



PARTS CATALOGUE

MODEL YEAR

YZ80F1 (4ES3)

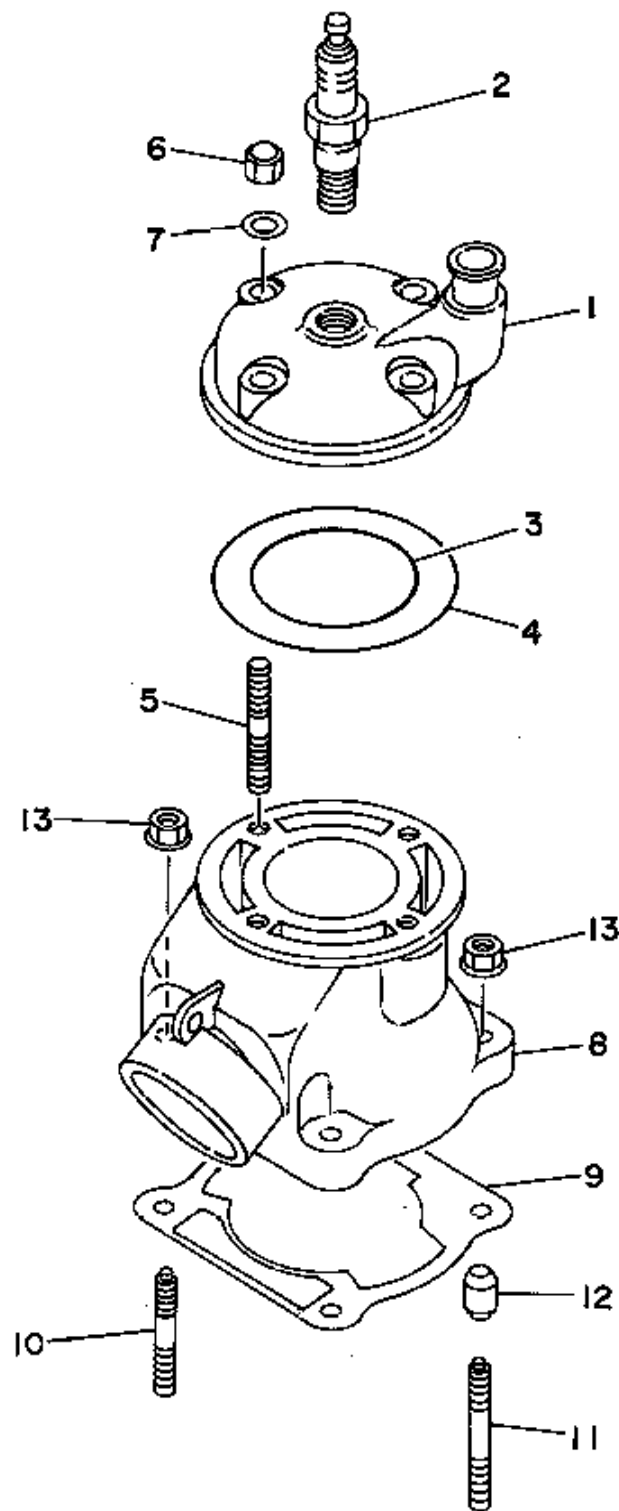
Frame Serial No.	4ES-012101 and following
Engine Serial No.	4ES-012101 and following

PUBLICATION	PART NUMBER	REMARKS
OWNER'S MANUAL	LIT-11626-08-88	
ASSEMBLY	LIT-11666-08-88	
SERVICE MANUAL	---	



YAMAHA
ONLINE
Parts & Accessories

CYLINDER



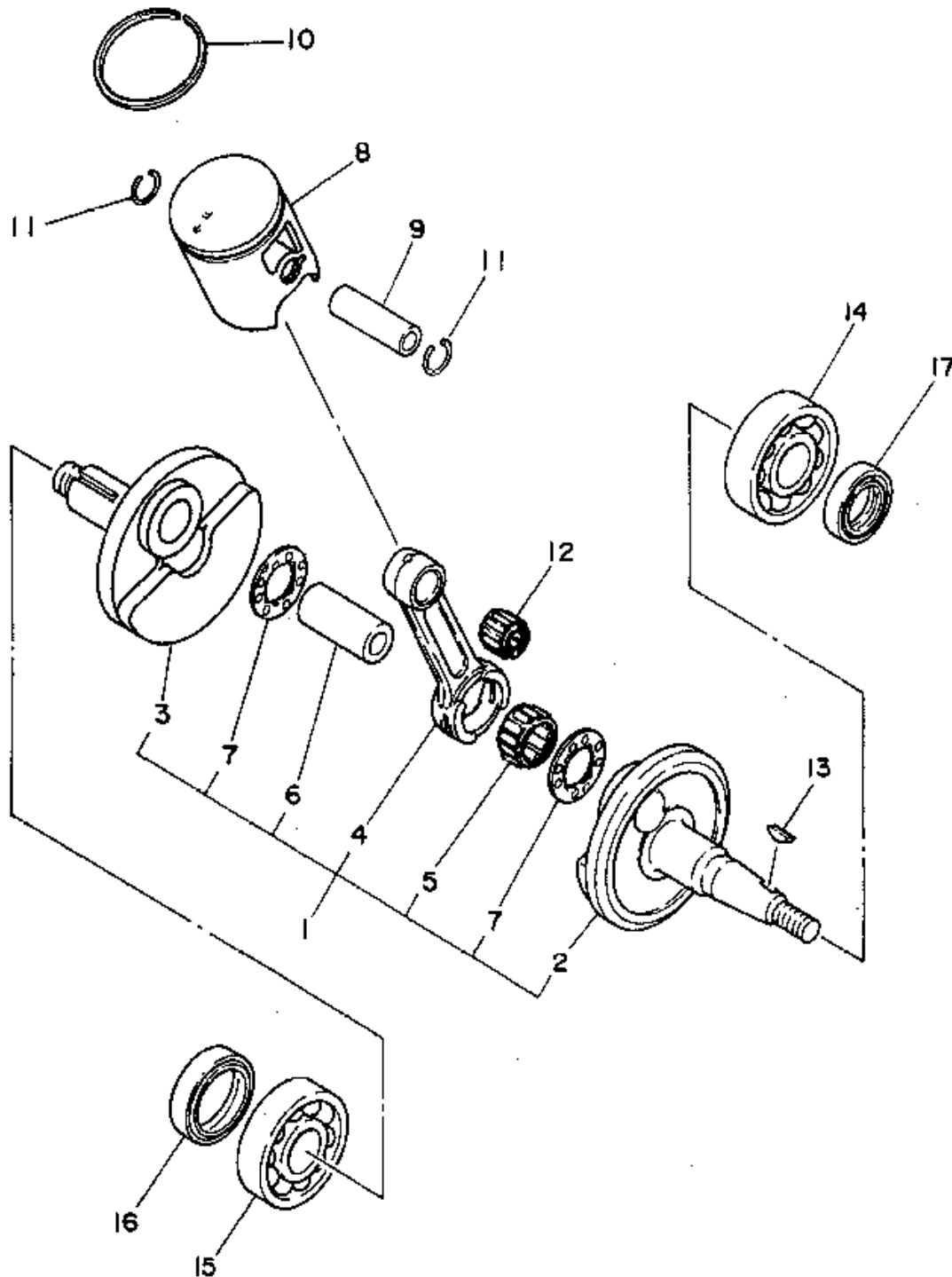
Ref. No.	Part Number	Description	Qty	Remarks
1	4ES-11111-00-00	HEAD, CYLINDER 1	1	
2	NGK-B10EG-00-00	PLUG, SPARK (NGK B10EG) ..	1	UR
3	93210-56459-00	O-RING	1	
4	93210-84724-00	O-RING	1	
5	90116-08394-00	BOLT, STUD	4	
6	90176-08026-00	NUT, CROWN	4	
7	90201-08087-00	WASHER, PLATE	4	
8	4ES-11311-00-00	CYLINDER 1	1	
9	4ES-11351-00-00	GASKET, CYLINDER	1	
10	90116-08318-00	BOLT, STUD	2	
11	90116-08388-00	BOLT, STUD	2	
12	99510-10114-00	PIN, DOWEL	2	
13	90179-08491-00	NUT, FLANGE	4	



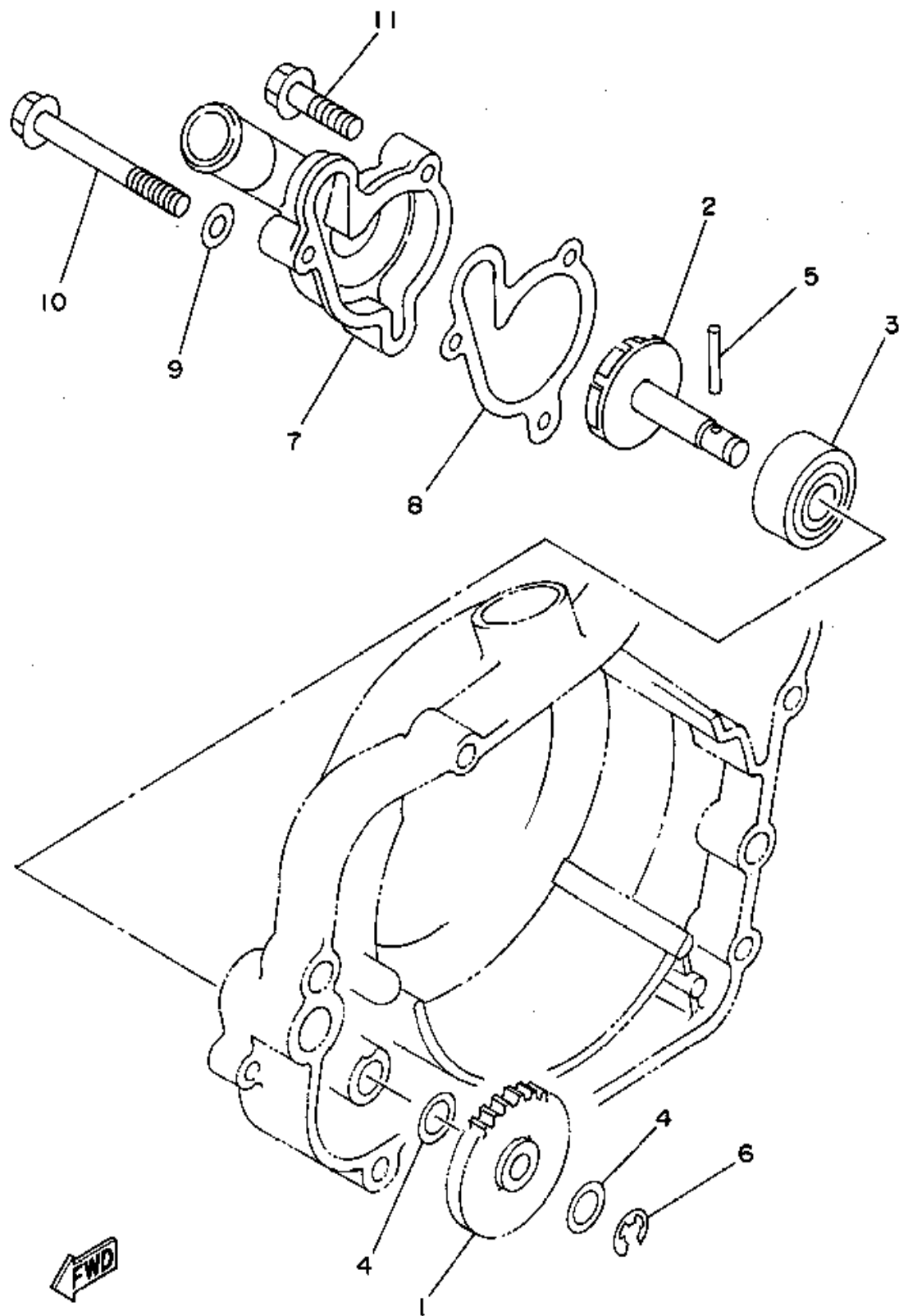
4ES1100-3010

CRANKSHAFT - PISTON

Ref. No.	Part Number	Description	Qty	Remarks
1	4ES-11400-02-00	CRANKSHAFT ASSEMBLY ...	1	
2	4ES-11412-00-00	. CRANK 1	1	
3	4ES-11422-00-00	. CRANK 2	1	
4	4ES-11651-01-00	. ROD, CONNECTING	1	
5	93310-320T3-00	. BEARING	1	
6	2RA-11681-00-00	. PIN, CRANK 1	1	
7	90209-20159-00	. WASHER	2	
8	4ES-11631-01-A0	PISTON (STD)	1	UR RED
	4ES-11631-01-B0	PISTON (STD)	1	UR ORANGE
	4ES-11631-01-C0	PISTON (STD)	1	UR GREEN
	4ES-11631-01-D0	PISTON (STD)	1	UR PURPLE
9	4ES-11633-00-00	PIN, PISTON	1	
10	43K-11611-00-00	RING, PISTON	1	
11	93450-16115-00	CIRCLIP	2	
12	93310-21403-00	BEARING	1	KOYO
13	90280-03017-00	KEY, WOODRUFF	1	
14	93306-20468-00	BEARING	1	
15	93306-30421-00	BEARING (B6304C3)	1	
16	93103-28126-00	OIL SEAL	1	
17	93102-20447-00	OIL SEAL	1	



