282-00-00	CAP, GRIP LOWER	1	
6	98507-05020-00	SCREW, PAN HEAD	2	
7	5BE-26302-01-00	THROTTLE CABLE ASSEMBLY	1	
8	5BE-26335-00-00	CABLE, CLUTCH	1	
9	90387-225N2-00	COLLAR	1	



5BE100-8320

FRONT MASTER CYLINDER

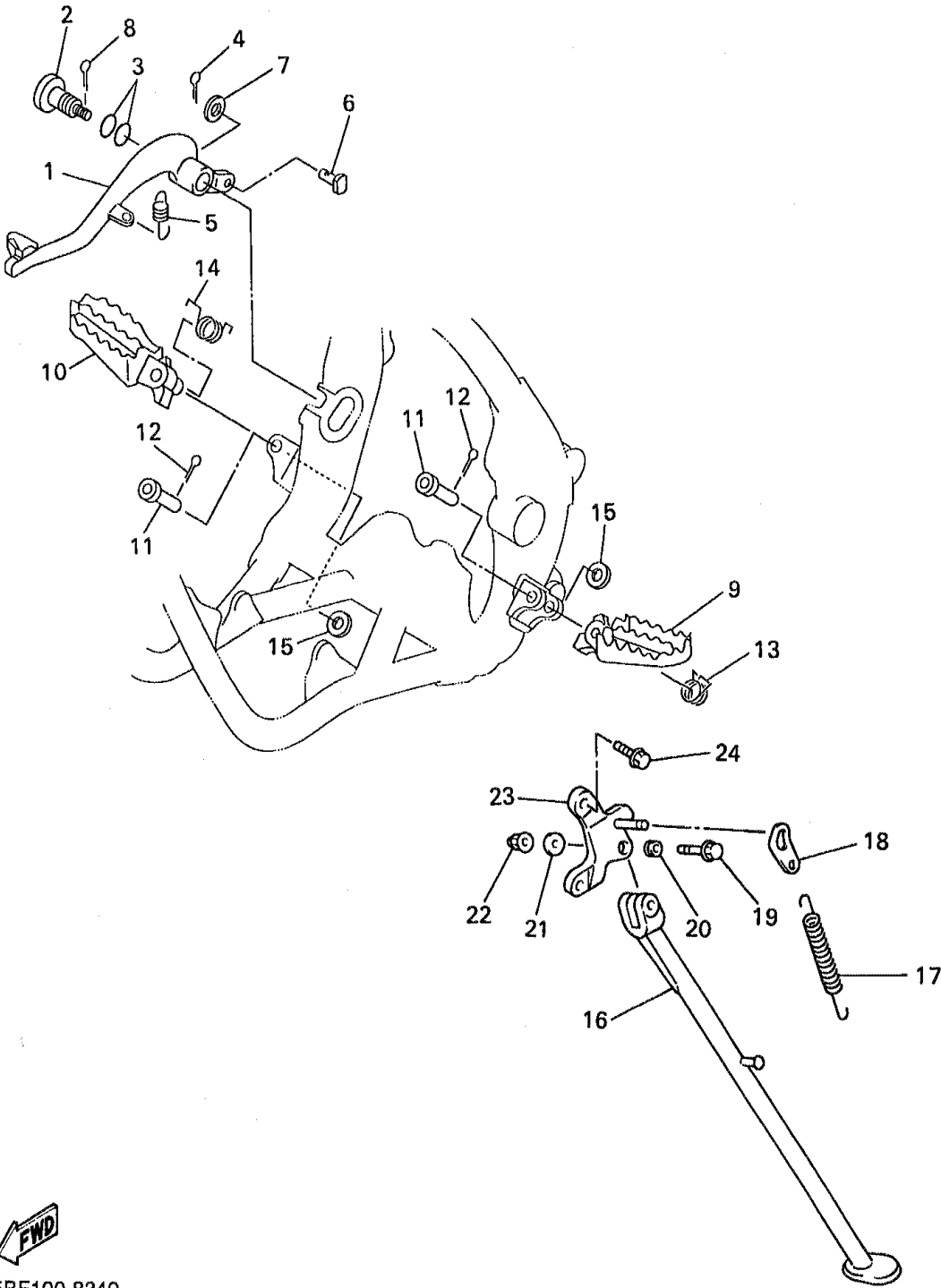


Ref. No.	Part Number	Description	Qty	Remarks
1	5BF-25872-00-00	HOSE, BRAKE 1	1	
2	90201-10118-00	WASHER, PLATE	4	
3	90401-10172-00	BOLT, UNION	2	
4	4SS-W2587-00-00	MASTER CYLINDER SUB ASSEMBLY	1	
5	4SS-W0041-00-00	. CYLINDER KIT, MASTER	1	
6	98706-04012-00	. SCREW, FLAT HEAD	2	
7	4SS-25852-00-00	. CAP, RESERVOIR	1	
8	4SS-25854-00-00	. DIAPHRAGM, RESERVOIR ..	1	
9	4SS-25889-00-00	. SEPARATOR ASSEMBLY ...	1	
10	4SS-25880-00-00	. PUSH ROD COMP.	1	
11	4SS-25868-00-00	. BOOT, MASTER CYLINDER ..	1	
12	4SS-2538E-00-00	NUT, ADJUSTING	2	
13	4SS-83913-00-00	COLLAR, LEVER 1	1	
14	3YX-25866-10-00	CIRCLIP	1	
15	4SS-25866-00-00	CIRCLIP	1	
16	4SS-2583G-00-00	WASHER	1	
17	4SS-83922-01-00	LEVER 2	1	
18	95606-06100-00	NUT, U	1	
19	4SS-2589F-00-00	BOLT, LEVER	1	
20	3YK-25867-00-00	BRACKET, MASTER CYLINDER	1	
21	4SS-25833-00-00	BOLT, FITTING	2	
22	90465-16258-00	CLAMP	2	
23	91317-06014-00	BOLT	2	



5BE100-8330

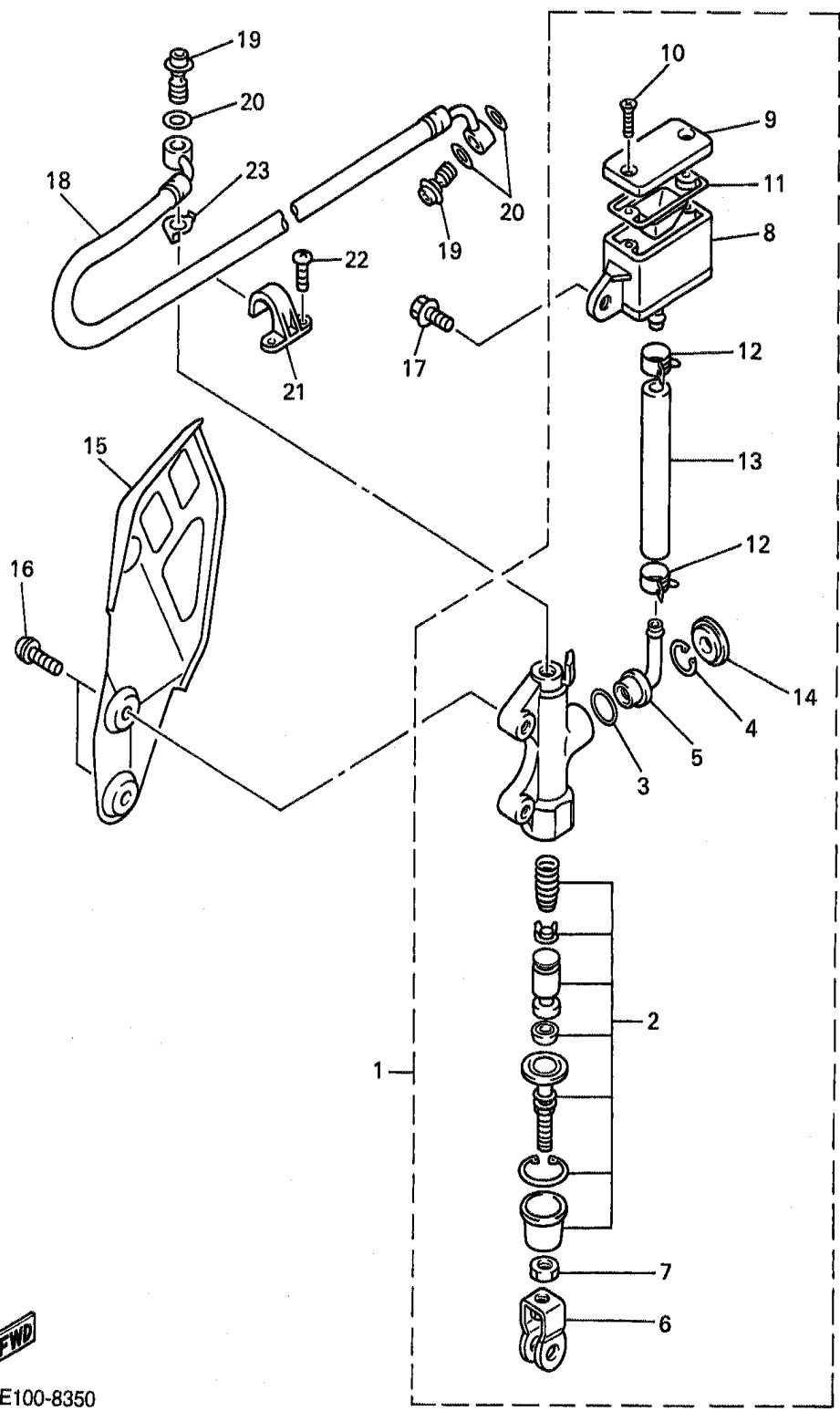
STAND - FOOTREST



Ref. No.	Part Number	Description	Qty	Remarks
1	4XM-27200-00-00	PEDAL, BRAKE	1	
2	4SS-27217-00-00	BOLT	1	
3	93210-11073-00	O-RING	2	
4	91401-20012-00	PIN, COTTER	1	
5	90506-16500-00	SPRING, TENSION	1	
6	90240-08120-00	PIN, CLEVIS	1	
7	90201-08089-00	WASHER, PLATE	1	
8	90468-16191-00	CLIP	1	
9	4XM-27411-00-00	FOOTREST 1	1	
10	4XM-27421-00-00	FOOTREST 2	1	
11	90240-10142-00	PIN, CLEVIS	2	
12	91401-25015-00	PIN, COTTER	2	
13	90508-282B8-00	SPRING, TORSION	1	
14	90508-282B9-00	SPRING, TORSION	1	
15	90201-10119-00	WASHER, PLATE	2	
16	5BF-27311-00-00	STAND, SIDE	1	
17	90506-35473-00	SPRING, TENSION	1	
18	5BF-27315-00-00	LINK, SIDE STAND	1	
19	90105-10728-00	BOLT, WASHER BASED	1	
20	90387-1003G-00	COLLAR	1	
21	92990-10200-00	WASHER, PLAIN	1	
22	95617-10100-00	NUT, U	1	
23	5BF-21458-00-00	BRACKET, SIDE STAND	1	
24	95027-10020-00	BOLT, FLANGE	2	

REAR MASTER CYLINDER

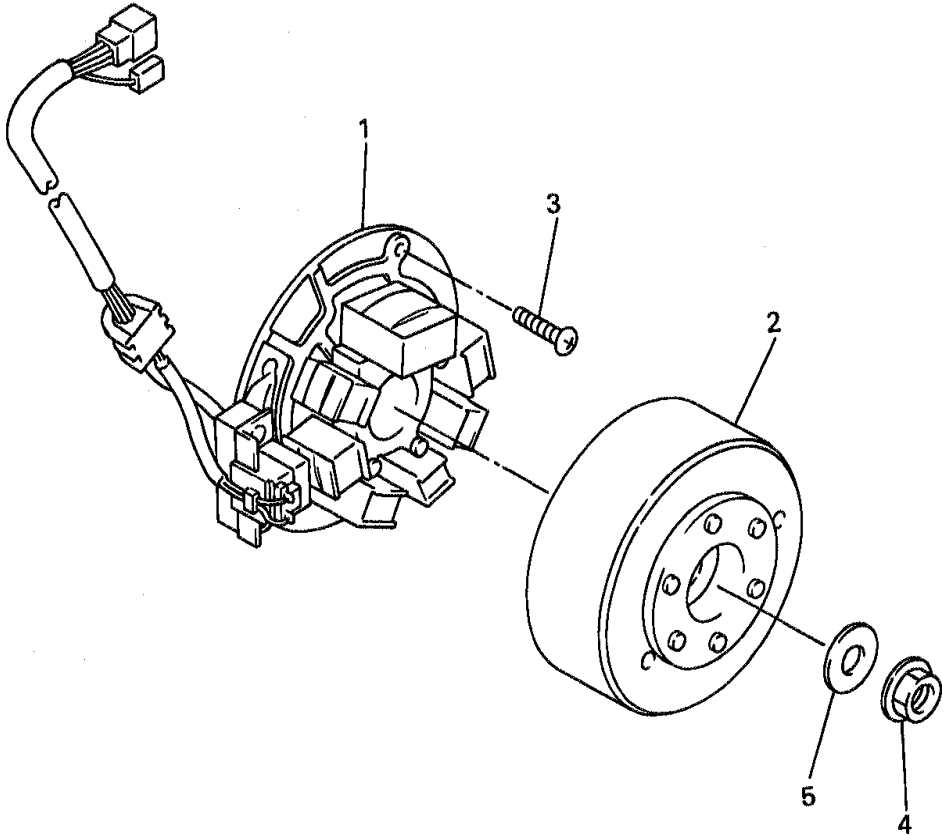
Ref. No.	Part Number	Description	Qty	Remarks
1	5BE-2583V-00-00	RR. MASTER CYLINDER ASSEMBLY.	1	
2	5BE-W0042-00-00	. CYLINDER KIT, MASTER	1	
3	93210-15620-00	. O-RING	1	
4	2VN-25866-00-00	. CIRCLIP	1	
5	4ML-2582A-50-00	. JOINT	1	
6	3SP-27222-00-00	. JOINT	1	
7	95301-08700-00	. NUT	2	
8	5BE-25894-00-00	. TANK, RESERVOIR	1	
9	5BE-25852-00-00	. CAP, RESERVOIR	1	
10	98706-04040-00	. SCREW, FLAT HEAD	2	
11	56A-25854-00-00	. DIAPHRAGM, RESERVOIR ..	1	
12	90467-12085-00	. CLIP	2	
13	5BE-25895-00-00	. HOSE, RESERVOIR	1	
14	3FV-2589A-00-00	. COVER, DUST	1	
15	5BE-2117M-00-00	COVER 2	1	
16	92014-06016-00	BOLT, BUTTON HEAD	2	
17	95027-06012-00	BOLT, FLANGE	1	
18	4SS-25873-01-00	HOSE, BRAKE 2	1	
19	90401-10172-00	BOLT, UNION	2	
20	90201-10118-00	WASHER, PLATE	3	
21	2VM-25876-00-00	HOLDER, BRAKE HOSE 2	2	
22	97780-50510-00	SCREW, TAPPING	4	
23	5BE-25844-00-00	WASHER, LOCK	1	