4ES1100-3020

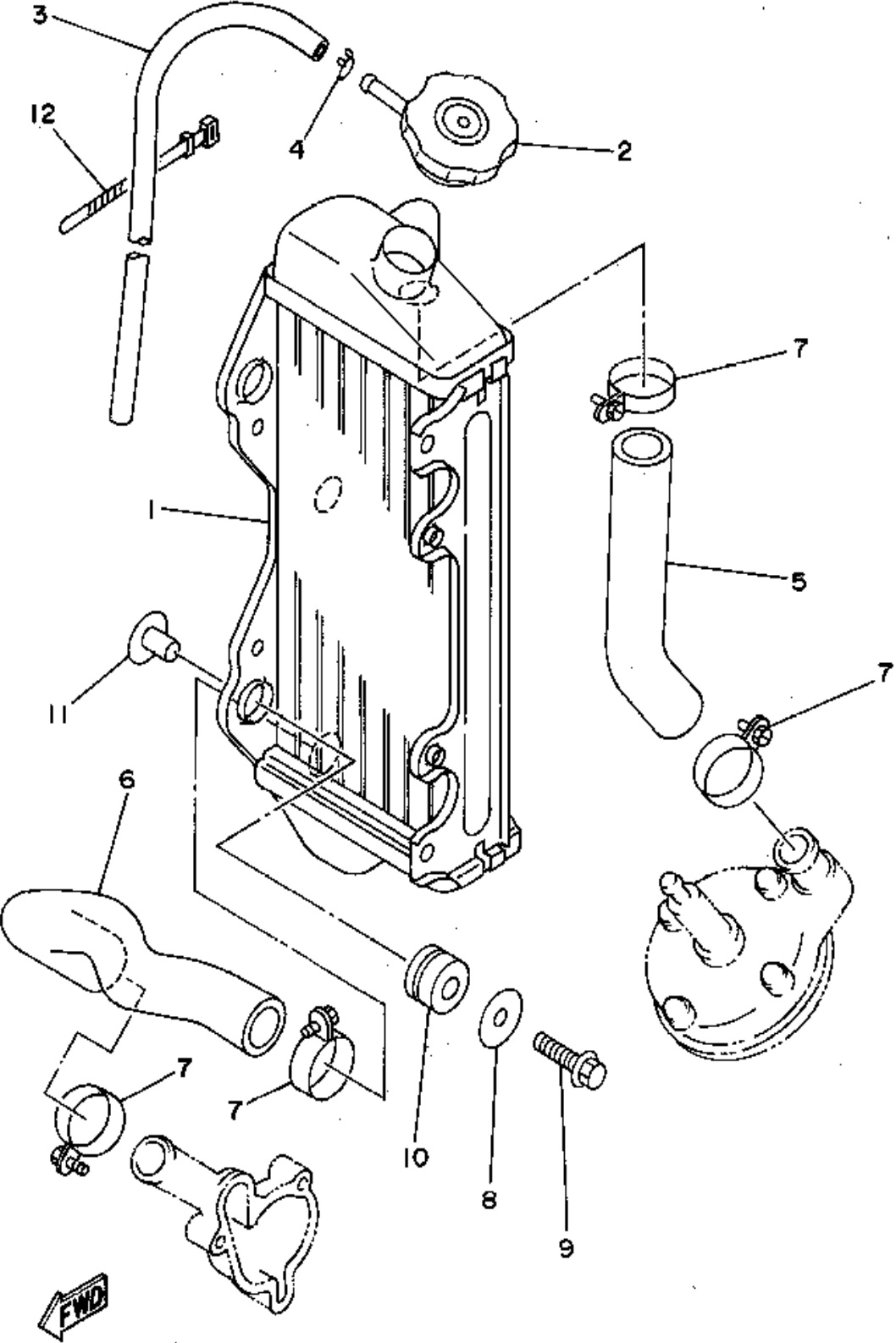


4ES1100-3030

WATER PUMP

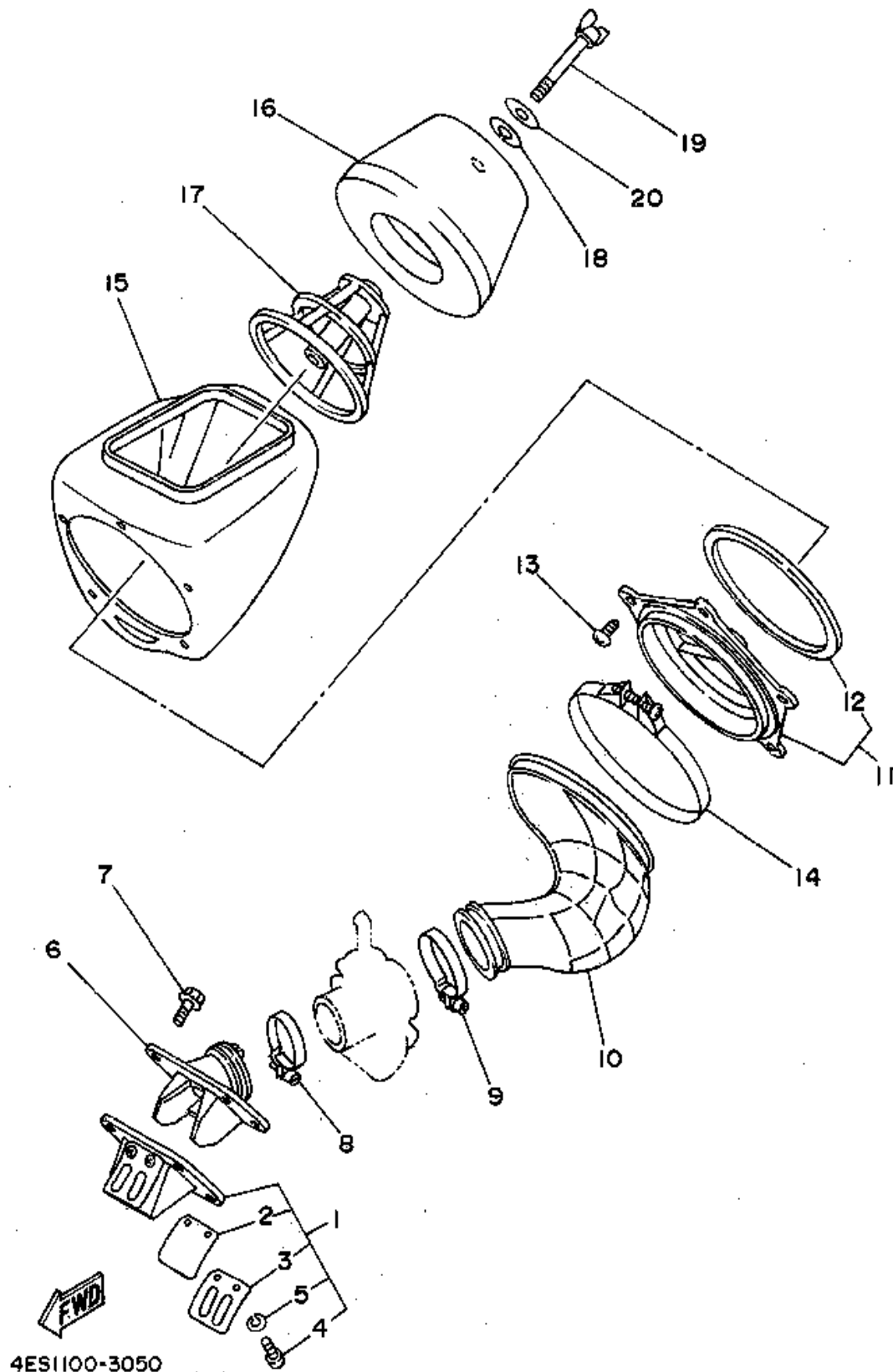
Ref. No.	Part Number	Description	Qty	Remarks
1	4ES-12459-00-00	GEAR, IMPELLER SHAFT	1	
2	36F-12450-00-00	IMPELLER SHAFT ASSEMBLY	1	
3	93103-10168-00	OIL SEAL	1	
4	90201-08512-00	WASHER, PLATE	2	
5	93603-22028-00	PIN, DOWEL	1	
6	99080-07600-00	CIRCLIP (E)	1	
7	4BA-12422-00-00	COVER, HOUSING	1	
8	4BA-12428-00-00	GASKET, HOUSING COVER 2 .	1	
9	90430-06166-00	GASKET	1	
10	95811-06060-00	BOLT, FLANGE	1	
11	95023-06025-00	BOLT, FLANGE	2	

RADIATOR - HOSE



4ES1100-3040

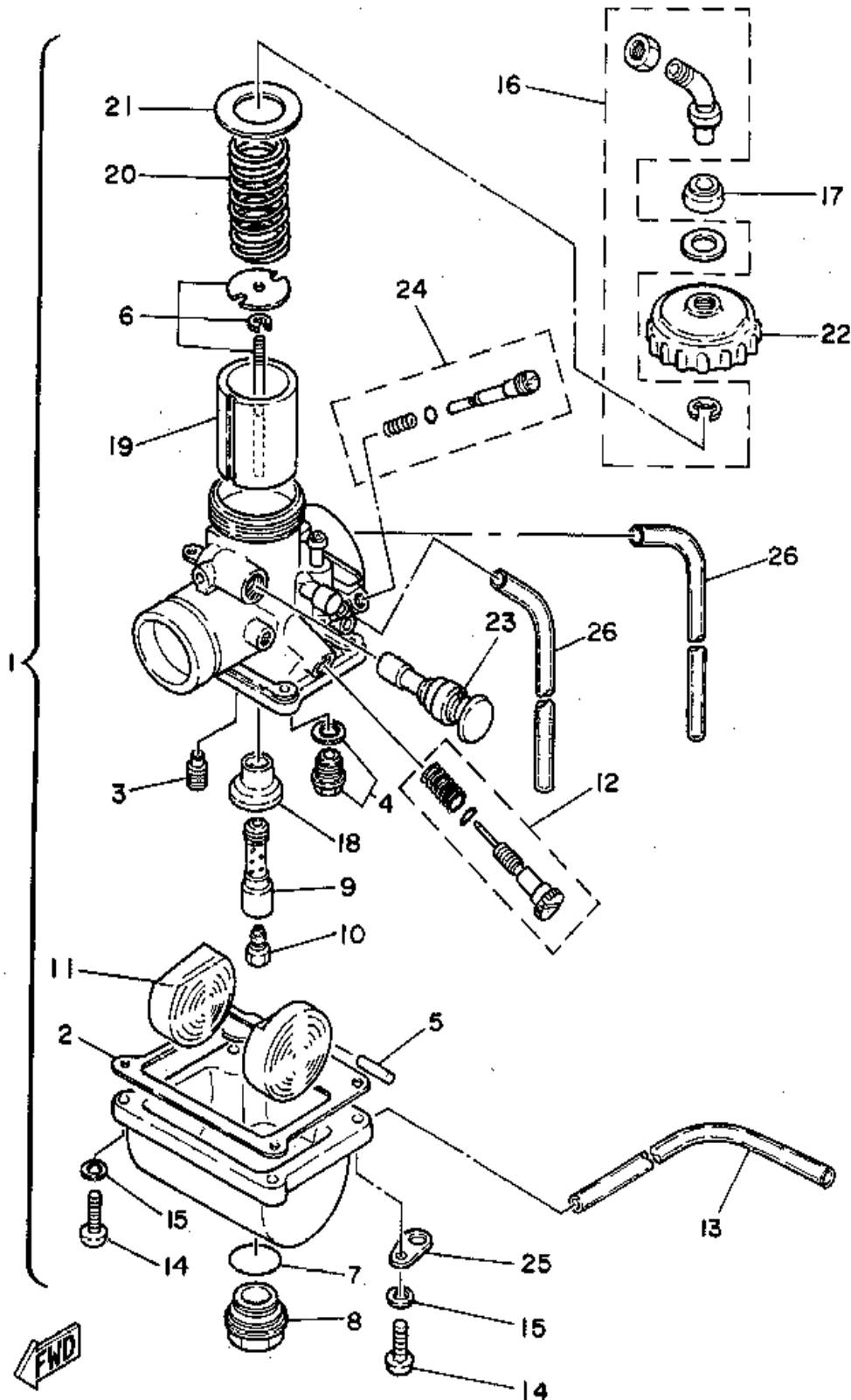
Ref. No.	Part Number	Description	Qty	Remarks
1	4ES-12461-00-00	RADIATOR ASSEMBLY	1	
2	22W-12462-00-00	CAP, RADIATOR	1	
3	22W-12463-00-00	PIPE, BREATHER	1	
4	90467-08004-00	CLIP	1	
5	4ES-12481-00-00	PIPE 1	1	
6	4ES-12482-00-00	PIPE 2	1	
7	90450-28014-00	HOSE CLAMP ASSEMBLY ...	4	
8	90201-06067-00	WASHER, PLATE	3	
9	95023-06030-00	BOLT, FLANGE (95021-06030) .	3	
10	90480-15528-00	GROMMET	3	
11	90387-0700G-00	COLLAR	3	
12	437-83936-01-00	BAND, SWITCH CORD	1	