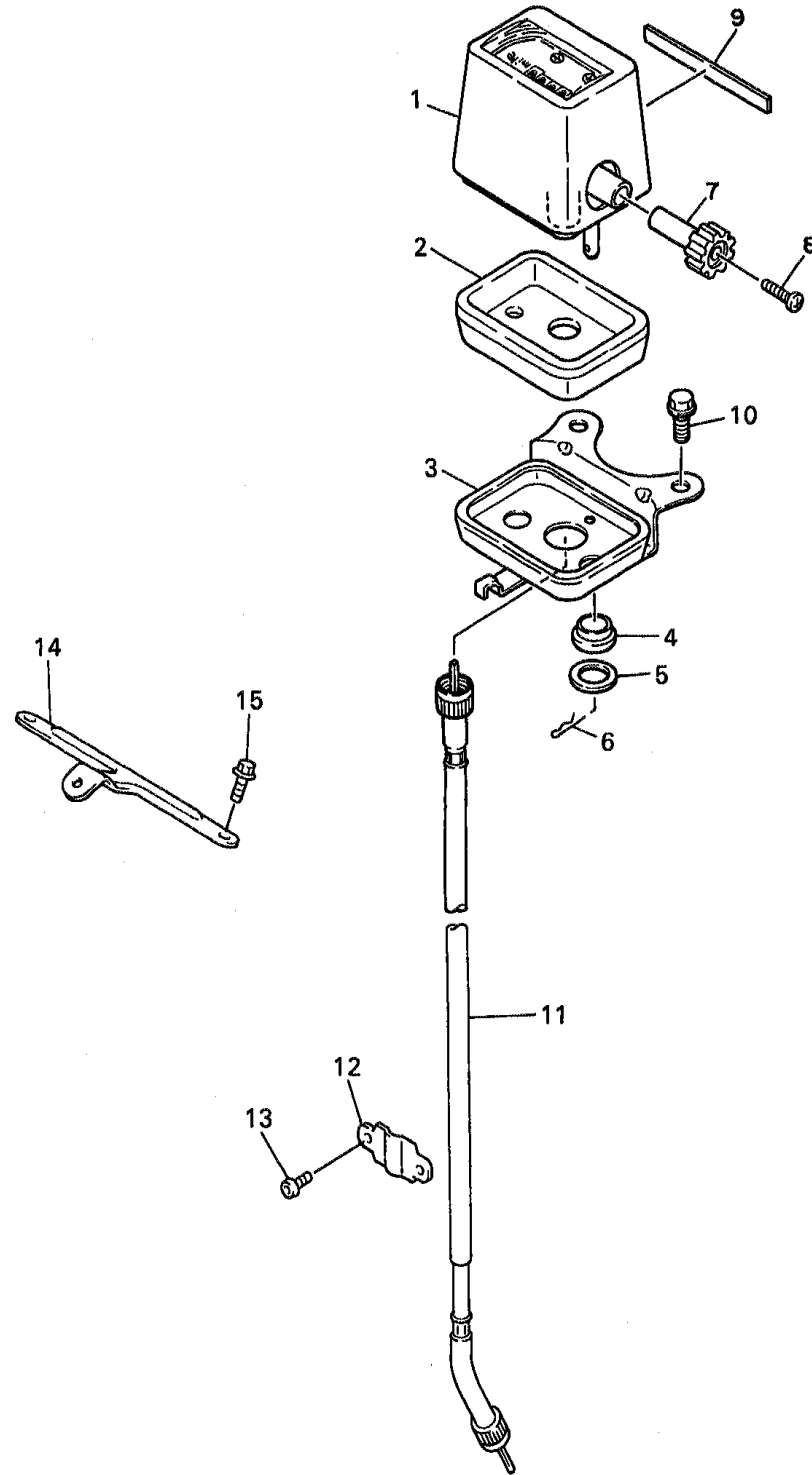

5BE100-8350

GENERATOR

Ref. No.	Part Number	Description	Qty	Remarks
1	5BF-85560-00-00	BASE ASSEMBLY	1	
2	5BF-85550-00-00	ROTOR ASSEMBLY	1	
3	90149-06324-00	SCREW	3	
4	90179-10247-00	NUT	1	
5	90201-101J1-00	WASHER, PLATE	1	



5BF100-8360



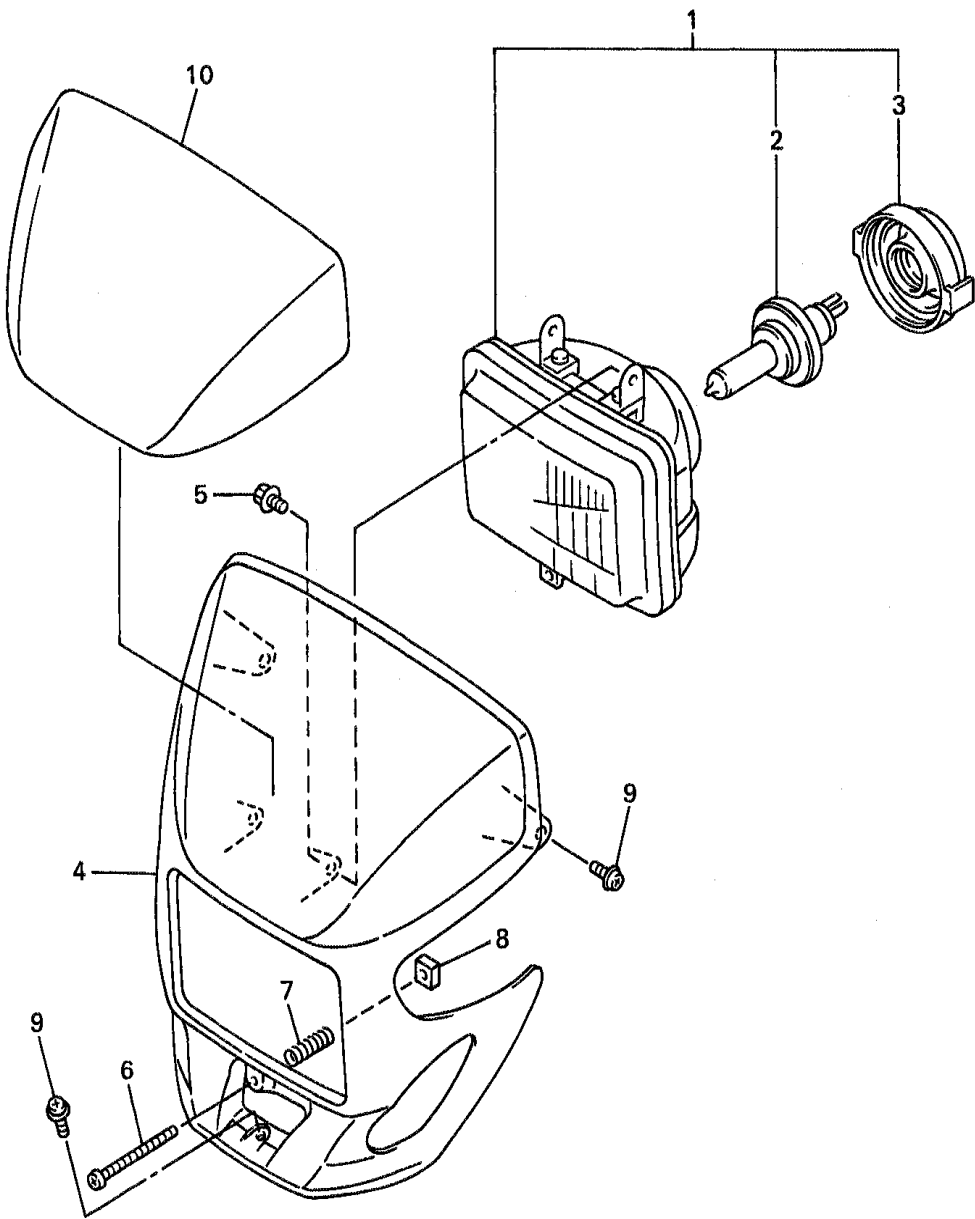
5BF100-8370

METER

Ref. No.	Part Number	Description	Qty	Remarks
1	2HR-83505-G0-00	TRIP METER COMP.	1	FOR GBR
2	4V5-83513-00-00	DAMPER	1	
3	2HR-83519-01-00	BRACKET, METER	1	
4	1M1-83526-00-00	DAMPER 2	2	
5	90201-05033-00	WASHER, PLATE	2	
6	437-83525-00-00	CLIP	2	
7	11H-83578-00-00	KNOB, TRIP METER	1	
8	90157-02031-00	SCREW, PAN HEAD	1	
9	2HR-83592-00-00	DAMPER	1	
10	95027-06010-00	BOLT, FLANGE	2	
11	5BF-83550-00-00	SPEEDOMETER CABLE ASSEMBLY	1	
12	5BF-2317M-00-00	STAY 3	1	
13	92017-05008-00	BOLT, BUTTON HEAD	2	
14	5BF-84319-00-00	STAY, HEADLIGHT 2	1	
15	95027-06010-00	BOLT, FLANGE	2	