INTAKE

Ref. No.	Part Number	Description	Qty	Remarks
1	4ES-13610-00-00	REED VALVE ASSEMBLY	1	
2	4ES-13613-00-00	. REED, VALVE	2	
3	4ES-13616-00-00	. STOPPER, REED VALVE	2	
4	98580-03008-00	. SCREW, PAN HEAD	4	
5	92990-03100-00	. WASHER, SPRING (92901-03100)	4	
6	4ES-13565-00-00	JOINT, CARBURETOR	1	
7	95023-06020-00	BOLT, FLANGE	4	
8	90460-43053-00	CLAMP, HOSE	1	
9	90460-51059-00	CLAMP, HOSE	1	
10	4ES-14453-00-00	JOINT, AIR CLEANER 1	1	
11	4ES-14459-00-00	HOLDER, GUIDE	1	
12	4ES-14462-00-00	. SEAL	1	
13	90167-05031-00	SCREW, TAPPING	5	
14	90450-99064-00	HOSE CLAMP ASSEMBLY . . .	1	
15	4ES-14411-00-00	CASE, AIR CLEANER 1	1	
16	4ES-14451-00-00	ELEMENT, AIR CLEANER	1	
17	4ES-14458-00-00	GUIDE	1	
18	90209-06096-00	WASHER	1	
19	90122-06034-00	BOLT, WING	1	
20	92995-06100-00	WASHER, SPRING	1	

CARBURETOR

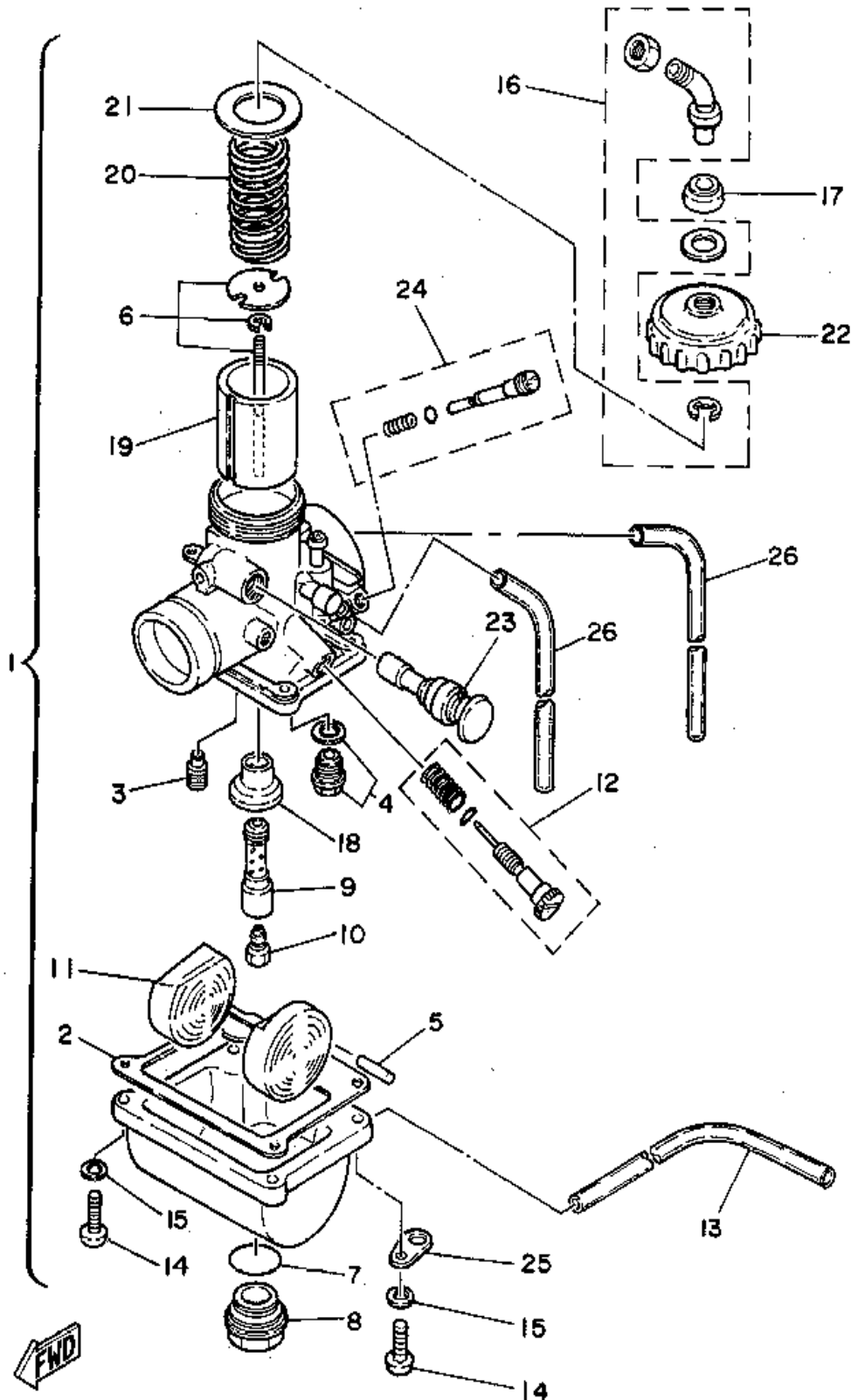


4ES1100-3060

Ref. No.	Part Number	Description	Qty	Remarks
1	4ES-14101-01-00	CARBURETOR ASSEMBLY 1	1	
2	304-14184-00-00	. GASKET, FLOAT CHAMBER	1	
3	260-14142-30-00	. JET, PILOT (# 30)	1	AP
	260-14142-35-00	. JET, PILOT (# 35)	1	STD
	260-14142-40-00	. JET, PILOT (# 40)	1	AP
4	23L-14107-25-00	. NEEDLE VALVE SET	1	
5	127-14186-00-00	. PIN, FLOAT	1	
6	58T-1490J-00-00	. NEEDLE SET	1	
7	93210-18288-00	. O-RING	1	
8	3R1-14115-00-00	. PLUG, SCREW	1	
9	3R1-14141-50-00	. NOZZLE, MAIN	1	AP
	3R1-14141-52-00	. NOZZLE, MAIN	1	STD
	3R1-14141-54-00	. NOZZLE, MAIN	1	AP
10	137-14143-56-A0	. JET, MAIN (# 280)	1	AP
	137-14143-58-A1	. JET, MAIN (# 290)	1	STD
	137-14143-60-A0	. JET, MAIN (# 300)	1	AP
11	314-14185-00-00	. FLOAT	1	
12	31J-14103-00-00	. THROTTLE SCREW SET	1	
13	278-14197-00-00	. PIPE	1	
14	98511-04016-00	. SCREW, PAN HEAD	4	
15	92901-04100-00	. WASHER, SPRING	4	
16	22W-14106-00-00	. CABLE ADJUST SCREW SET	1	
17	3X3-14169-00-00	. CAP	1	
18	39K-14153-00-00	. WASHER, MAIN JET	1	
19	2X6-14112-25-00	. VALVE, THROTTLE 1	1	AP
	2X6-14112-30-00	. VALVE, THROTTLE 1	1	STD
	2X6-14112-35-00	. VALVE, THROTTLE 1	1	AP
20	248-14131-00-00	. SPRING, THROTTLE VALVE	1	
21	2A6-14126-00-00	. GASKET	1	

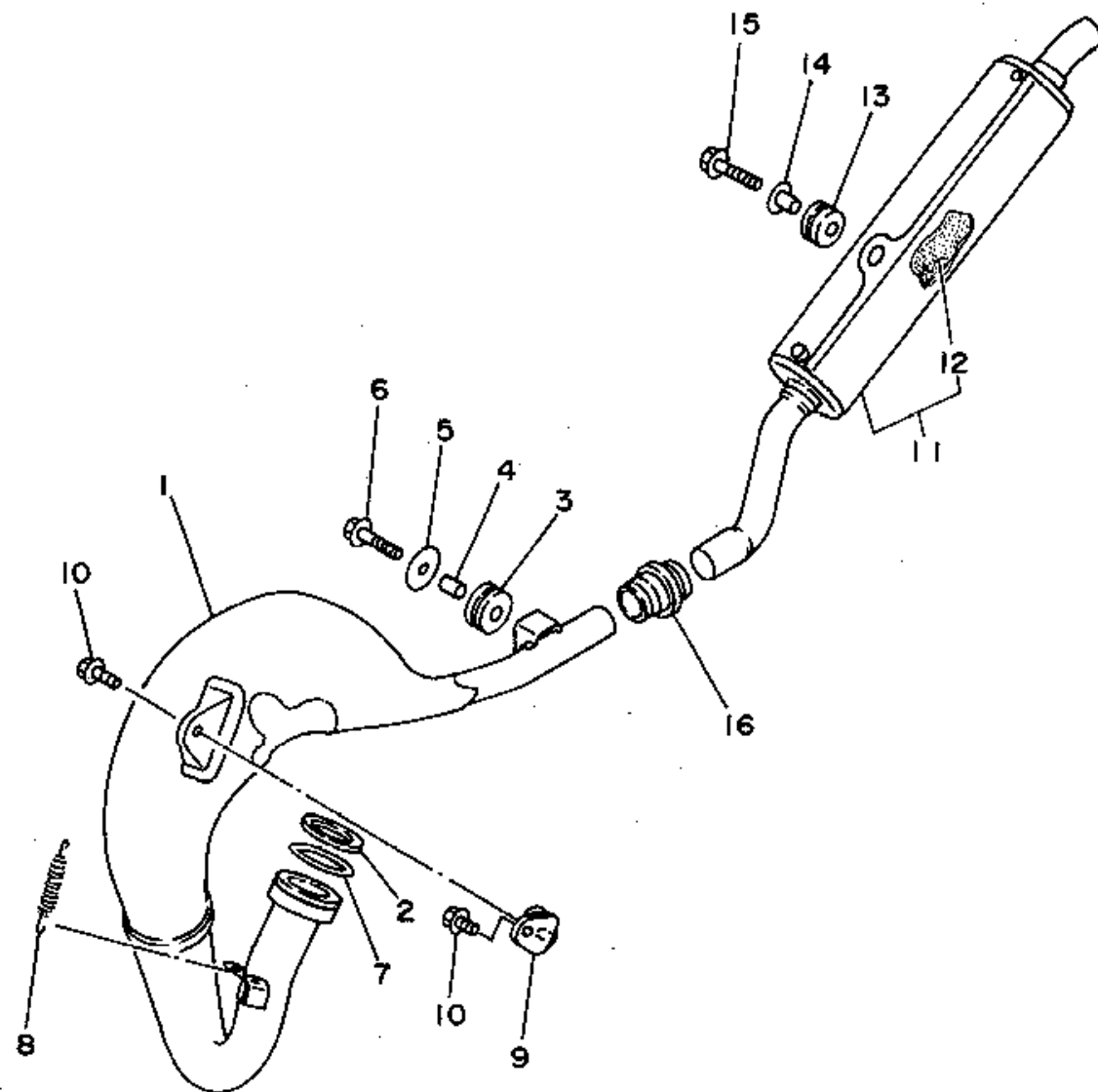
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CARBURETOR



4ES1100-3060

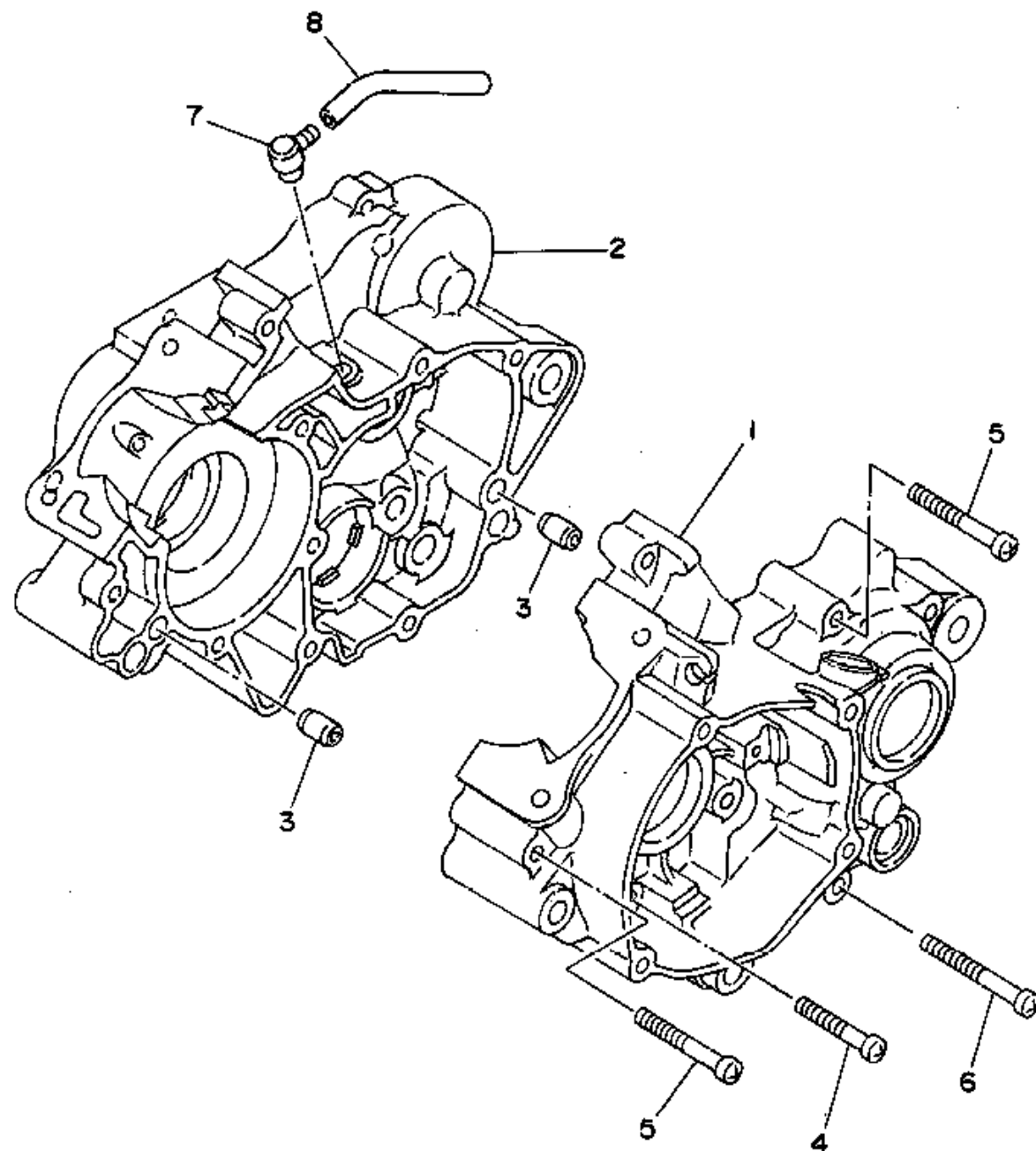
Ref. No.	Part Number	Description	Qty	Remarks
22	2A6-14158-00-00	. TOP, MIXING CHAMBER	1	
23	3SB-14171-00-00	. PLUNGER, STARTER	1	
24	10W-14104-00-00	. AIR SCREW SET	1	
25	132-14146-00-00	. PLATE	1	
26	55X-14196-00-00	. PIPE	2	



4ES3100-4070

EXHAUST

Ref. No.	Part Number	Description	Qty	Remarks
1	4ES-14610-00-00	EXHAUST PIPE ASSEMBLY 1 .	1	
2	90201-34683-00	WASHER, PLATE (90201-33299-00)	1	
3	90480-18411-00	GROMMET	1	
4	90387-105L0-00	COLLAR	1	
5	90201-060A3-00	WASHER, PLATE	1	
6	95023-06025-00	BOLT, FLANGE	1	
7	93210-371A9-00	O-RING	1	
8	90507-20030-00	SPRING, TENSION	1	
9	565-14771-00-00	STAY, MUFFLER 1	1	
10	95023-06012-00	BOLT, FLANGE	2	
11	4ES-14753-00-00	SILENCER, EXHAUST	1	
12	4ES-1469A-00-00	. FIBER	1	
13	90480-16561-00	GROMMET	1	
14	90387-063G3-00	COLLAR	1	
15	95023-06025-00	BOLT, FLANGE	1	
16	17W-14615-00-00	JOINT, EXHAUST 1	1	

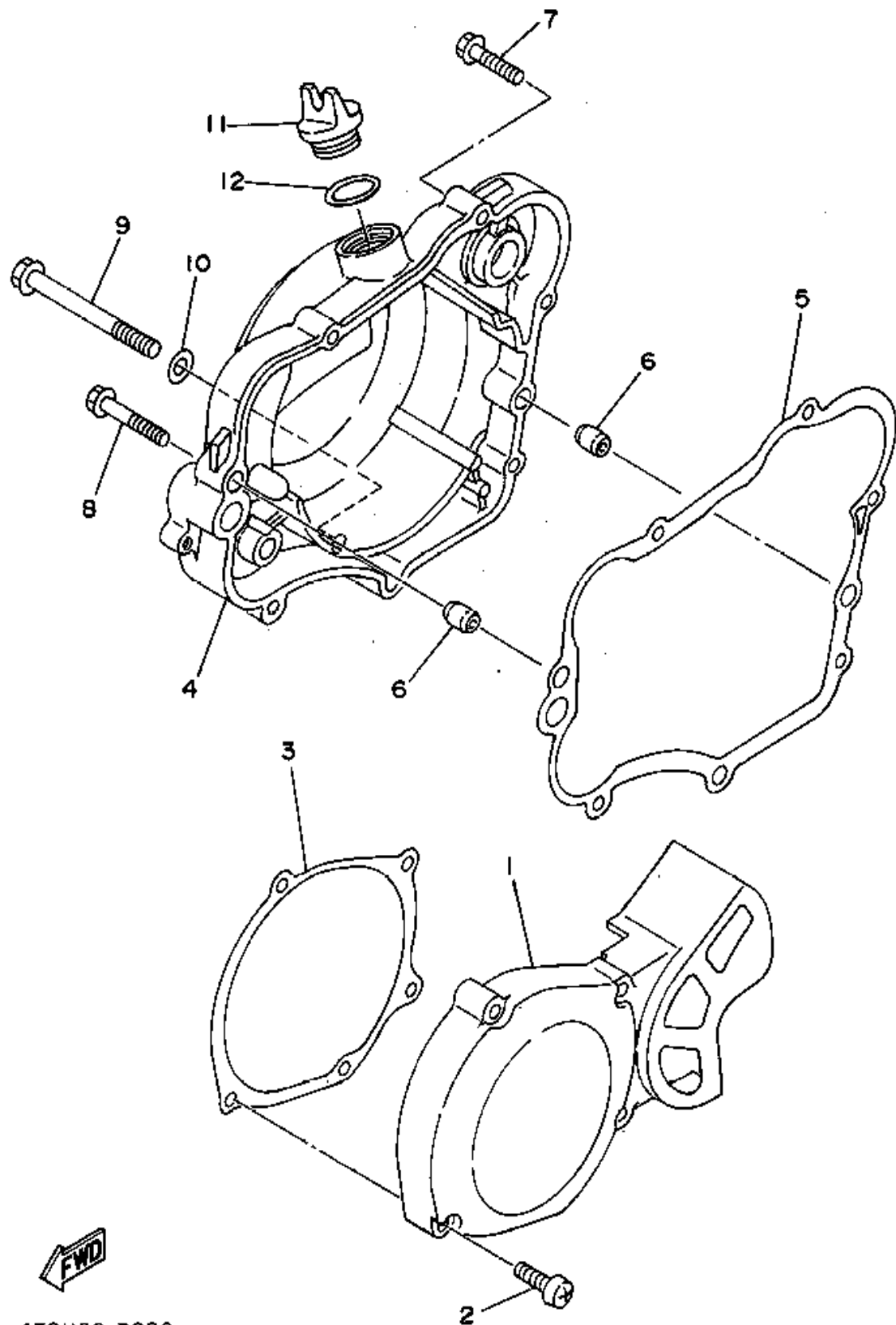


CRANKCASE

Ref. No.	Part Number	Description	Qty	Remarks
1	4ES-15111-00-00	CRANKCASE 1	1	
2	4ES-15121-01-00	CRANKCASE 2	1	
3	99530-10014-00	PIN, DOWEL	2	
4	98580-06040-00	SCREW, pan head (92501-06040-00)	3	
5	98580-06550-00	SCREW PAN HEAD (92503-06050)	5	
6	92580-06560-00	SCREW PAN HEAD	3	
7	583-15371-00-00	BREATHER	1	
8	90446-07349-00	HOSE	1	



4ES1100-3080

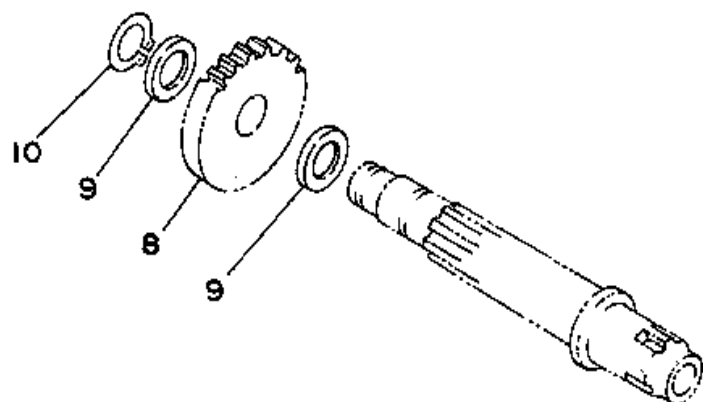
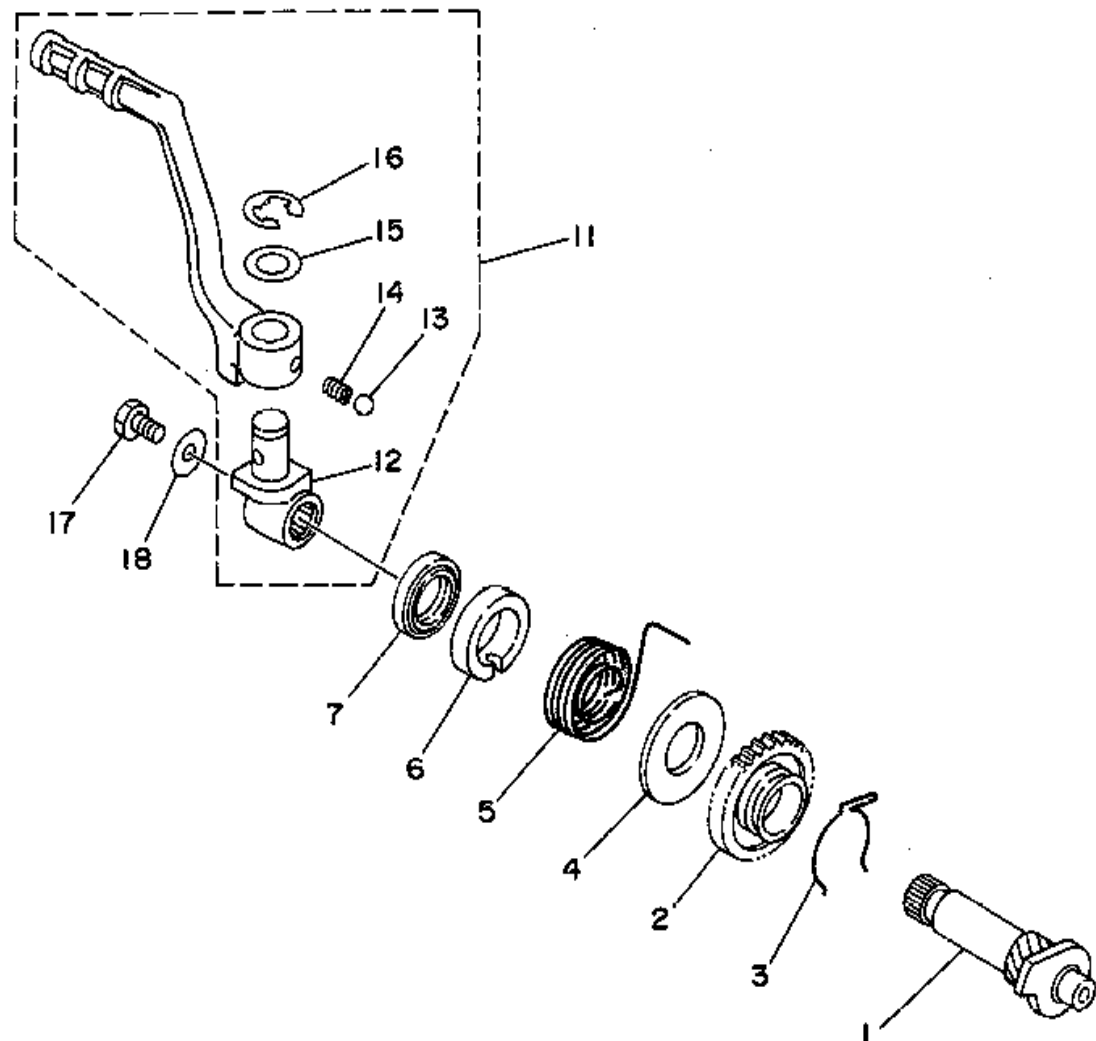


CRANKCASE COVER 1

Ref. No.	Part Number	Description	Qty	Remarks
1	4ES-15411-00-00	COVER, CRANKCASE 1	1	
2	98580-06030-00	SCREW PAN HEAD	4	
3	4ES-15451-00-00	GASKET, CRANKCASE COVER 1	1	
4	4ES-15421-00-00	COVER, CRANKCASE 2	1	
5	4ES-15461-00-00	GASKET, CRANKCASE COVER 2	1	
6	99530-10014-00	PIN, DOWEL	2	
7	95023-06030-00	BOLT, FLANGE (95021-06030)	4	
8	95023-06040-00	BOLT, FLANGE (1YW)	1	
9	95021-08080-00	BOLT, FLANGE	1	
10	90201-08087-00	WASHER, PLATE	1	
11	1RG-15363-00-00	PLUG, OIL	1	
12	93210-19123-00	O-RING	1	