HEADLIGHT

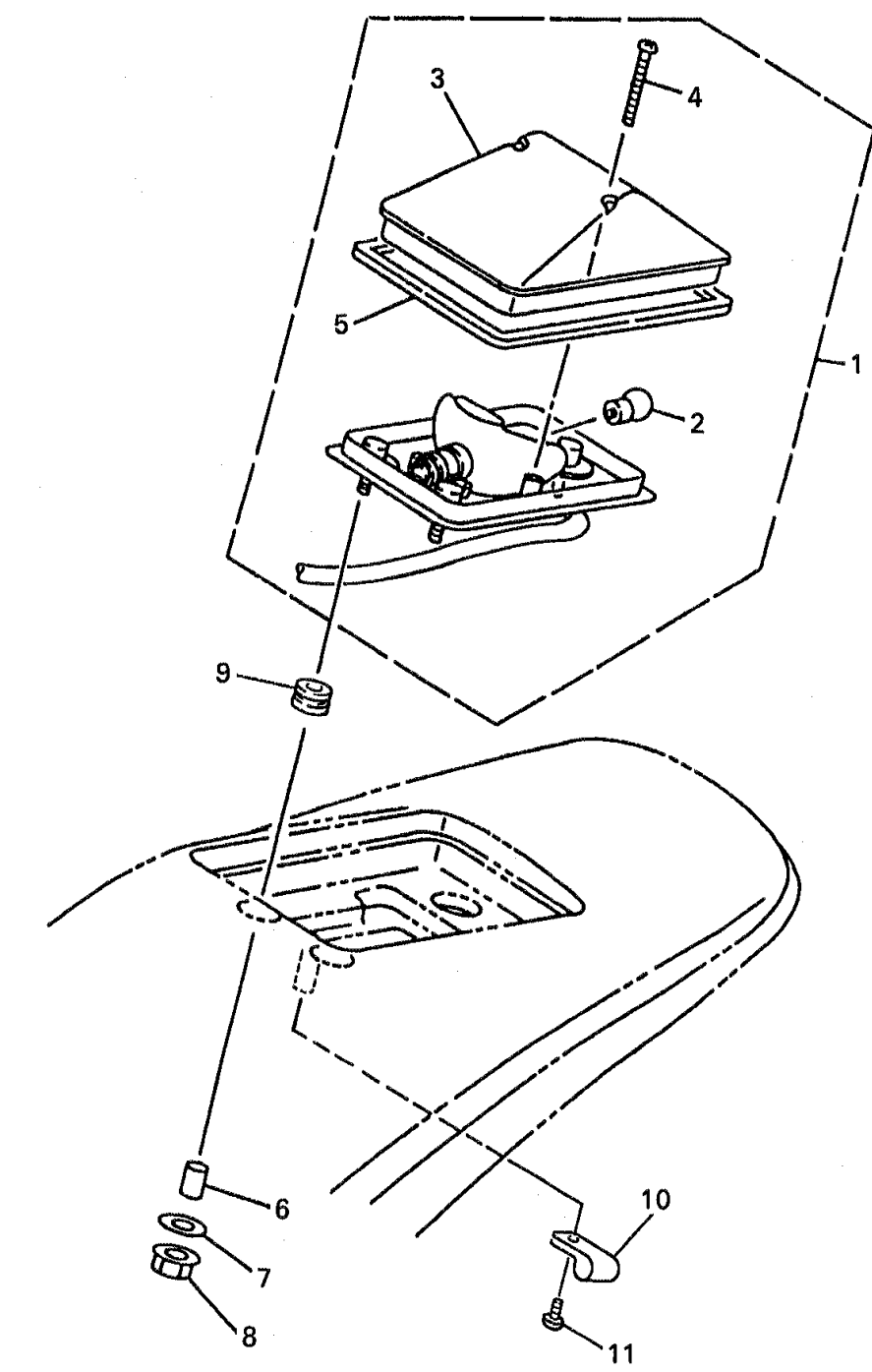
Ref. No.	Part Number	Description	Qty	Remarks
1	5BF-84310-00-00	HEADLIGHT UNIT ASSEMBLY .	1	
2	8G9-84314-00-00	. BULB (12V-60/55W)	1	
3	5BF-84397-00-00	. COVER, SOCKET	1	
4	5BF-84330-00-00	BODY ASSEMBLY	1	
5	55U-84337-00-00	BOLT, SPECIAL	2	
6	5BF-8433E-00-00	SCREW, ADJUSTING	1	
7	5BF-84335-00-00	SPRING	1	
8	5BF-84334-00-00	NUT, ADJUSTING	1	
9	90159-06189-00	SCREW, WITH WASHER	3	
10	5BF-2339E-00-00	GRAPHIC 1	1	



5BF100-8380

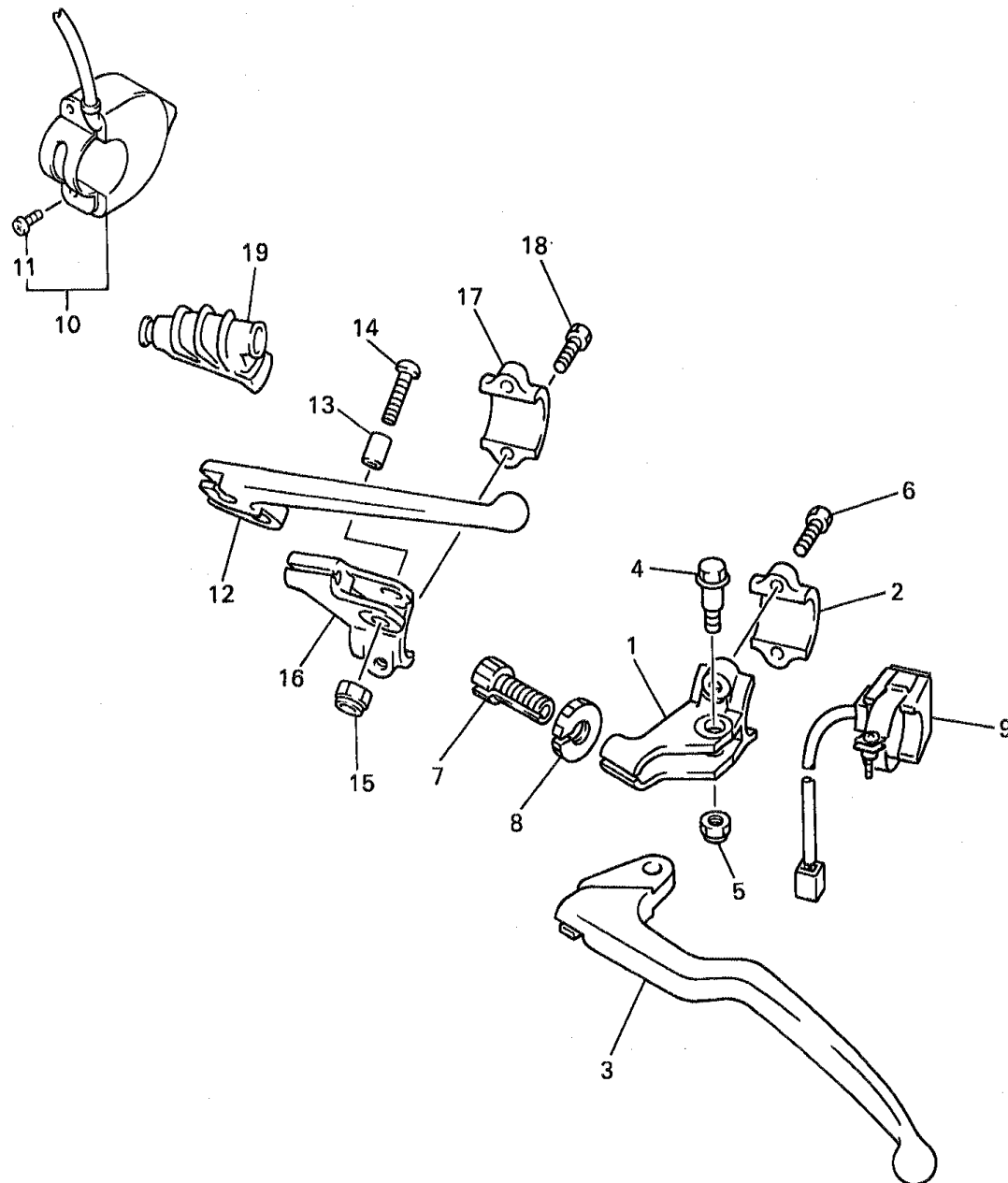
TAILLIGHT

Ref. No.	Part Number	Description	Qty	Remarks
1	5BF-84710-00-00	TAILLIGHT UNIT ASSEMBLY ..	1	
2	36Y-84714-40-00	. BULB, TAILLIGHT (12V-21/5W)	1	
3	4GY-84733-00-00	. LENS, TAILLIGHT	1	
4	97706-40530-00	. SCREW, TAPPING	2	
5	4GY-84723-00-00	. GASKET, TAIL LENS	1	
6	90387-065L5-00	COLLAR	3	
7	90201-06057-00	WASHER, PLATE	3	
8	95707-06500-00	NUT, FLANGE	3	
9	90480-14102-00	GROMMET	3	
10	90461-11099-00	CLAMP	2	
11	97780-40010-00	SCREW, TAPPING	2	



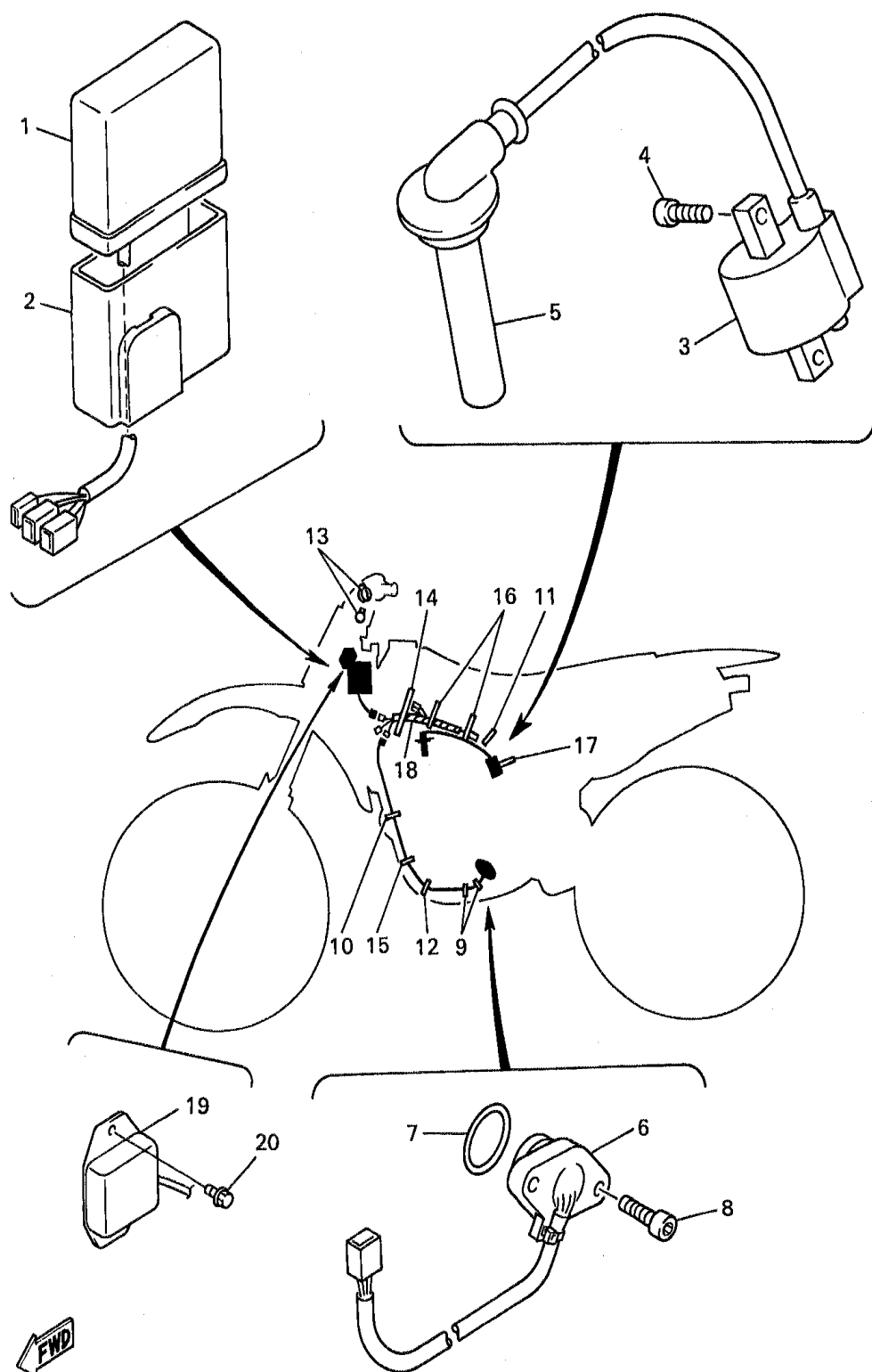
5BF100-8390

HANDLE SWITCH - LEVER



Ref. No.	Part Number	Description	Qty	Remarks
1	38V-82911-00-00	HOLDER, LEVER 1	1	
2	38V-82913-00-00	HOLDER, LEVER LOWER 1 ...	1	
3	4GY-83912-00-00	LEVER 1	1	
4	90109-06799-00	BOLT	1	
5	95607-06100-00	NUT, U	1	
6	97007-05016-00	BOLT	2	
7	90123-08090-00	BOLT	1	
8	90179-08401-00	NUT	1	
9	23X-83976-00-00	SWITCH, HANDLE 1	1	
10	5BF-83976-00-00	SWITCH, HANDLE 1	1	
11	98507-04014-00	. SCREW, PAN HEAD	2	
12	583-83981-00-00	LEVER, DECOMPRESSION ...	1	
13	5BE-83913-00-00	COLLAR, LEVER 1	1	
14	98907-05020-00	SCREW, BIND	1	
15	95607-05100-00	NUT, U	1	
16	5BE-82912-00-00	HOLDER, LEVER UPPER 1 ...	1	
17	38V-82913-00-00	HOLDER, LEVER LOWER 1 ...	1	
18	97007-05016-00	BOLT	2	
19	583-26352-00-00	COVER, DECOMPRESSION CABLE	1	