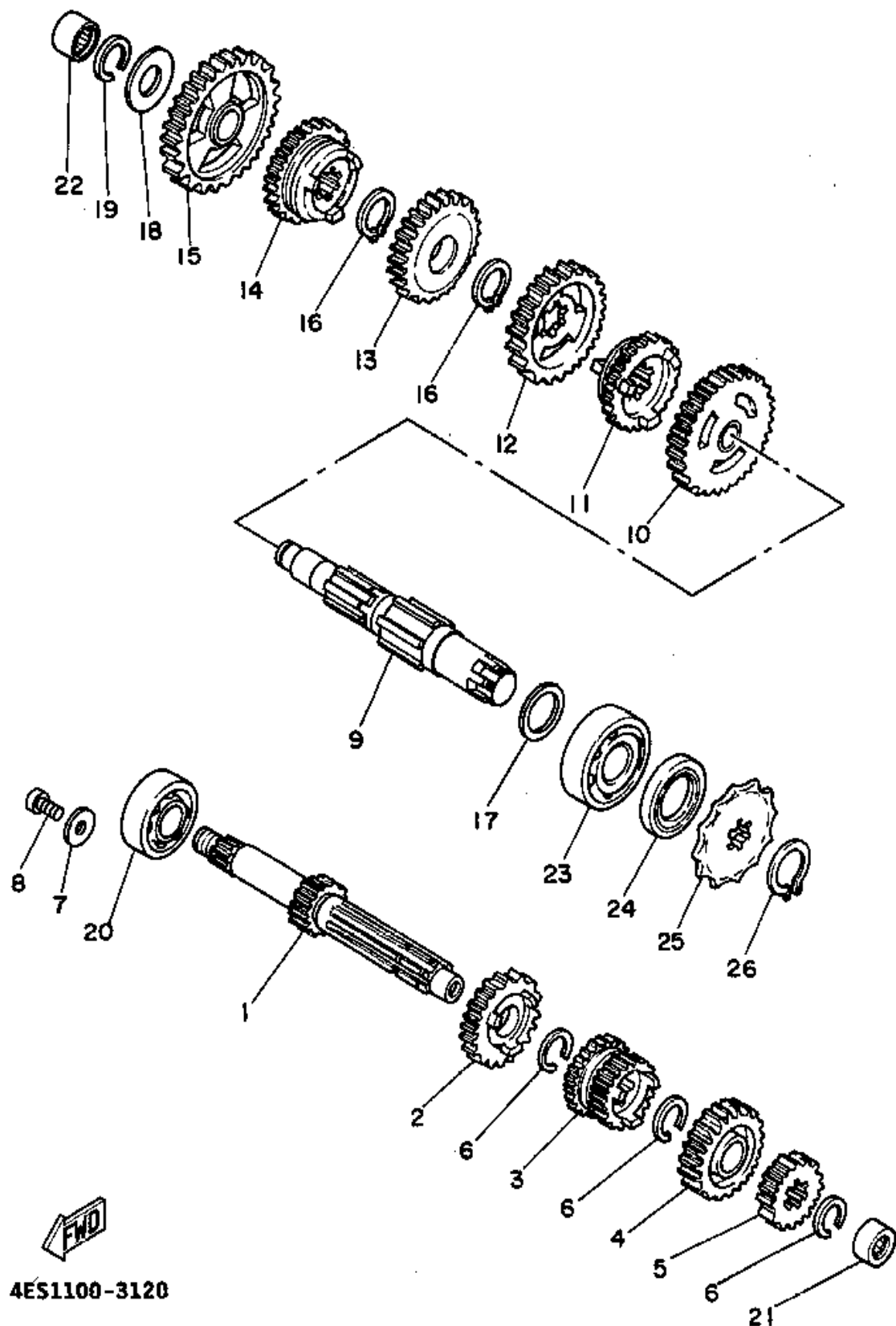
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4ES1100-3100

STARTER

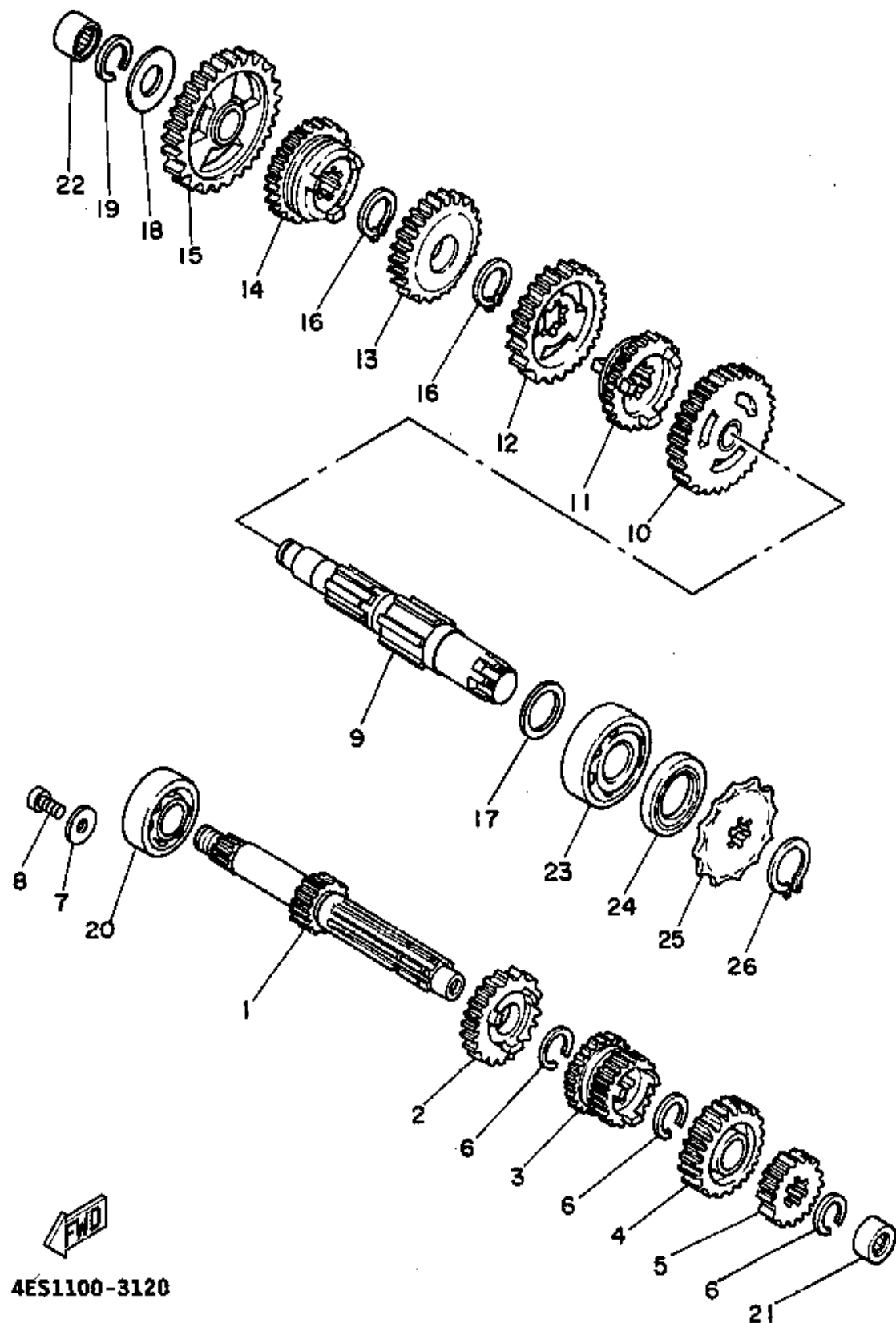
Ref. No.	Part Number	Description	Qty	Remarks
1	4ES-15660-00-00	KICK AXLE ASSEMBLY	1	
2	4ES-15641-00-00	GEAR, KICK	1	
3	90468-23194-00	CLIP	1	
4	90201-176L4-00	WASHER, PLATE	1	
5	90508-26750-00	SPRING, TORSION	1	
6	4ES-15664-00-00	GUIDE, SPRING	1	
7	93102-17263-00	OIL SEAL	1	
8	4ES-15651-00-00	GEAR, KICK IDLE	1	
9	90201-124F8-00	WASHER, PLATE	2	
10	99009-12400-00	CIRCLIP	1	
11	4ES-15620-00-00	KICK CRANK ASSEMBLY	1	
12	4ES-15621-00-00	. BOSS, KICK CRANK	1	
13	93507-32031-00	. BALL	1	
14	90501-12081-00	. SPRING, COMPRESSION	1	
15	90201-12631-00	. WASHER, PLATE	1	
16	93430-08007-00	. CIRCLIP	1	
17	95023-06012-00	BOLT, FLANGE	1	
18	90201-065F3-00	WASHER, PLATE	1	



TRANSMISSION

Ref. No.	Part Number	Description	Qty	Remarks
1	4ES-17411-00-00	AXLE, MAIN	1	
2	4ES-17151-00-00	GEAR, 5TH PINION	1	
3	4ES-17131-00-00	GEAR, 3RD PINION	1	
4	4ES-17161-00-00	GEAR, 6TH PINION	1	
5	4ES-17121-00-00	GEAR, 2ND PINION	1	
6	93440-17064-00	CIRCLIP	3	
7	90201-065F3-00	WASHER, PLATE	2	
8	90157-06071-00	SCREW, PAN HEAD	2	
9	4ES-17421-00-00	AXLE, DRIVE	1	
10	4ES-17221-00-00	GEAR, 2ND WHEEL	1	
11	4ES-17261-00-00	GEAR, 6TH WHEEL	1	
12	4ES-17231-00-00	GEAR, 3RD WHEEL	1	
13	4ES-17241-00-00	GEAR, 4TH WHEEL	1	
14	4ES-17251-00-00	GEAR, 5TH WHEEL	1	
15	4ES-17211-01-00	GEAR, 1ST WHEEL	1	
16	93410-20038-00	CIRCLIP	2	
17	90201-203E7-00	WASHER, PLATE	1	
18	164-17427-00-06	SHIM 1 (0.6T)	1	
19	93440-15012-00	CIRCLIP	1	
20	93306-20333-00	BEARING	1	
21	93317-11245-00	BEARING	1	
22	93315-31502-00	BEARING	1	
23	93306-20421-00	BEARING	1	
24	93102-20143-00	OIL SEAL	1	
25	93822-12012-00	SPROCKET, DRIVE 12T (1741746120)	1	AP
	93822-13024-00	SPROCKET, DRIVE 13T (1741746130)	1	STD
	93822-14037-00	SPROCKET, DRIVE 14T (1741746140)	1	STD

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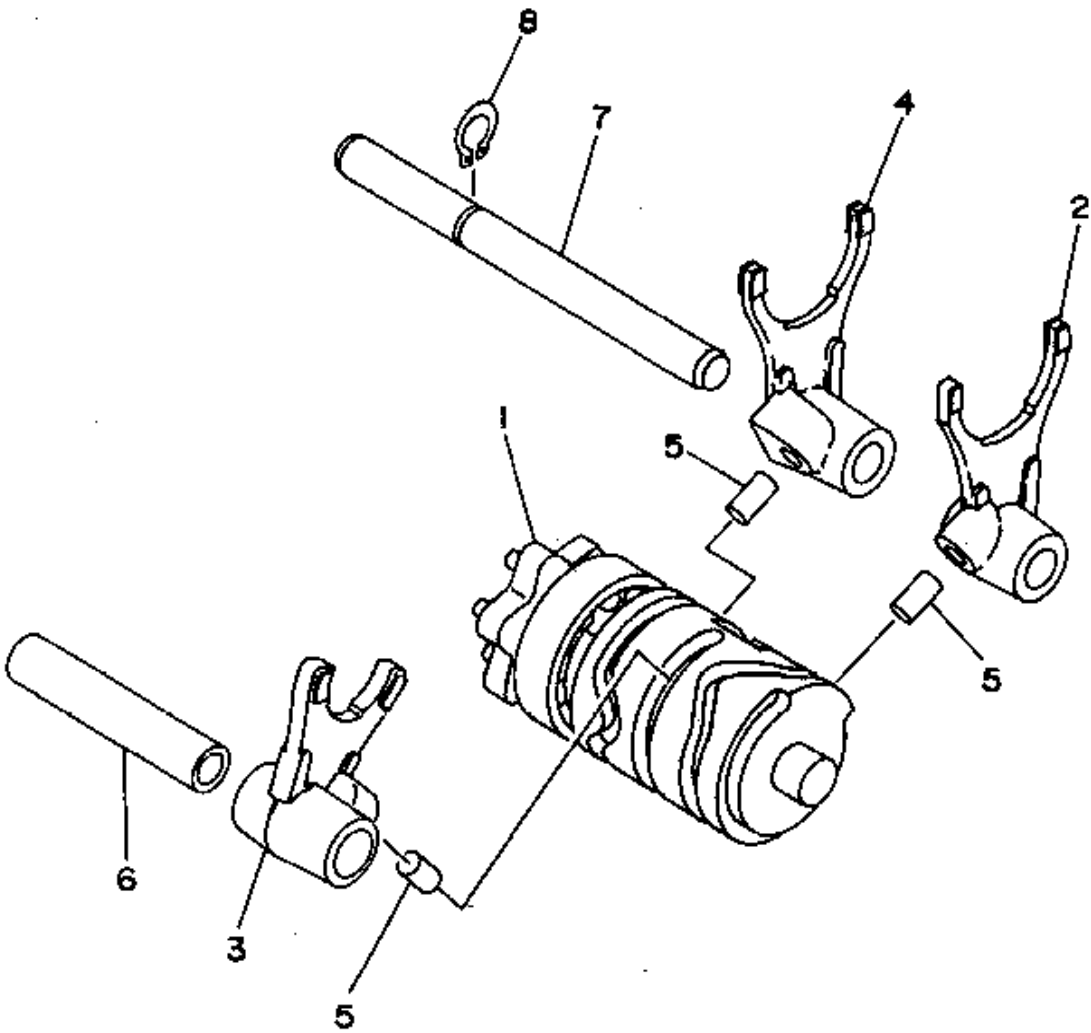
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TRANSMISSION

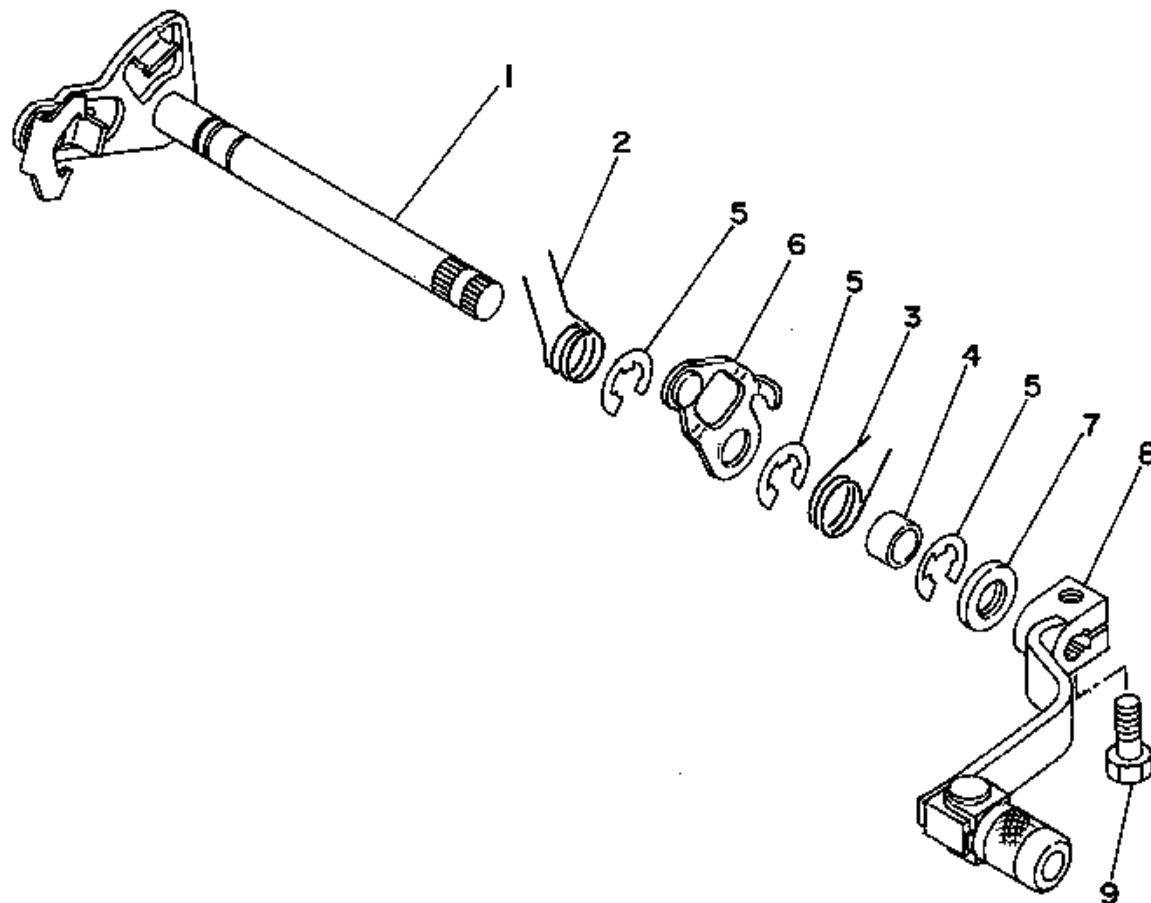
Ref. No.	Part Number	Description	Qty	Remarks
25	93822-15065-00	SPROCKET, DRIVE 15T (1741746150)	1	AP
26	99009-18400-00	CIRCLIP	1	

SHIFT CAM - SHIFT FORK

Ref. No.	Part Number	Description	Qty	Remarks
1	4ES-18540-00-00	SHIFT CAM ASSEMBLY	1	
2	4ES-18511-00-00	FORK, SHIFT 1	1	
3	4V0-18512-00-00	FORK, SHIFT 2	1	
4	4ES-18513-00-00	FORK, SHIFT 3	1	
5	90250-06013-00	PIN, STRAIGHT	3	
6	4BA-18531-00-00	BAR, SHIFT FORK GUIDE 1 ...	1	
7	4BA-18535-00-00	BAR, SHIFT FORK GUIDE 2 ...	1	
8	99009-10400-00	CIRCLIP	1	



4ES3100-4130

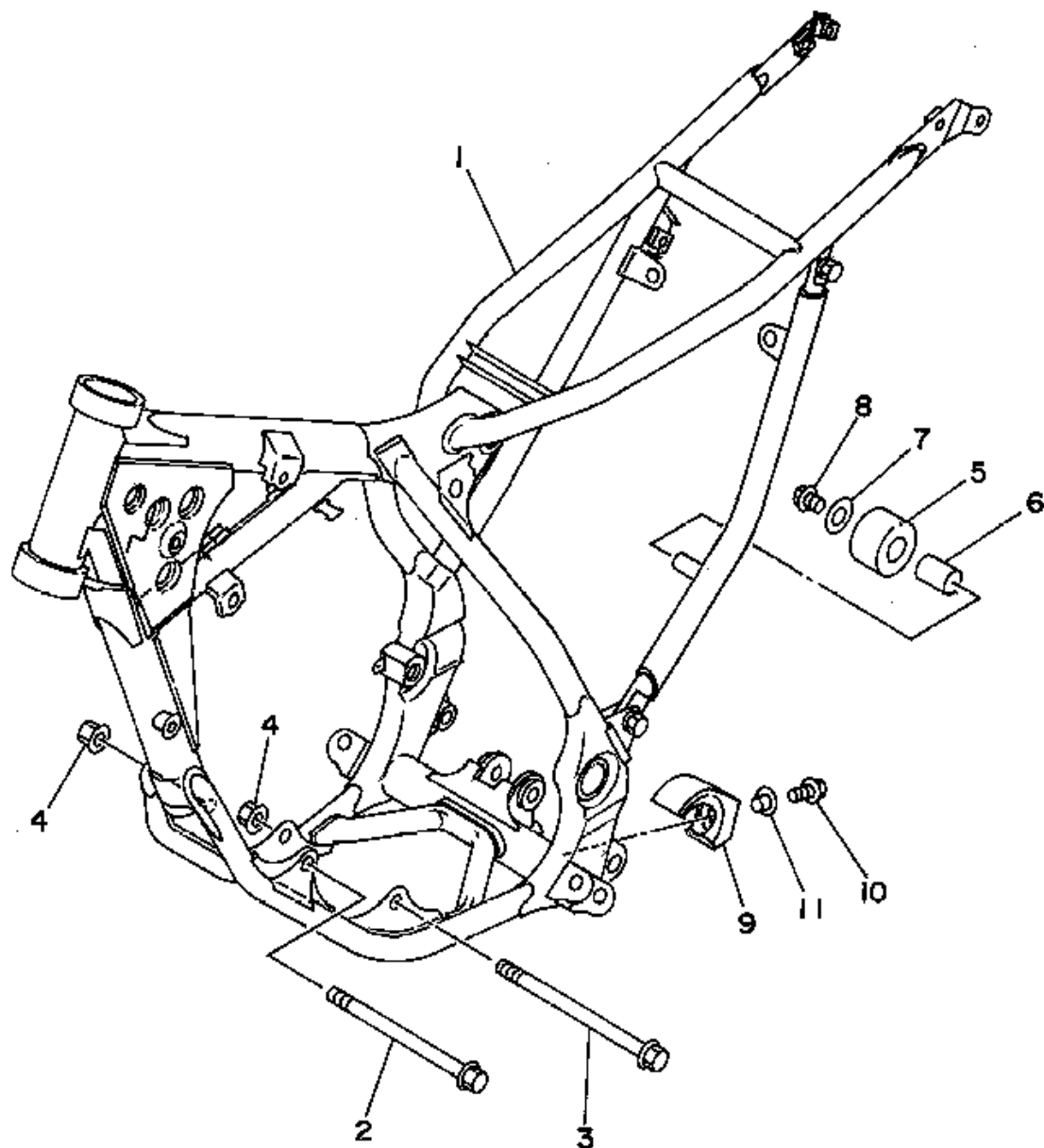


SHIFT SHAFT

Ref. No.	Part Number	Description	Qty	Remarks
1	4ES-18101-00-00	SHIFT SHAFT ASSEMBLY	1	
2	90508-32553-00	SPRING, TORSION	1	
3	90508-242A6-00	SPRING, TORSION	1	
4	90387-126Y7-00	COLLAR	1	
5	99006-10600-00	CIRCLIP	3	
6	4BA-18140-00-00	STOPPER LEVER ASSEMBLY .	1	
7	93101-12060-00	OIL SEAL	1	
8	2HF-18110-01-00	SHIFT PEDAL ASSEMBLY	1	
9	97011-06020-00	BOLT	1	



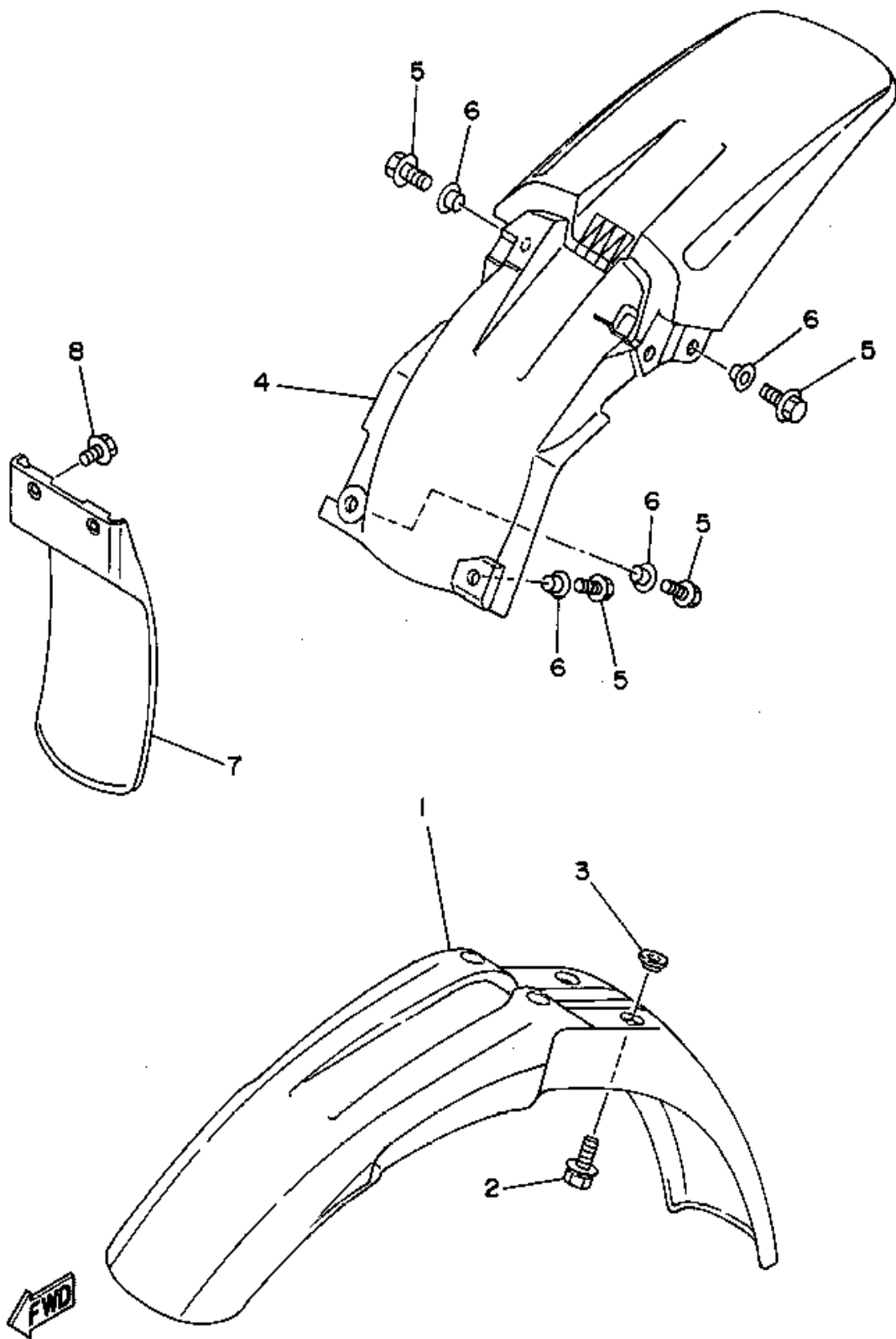
4ES1100-3140



4ES1100-3150

FRAME

Ref. No.	Part Number	Description	Qty	Remarks
1	4ES-21110-01-P0	FRAME COMP.	1	DEEP VIOLET SOLID 1
2	95811-08125-00	BOLT, FLANGE (91011-08125-00)	1	
3	95811-08135-00	BOLT, flange	1	
4	95601-08200-00	NUT, U	2	
5	30X-22178-00-00	TENSIONER	1	
6	4V4-22184-00-00	BUSH	1	
7	90201-081R9-00	WASHER, PLATE	1	
8	95023-08012-00	BOLT	1	
9	4ES-22178-00-00	TENSIONER	1	
10	90119-06118-00	BOLT, WITH WASHER	1	
11	90387-06216-00	COLLAR	1	