5BF100-8400

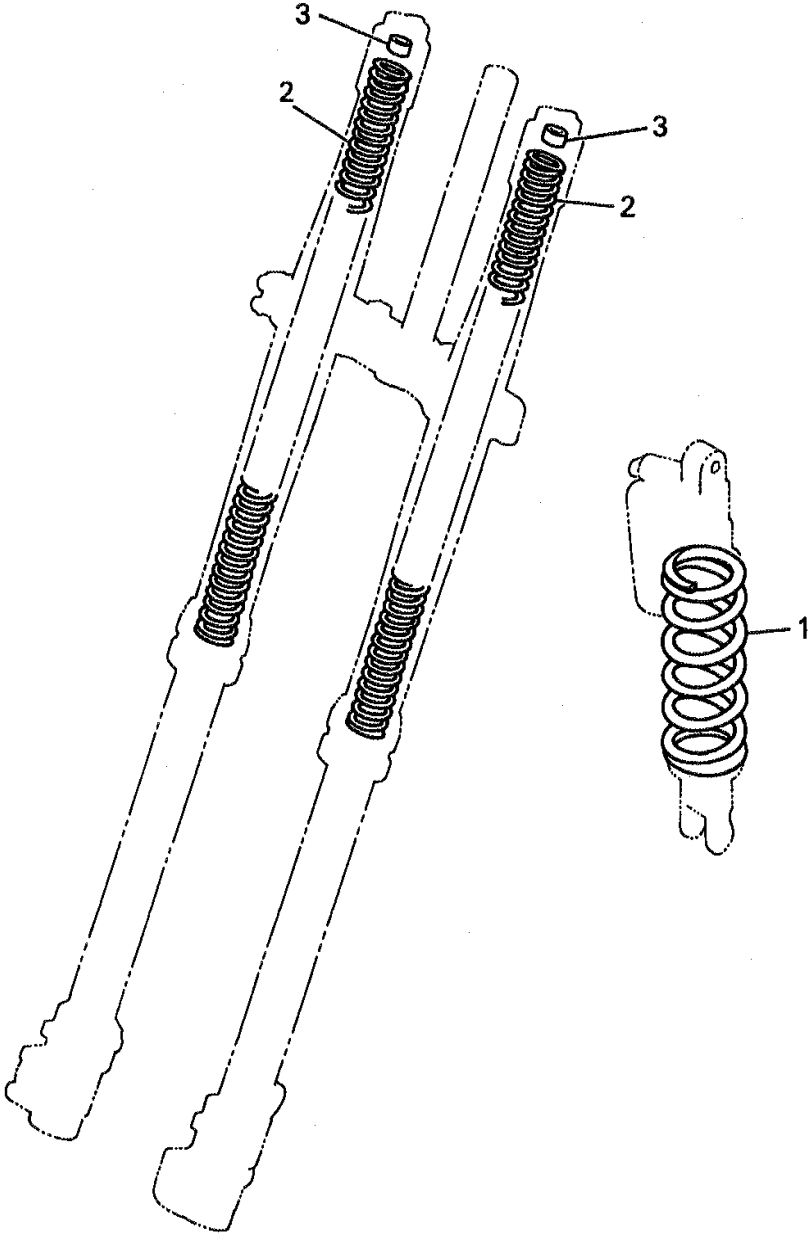


5BF100-8410

ELECTRICAL 1

Ref. No.	Part Number	Description	Qty	Remarks
1	5BF-85540-00-00	C.D.I. UNIT ASSEMBLY	1	
2	5BE-85546-00-00	BAND	1	
3	5BE-82310-00-00	IGNITION COIL ASSEMBLY ...	1	
4	91317-06016-00	BOLT	2	
5	5BE-82370-00-00	PLUG CAP ASSEMBLY	1	
6	5BE-82540-00-00	NEUTRAL SWITCH ASSEMBLY	1	
7	93210-21276-00	O-RING	1	
8	90154-05073-00	SCREW, BINDING	2	
9	90464-16061-00	CLAMP	2	
10	90464-13073-00	CLAMP	1	
11	90464-15195-00	CLAMP	1	
12	90460-15126-00	CLAMP, HOSE	1	
13	90464-13077-00	CLAMP	2	
14	90464-15152-00	CLAMP	1	
15	90464-13073-00	CLAMP	1	
16	90465-13275-00	CLAMP	2	
17	90464-15195-00	CLAMP	1	
18	5BF-82509-00-00	WIRE, SUB LEAD	1	
19	82M-81910-A0-00	VOLTAGE REGULATOR ASSEMBLY	1	
20	95827-06008-00	BOLT, FLANGE	2	

ALTERNATE (CHASSIS)



Ref. No.	Part Number	Description	Qty	Remarks
1	5DH-22212-10-00	SPRING (K=4.6)	1	AP
	5DH-22212-20-00	SPRING (K=4.8)	1	AP
	5DH-22212-30-00	SPRING (K=5.0)	1	AP
	5DH-22212-40-00	SPRING (K=5.2)	1	AP
	5DH-22212-50-00	SPRING (K=5.4)	1	AP
	5DH-22212-60-00	SPRING (K=5.6)	1	AP
	5DH-22212-70-00	SPRING (K=4.4)	1	AP
2	4SS-23141-10-00	SPRING, FRONT FORK (K=0.38)	2	AP
	4SS-23141-20-00	SPRING, FRONT FORK (K=0.39)	2	AP
	4SS-23141-30-00	SPRING, FRONT FORK (K=0.40)	2	AP
	4SS-23141-40-00	SPRING, FRONT FORK (K=0.41)	2	AP
	4SS-23141-50-00	SPRING, FRONT FORK (K=0.42)	2	AP
	4SS-23141-60-00	SPRING, FRONT FORK (K=0.43)	2	AP
	4SS-23141-70-00	SPRING, FRONT FORK (K=0.44)	2	AP
	5BE-23141-00-00	SPRING, FRONT FORK (K=0.46)	2	AP
3	4SS-23364-L0-00	COLLAR 2	1	UN



5BE100-8390



MOTORCYCLE

1/29/97

M97-003

TECH EXCHANGE

SUBJECTS: 1. Customer Long Term Storage Tips (60 days or more)
- All Models

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Customer Long Term Storage Tips (60 days or more) - All Models

The long term storage of a customer's motorcycle will require some preventive procedures to help guard against deterioration.

After thoroughly cleaning the motorcycle, prepare for storage as follows:

1. Top off the fuel tank with fresh fuel and add one ounce of Yamaha Fuel Conditioner and Stabilizer (ACC-FUELC-ND-12) or an equivalent stabilizer to each gallon of fuel. Run the engine a sufficient amount of time to fill the carburetor(s) with conditioned fuel.

Instruct the customer that the use of Yamaha Fuel Conditioner and Stabilizer eliminates the need to drain the fuel system.

2. Remove the spark plugs. Pour about one tablespoon of SAE 10W30 or 20W40 motor oil in each of the spark plug holes and reinstall the spark plugs. Turn the engine over several times (ground the spark plug leads) to coat the cylinder walls with oil.

3. Lubricate all control cables. Use a Yamaha Power Cable Luber (ACC-11110-43-11) and Yamaha Lube Zall (ACC-LUBEZ-AL-L0) to pressure lubricate the cables and purge out any moisture between the inner and outer cables.

4. Block up the frame to raise both the front and rear wheels off the ground.

5. If storing in a humid or salt-air atmosphere, coat all exposed metal surfaces with a light film of silicone protector (P/N ACC-PROTE-CT-08). Do not apply oil to any rubber parts or the seat cover.

6. Remove the battery and charge it. If the battery is not maintenance-free, fill it with distilled water to the upper level. Store it in a dry place and recharge it once a month. Do not store the battery in an excessively warm or cold location less than 30°F. (0°C) or more than 90°F (0° C).

7. Keep a record of the following information:

Customer Name _____

Model _____

Key # _____

Primary I.D. # _____

On the reverse side is a handy part number list of Yamaha's lubricants, oils and cleaning fluids.

NOTE: Please copy these tips and give them to your customers. See the Owner's Manual for details on the cleaning and storage of your unit.

If you have technical tips you think other dealers could use, let us know. You'll receive credit in the Tech Exchange for ideas we use, and we'll send you an exclusive Yamaha Tech Exchange hat as our thanks.
Send your tips to: Yamaha Motor Corporation, U.S.A., Attn: Tech Exchange, P.O. Box 6555, Cypress, CA 90630

Part Number	Description
ACC-ULTRA-CL-WX	Ultra Gloss Cleaner Wax
ACC-PROTE-CT-08	Protectant
ACC-WNDSC-CL-NR	Windscreen Cleaner
ACC-MUDGR-CL-NR	Mud, Grease and Engine Cleaner
ACC-FUELT-CD-KT	Fuel Tank Conditioner Kit
ACC-OCTNE-IM-PR	Octane Improver with Fuel System Cleaner
ACC-TIRES-EA-LR	Tire Sealer
ACC-STORE-RI-TE	Stor-Rite
ACC-SLCNE-SP-RY	Silicone Protectant and Lubricant
ACC-LUBEZ-AL-LO	Lube-Zall
ACC-FOAMF-LT-ER	Foam Filter Oil
ACC-BRAKE-CL-NR	Brake Cleaner
ACC-FUELC-ND-12	Fuel Stabilizer and Conditioner
ACC-CNTCT-CL-NR	Contact Cleaner
ACC-TIREM-NT-LB	Tire Mount Lube
ACC-TRANS-PL-US	Trans Oil Plus
ACC-BRAKE-FL-UD	Brake Fluid
ACC-FORKF-00-15	Fork and Shock Oil
ACC-11001-35-00	Shaft Drive Gear Oil
ACC-CHAIN-LU-BE	Chain Lube
ACC-QUICK-GS-KT	Quick Gasket
ACC-YAMAB-0N-D4	Yamabond 4
ACC-YAMAB-0N-D5	Yamabond 5
ACC-CARBC-LE-NR	Carburetor Cleaner
ACC-CMBSN-CL-NR	Combustion Chamber Cleaner
ABA-CHARG-ER-12	12 Volt Battery Charger
ABA-CHARG-ER-6V	6 Volt Battery Charger
ACC-CHARG-BT-12	12 Volt Battery Tender

NOTE: Refer to the Motorcycle and ATV Accessories Catalog (P/N LIT-10071-CC-97) for specific size and quantities for these products.

Technical BULLETIN

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GENERAL MAINTENANCE-FREE BATTERIES AS STANDARD EQUIPMENT

I INTRODUCTION

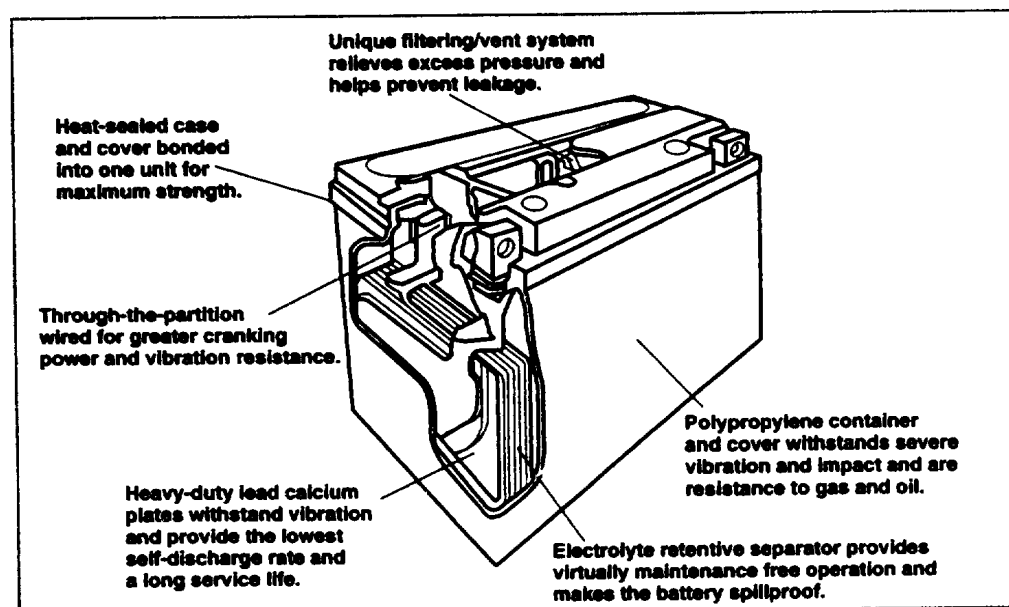
Many models of Motorcycles and Riva scooters now have Maintenance-Free batteries as standard equipment.

The construction of these batteries is different. They require different service and charging procedures than conventional batteries. Contrary to their name, maintenance-free batteries are not actually "maintenance-free." While it is not necessary to replenish fluid levels in these batteries, periodic charging is still required.

The plates in maintenance-free (M-F) batteries are lead-calcium. When acid is added to the battery, the plates absorb it. During the normal charge/dis-

charge cycle, the positive plates release oxygen gas. This gas travels through the separator to the negative plates, where the negative plates release hydrogen gas. The gases combine and create water which the plates absorb. This constant recycling occurs because the battery is sealed and the gases cannot escape.

This bulletin clarifies several misconceptions about M-F batteries. Proper Maintenance-Free battery service and charging information is also available in the assembly manual and owner's manual of any model equipped with an M-F battery.



SERVICE PROCEDURES

M-F BATTERY DO'S AND DON'TS

DO: Use only the electrolyte supplied with the battery.

The acid furnished with the battery is premeasured for that battery. The electrolyte supplied with maintenance-free batteries has a higher specific gravity than that used in conventional lead-acid batteries (1.320 vs. 1.280). The plates in the M-F battery absorb all the acid. Allow it to sit for 20 minutes.

DO: Charge the battery before initial use.

Using an improperly charged battery can damage it and shorten its service life.

DO: Use a variable voltage, type charger.

You can use a standard battery charger for the initial charging of a new M-F battery. However, a standard charger will not recharge an M-F battery that has been drained from long periods of storage or charging system failure. The Christie Battery Charger (Kent-Moore P/N YE-37453) is a variable-current (voltage) type charger.

DO: Use a digital voltmeter to check the condition of an M-F battery.

Be sure to disconnect the battery from the machine or charger before checking battery condition. Before checking the voltage, let the battery cool for at least 30 minutes after charging. If the voltage is 12.8VDC or higher, the battery is ready for use. If voltage is below 12.8V, charge the battery for a longer period.

BATTERY VOLTAGE READING USING A VOLTMETER		
State Of Charge	Maintenance Free	Conventional
100%	13.0 Volts	12.5 Volts
75%	12.8 Volts	12.4 Volts
50%	12.5 Volts	12.1 Volts
25%	12.2 Volts	11.9 Volts
0%	12.0 or Less	11.8 or Less

DON'T: Remove the seal strip from the battery until ready to service.

This will prolong the shelf life of the battery.

DON'T: Open the sealed caps after installation.

Removing the caps will allow gas to escape and disrupt the recycling process. This gas normally is absorbed back into the plates. So, removing the caps will change the acid content of the battery and permanently damage it.

DON'T: Add additional electrolyte or water to an M-F battery.

The plates absorb all of the acid during initial service. There is no standing acid level. The battery will appear to be dry. You cannot check the fluid level after the battery has been serviced. Adding additional fluids to the battery will permanently damage the battery, and may cause additional damage to the vehicle by causing fluid to escape out the pressure-relief valve.

DON'T: Use standard battery electrolyte.

Maintenance-free batteries require electrolyte with a higher specific gravity.

DON'T: Install an M-F battery that has not been charged.

Applying a heavy load (such as the electric starter) to an improperly charged battery will damage the battery and shorten its life.

DON'T: Overcharge an M-F battery.

Overcharging allows gases to escape through the pressure-relief valve and changes the acid content of the battery. This causes the plates to overheat and prevent proper charging, damaging the battery permanently.

DON'T: Try to check the condition of an M-F battery using a hydrometer.

Never remove the sealed caps after servicing the battery.

Service Procedures (Cont'd.)

CHARGING REQUIREMENTS OF MAINTENANCE-FREE BATTERIES

Some of the main causes for battery failures are incorrect activating or charging procedures. Be sure to follow the instructions in this Bulletin to ensure the longevity of your battery.

Activating /Initial Charging

Remove the aluminum seal covering the filler holes and follow the directions that come with the battery to fill it with the supplied electrolyte. Allow it to sit for a period of 20 minutes. Use either the **Christie Battery Charger (Kent-Moore P/N YE-38101)** or a standard battery charger to charge the battery at a rate of 1 amp, according to the following guidelines: Measure the open-circuit voltage using a **Digital Voltmeter (Kent-Moore P/N YU-34899-A)**. The battery is ready to use if the voltage is 12.8V or above. If the voltage is below 12.8V, then additional charging is required.

NOTE: A standard battery charger can be used for the initial charging of an M-F battery. However, it **cannot** restore a Maintenance-Free battery that has been stored for extended periods of time.

Open-Circuit Voltage	Charging Time
12.8 or higher	No charge is necessary
12.7V ~ 11.5V	5 ~ 10 hours
Less than 11.5V	15 ~ 20 hours

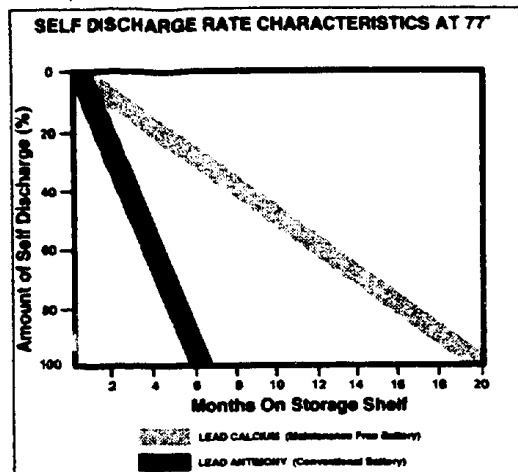
After the initial charging, allow the battery to cool down for 30 minutes before re-checking the voltage.

Re-Charging

Maintenance-Free batteries can survive long periods of storage, however, once discharged they are more difficult to recharge and require different charging methods than a conventional battery.

M-F batteries subjected to a low state of charge for extended periods can often be restored to usable condition. This requires the use of a variable voltage type charger like the Christie Battery

Charger (P/N YE-38101). It may require several attempts before it reaches a suitable charge.



The Christie charger produces current at a constant rate for the duration of the charge, even if the voltage varies. It puts a load on the battery, and measures the condition of the battery under a load. Refer to the following chart for accurate determination of the battery condition:

Battery Condition	Reading
Good	Green
Fair	Yellow
Poor	Red

This type of charger can deliver enough voltage (up to 25 volts) to break through the sulfation buildup (resistance through the plates) and start the charging process.