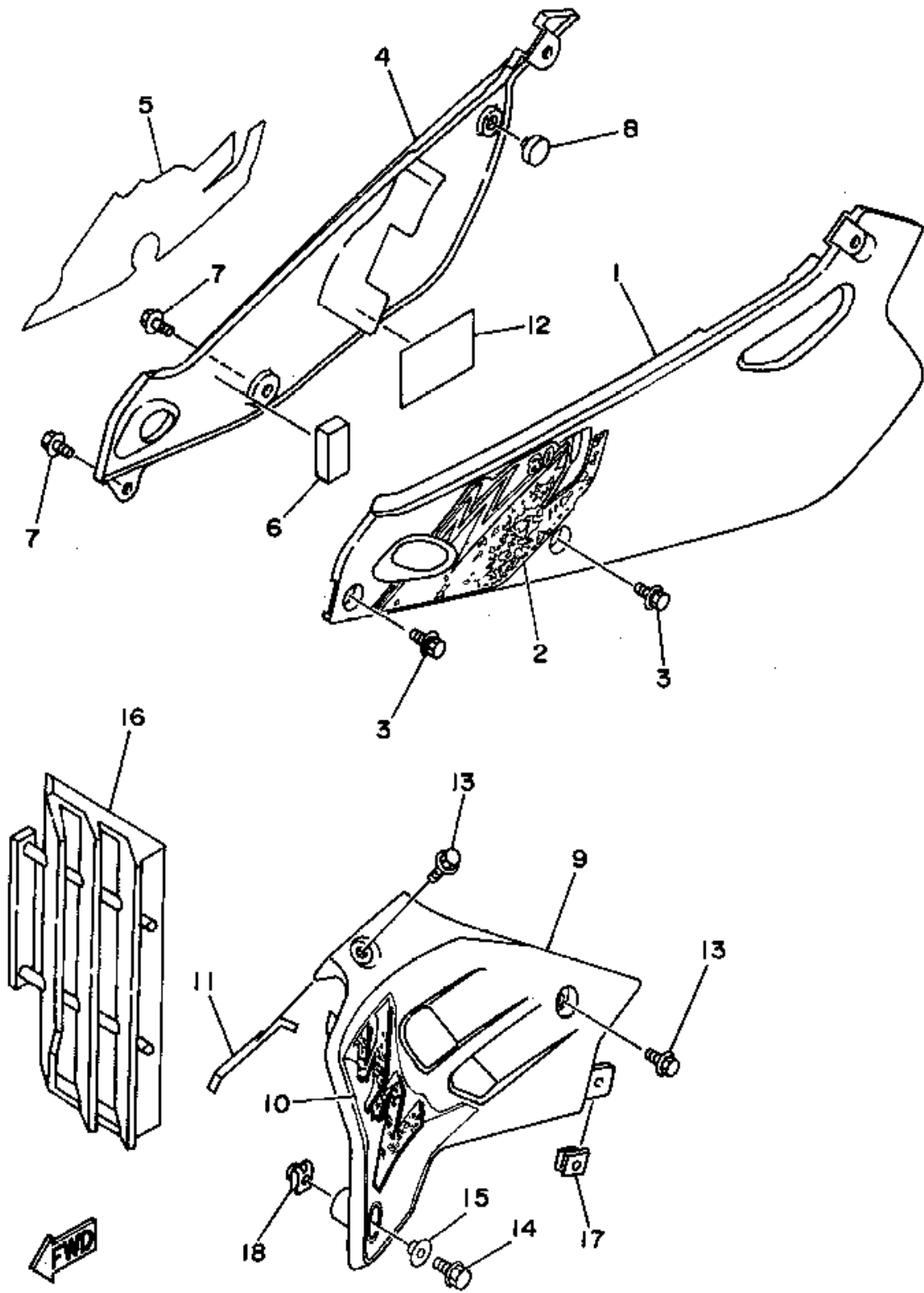


4ES1100-3160

FENDER

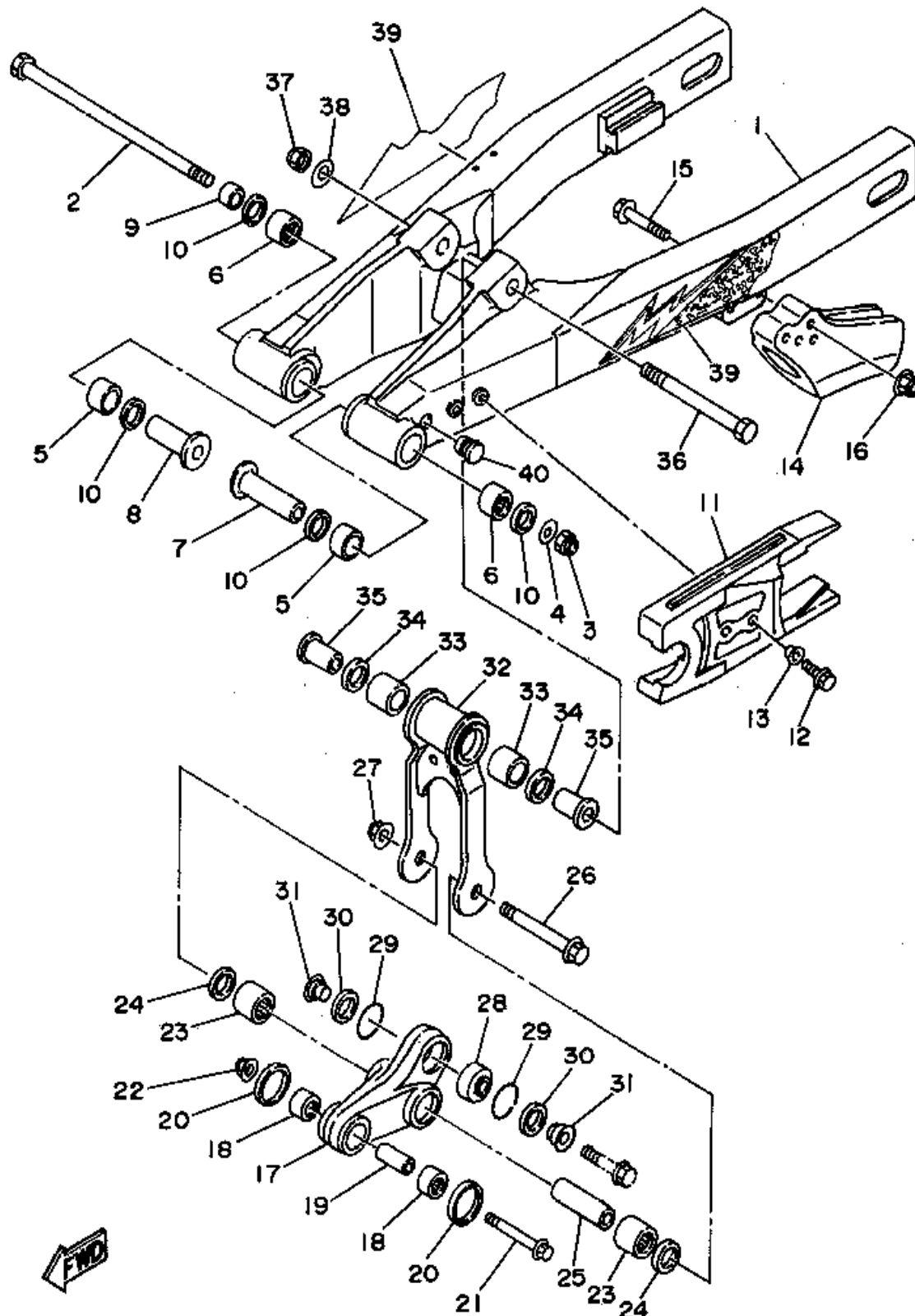
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1	4ES-21511-00-00	FENDER, FRONT	1	
2	90119-06063-00	BOLT, WITH WASHER	4	
3	90209-06187-00	WASHER	4	
4	4ES-21611-00-00	FENDER, REAR	1	
5	90105-06707-00	BOLT (95023-06016-00)	4	
6	90387-064X4-00	COLLAR	4	
7	4ES-21642-00-00	GUARD, FLAP	1	
8	90119-06185-00	BOLT, WITH WASHER	2	

SIDE COVER



4ES3100-4170

Ref. No.	Part Number	Description	Qty	Remarks
1	4ES-21711-00-00	COVER, SIDE 1	1	
2	4ES-2173E-00-00	GRAPHIC 1	1	
3	90119-06217-00	BOLT, WITH WASHER	2	
4	4ES-21721-00-00	COVER, SIDE 2	1	
5	4ES-2173F-00-00	GRAPHIC 2	1	
6	4ES-21735-00-00	SEAL 2	1	
7	90119-06217-00	BOLT, WITH WASHER	2	
8	22W-24181-00-00	DAMPER, LOCATING 1	1	
9	4ES-21731-00-00	COVER, SIDE 3	1	
10	4ES-21783-10-00	EMBLEM 3	1	
11	4ES-21732-00-00	SEAL 1	1	
12	4DJ-2174A-00-00	INSULATOR, SIDE COVER ...	1	
13	90109-067F4-00	BOLT	2	
14	90105-06707-00	BOLT (95023-06016-00)	1	
15	90387-062M9-00	COLLAR	1	
16	4EW-2172A-00-00	PANEL 1	1	
17	90183-06023-00	NUT, SPRING	1	
18	90183-06069-00	NUT, SPRING	1	

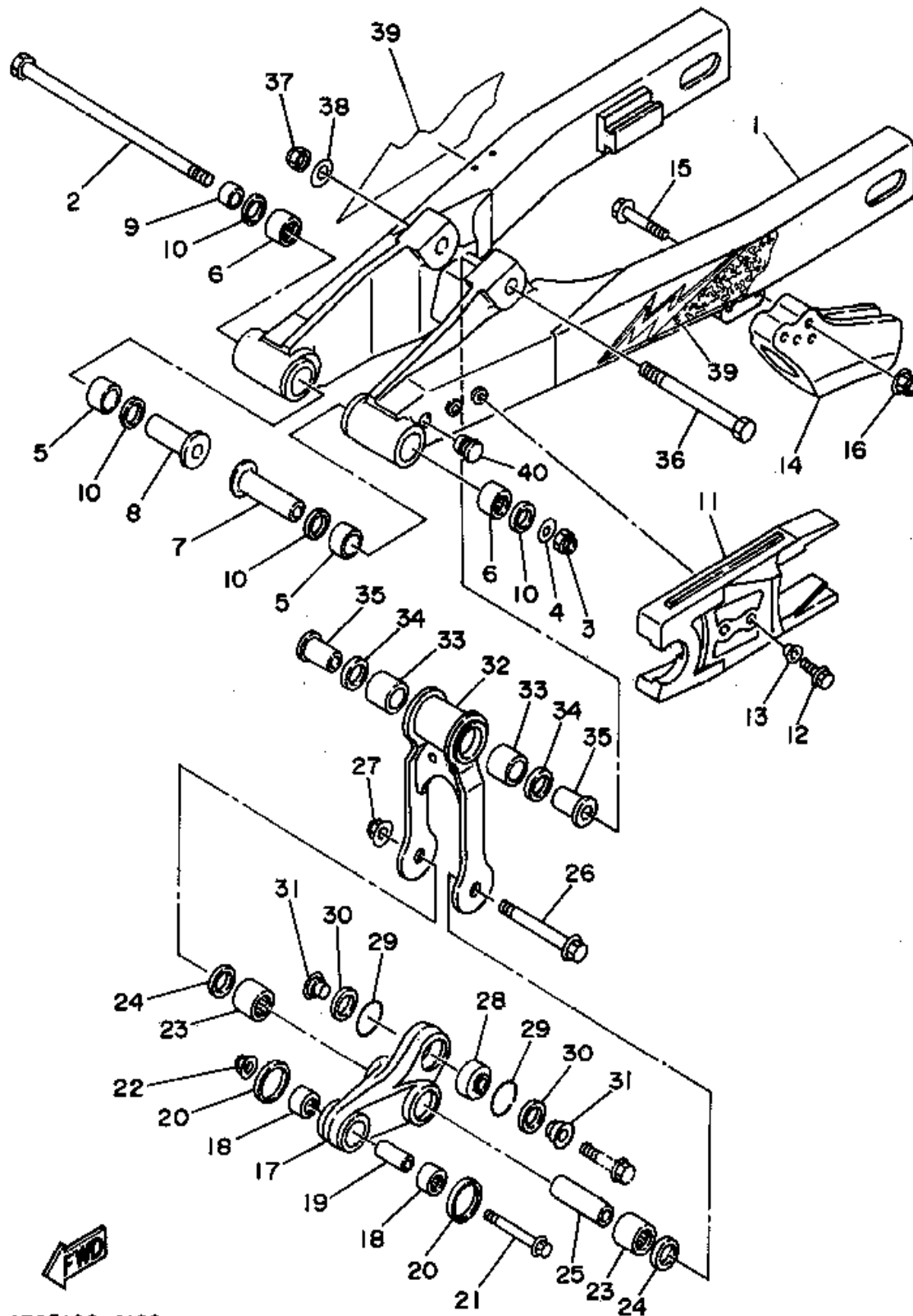


4ES3100-4180

REAR ARM

Ref. No.	Part Number	Description	Qty	Remarks
1	4ES-22110-00-00	REAR ARM COMP.	1	UR
2	22W-25181-01-00	AXLE, WHEEL	1	
3	90185-12119-00	NUT, SELF-LOCKING	1	
4	90201-124G9-00	WASHER, PLATE	1	
5	90385-17042-00	BUSH	2	
6	93317-21746-00	BEARING	2	
7	90387-127J8-00	COLLAR	1	
8	90387-127J7-00	COLLAR	1	
9	90387-1200U-00	COLLAR	1	
10	93109-17048-00	OIL SEAL (SDO 17-24-4)	4	
11	4ES-22151-00-00	SEAL, GUARD	1	
12	95021-06014-00	BOLT, FLANGE	2	
13	90387-062X0-00	COLLAR	2	
14	39K-22199-00-00	SUPPORT, CHAIN	1	
15	90105-08310-00	BOLT, WASHER BASED	2	
16	95601-08200-00	NUT, U	2	
17	4ES-2217A-00-00	ARM, RELAY	1	
18	93315-31449-00	BEARING, CYLINDRICAL	2	
19	90380-10218-00	BUSH, SOLID	1	
20	4ES-22129-00-00	COVER, THRUST 2	2	
21	90105-10582-00	BOLT, WASHER BASED	1	
22	95601-10200-00	NUT, SELF-LOCKING	1	
23	93315-31748-00	BEARING, CYLINDRICAL	2	
24	93101-17062-00	OIL SEAL	2	
25	90380-12219-00	BUSH, SOLID	1	
26	90105-12382-00	BOLT, WASHER BASED	1	
27	95601-12200-00	NUT, SELF-LOCKING	1	
28	93399-99921-00	BEARING	1	
29	93440-30113-00	CIRCLIP	2	