Refer to the instructions provided with the Christie Charger for proper charging of a discharged or sulfated M-F battery.

If the battery voltage is still below 12.8V after several recharging attempts, replace the battery.

NOTE: Refer to the flow chart on the back of this page for M-F battery for checking and charging.



WARRANTY INFORMATION

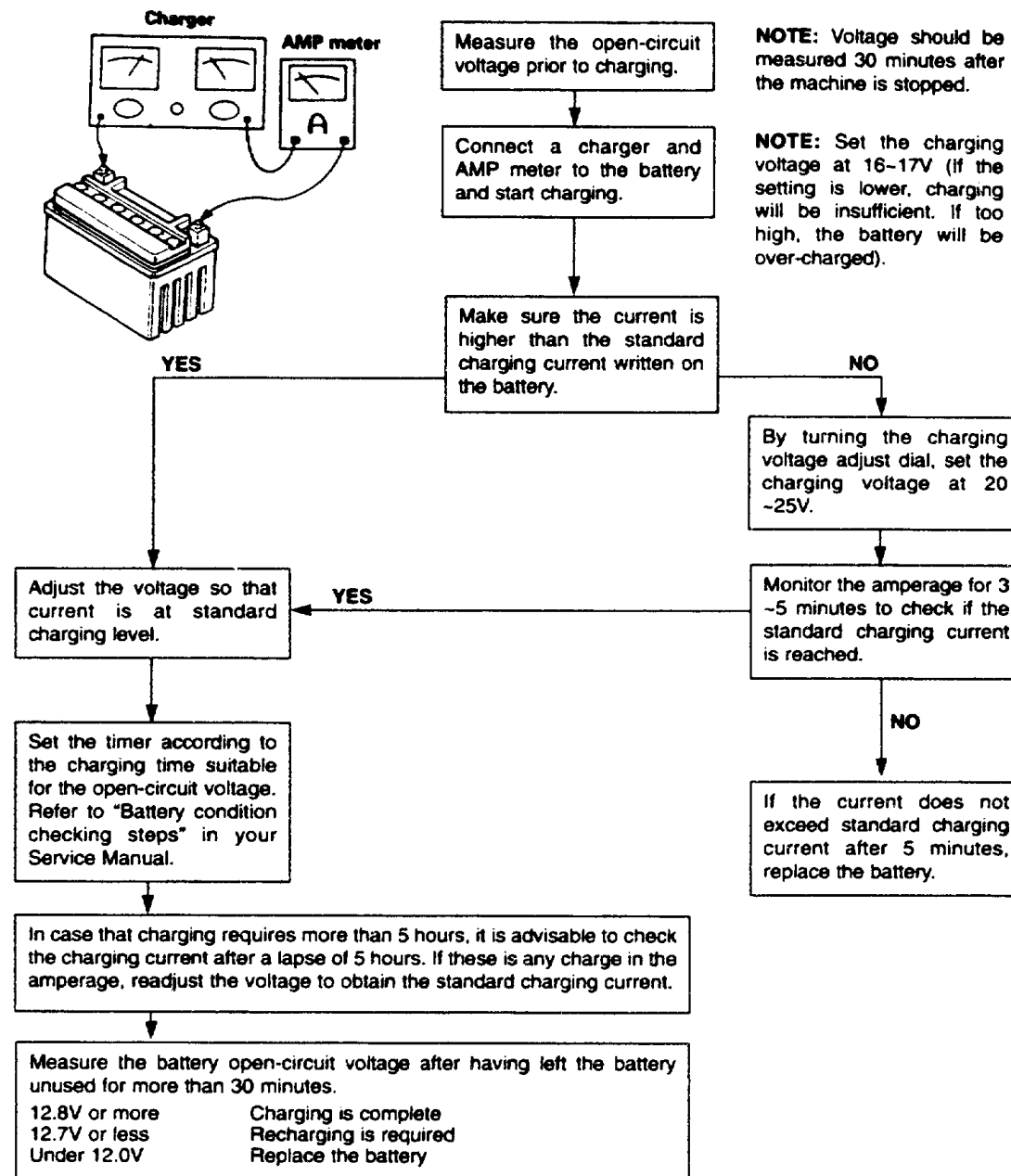
Warranty will only cover defects. The following failures are **not** defects:

- Undercharging (insufficient charge)
- Shorted plates caused by overcharging
- Physical damage caused by abuse

- M-F batteries which are not recharged using a variable voltage, constant current type charger
- M-F batteries which have had their sealing caps removed

PAGE 3 OF 4

CHARGING METHOD USING A VARIABLE VOLTAGE TYPE CHARGER



NOTE: Voltage should be measured 30 minutes after the machine is stopped.

NOTE: Set the charging voltage at 16-17V (if the setting is lower, charging will be insufficient. If too high, the battery will be over-charged).

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ROUTE TO: ☒ SERVICE ☒ PARTS ☒ WARRANTY ☒ SALES

Technical BULLETIN

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PRIMARY ID PREFIX IDENTIFICATION NEW 1998 MODELS

i INTRODUCTION

Starting with newly developed models for 1998, Yamaha will begin using a **5-digit prefix** within the 17-digit Vehicle Identification Number (VIN) instead of the 3-digit prefix used previously. You must use the 5-digit prefix in the "Primary ID" for all Warranty-related matters on these models. The last six digits are the production numbers with either the previous or new type VIN.

This bulletin explains how to read 5-digit Primary ID prefixes. It also explains how to determine whether to use the 3-digit or 5-digit prefix in the future.

NOTE: The engine number on newly developed models also uses a 5-digit prefix. However, these are not the same digits. **Do not use the engine prefix for any warranty-related identification.**

Within the Motorcycle product line, the following models are the only ones affected at this time:

- YZ80K1
- YZ125K1
- YZ250K1
- YZ400FK

YAMAHA IDENTIFICATION PROCEDURE

KNOWING WHICH PREFIX TO USE

How do you know whether to use a 3-digit or 5-digit prefix? It is actually easy to decide. Look at what character is at the beginning of the prefix (**the 4th position in the VIN**). If that character is a number, then use the 3-digit prefix. If that character is a letter, then use the 5-digit prefix.

See page 2 for a detailed explanation about prefixes.

Character Type	Prefix Type
Number, such as: JYA3JM JY44KD	Use the 3-digit prefix, such as: 3JM- 4KD-
Letter, such as: JYA C E01C JYA A J01W	Use the 5-digit prefix, such as: CE01C- AJ01W-

NEW 5-DIGIT PREFIX

The new VIN number looks like this:

JYA**CE01C**()WA000101



CE01C is the new-style 5-digit prefix code for the YZ125K1. The production number is **000101**. Therefore, the full Primary ID is **CE01C-000101**.

Here is the meaning of each digit:

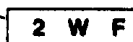
①	Model Category A: ATV C: Competition (on or off road) D: On and off road F: Family R: Sports S: Scooter U: Business V: V-Engine
②	Engine Displacement Code A: Below 50cc B: 51 - 100cc E: 101 - 125cc G: 126 - 250cc H: 251 - 400cc J: 401 - 600cc M: 601 - 750cc N: 751 - 1000cc P: 1001 and above
③ & ④	Serial Number Digits (starts from 01)
⑤	Destination Market A: 50-state model E: 49-state model (except California) Y: California model W: World (not for street-legal models) C: Competition model Other codes are used in other countries. For example, on-road models for Canada use "N."

3-DIGIT PREFIX

For continuing models, the factory will continue to use the 3-digit prefix within the 17-digit VIN.

Here is an example:

JYA**2WFC**()TA133333



2WF is the familiar 3-digit-type prefix code for the VMX12JC. The production number is **133333**. Therefore, the full Primary ID is **2WF-133333**.

PRIMARY ID PREFIX NUMBERS

The annual technical bulletin announcing the VIN and Primary ID numbers for 1998 model motorcycles will be sent at a later date. However, here is information for the models now available which use the 5-digit prefix:

Model	Primary ID Prefix
YZ80K1	CB01C-
YZ125K1	CE01C-
YZ250K1	CG01C-
YZ400FK	CH01C-