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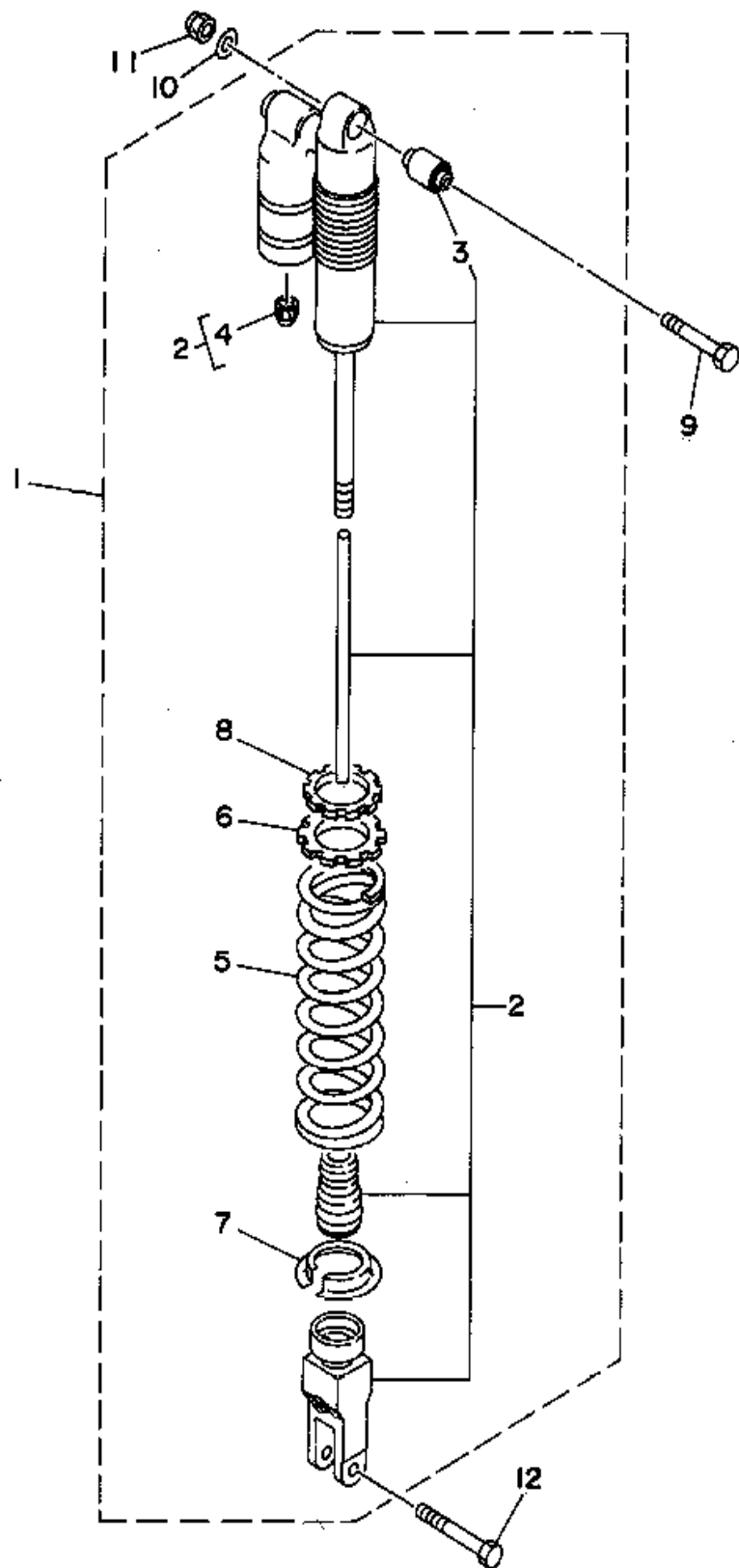


4ES3100-4180

REAR ARM

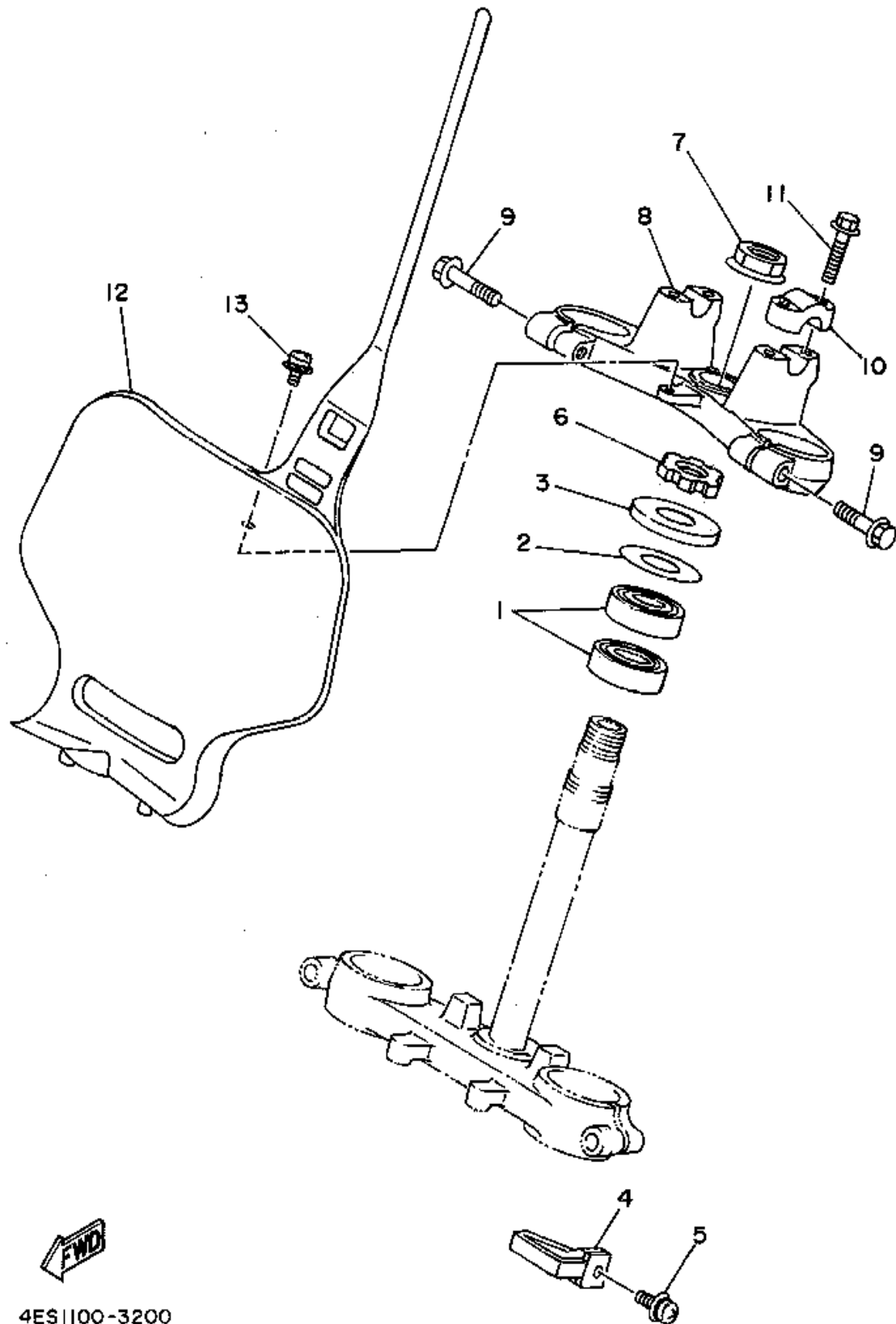
Ref. No.	Part Number	Description	Qty	Remarks
30	3XJ-22475-00-00	SEAL, DUST	2	
31	90387-103X9-00	COLLAR	2	
32	4ES-2217F-00-00	ROD, CONNECTING 1	1	
33	93315-31748-00	BEARING, CYLINDRICAL	2	
34	93101-17062-00	OIL SEAL	2	
35	90381-12091-00	BUSH, SOLID	2	
36	90101-12755-00	BOLT	1	
37	90185-12119-00	NUT, SELF-LOCKING	1	
38	90201-122A7-00	WASHER, PLATE	1	
39	4ES-22180-10-00	EMBLEM	1	
40	90338-10150-00	PLUG	2	

REAR SUSPENSION



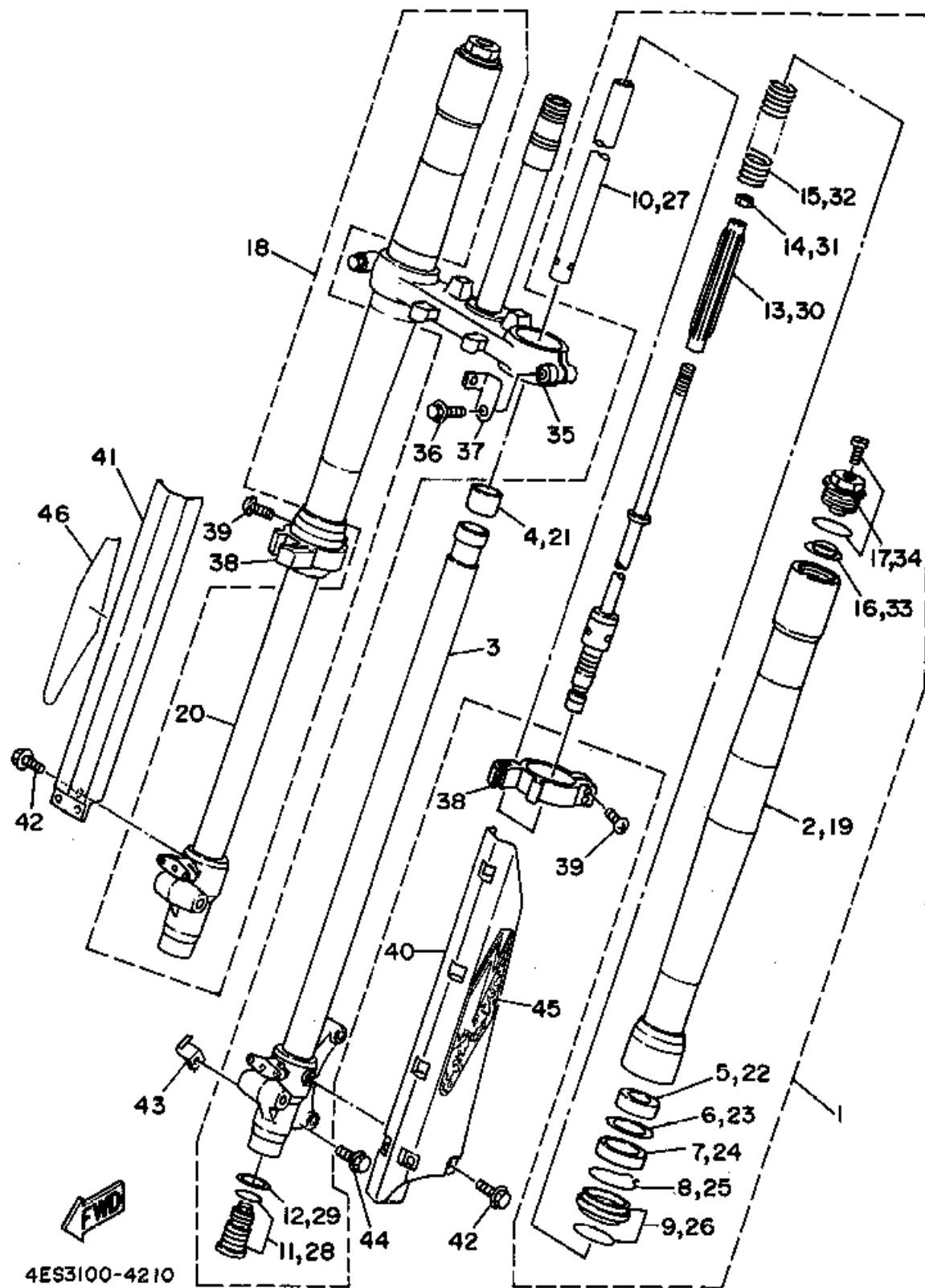
Ref. No.	Part Number	Description	Qty	Remarks
1	4ES-22210-30-00	SHOCK ABSORBER ASSEMBLY, REAR	1	UR
2	4ES-22201-30-00	. DAMPER SUB ASSEMBLY ..	1	UR
3	4ES-22216-00-00	. BUSH, REAR SHOCK ABSORBER	1	
4	58T-23184-L0-00	. . CAP, AIR VALVE	1	
5	4ES-22212-30-00	. SPRING (K=5.0)	1	UR
6	4ES-22214-00-00	. GUIDE, SPRING 1	1	
7	3JD-22214-00-00	. GUIDE, SPRING 1	1	
8	4ES-22251-00-00	. NUT 1	1	
9	90109-10729-00	BOLT	1	
10	92990-10600-00	WASHER, PLATE	1	
11	90185-10120-00	NUT, SELF-LOCKING	1	
12	90105-10614-00	BOLT, WASHER BASED	1	


4ES1100-3190



STEERING

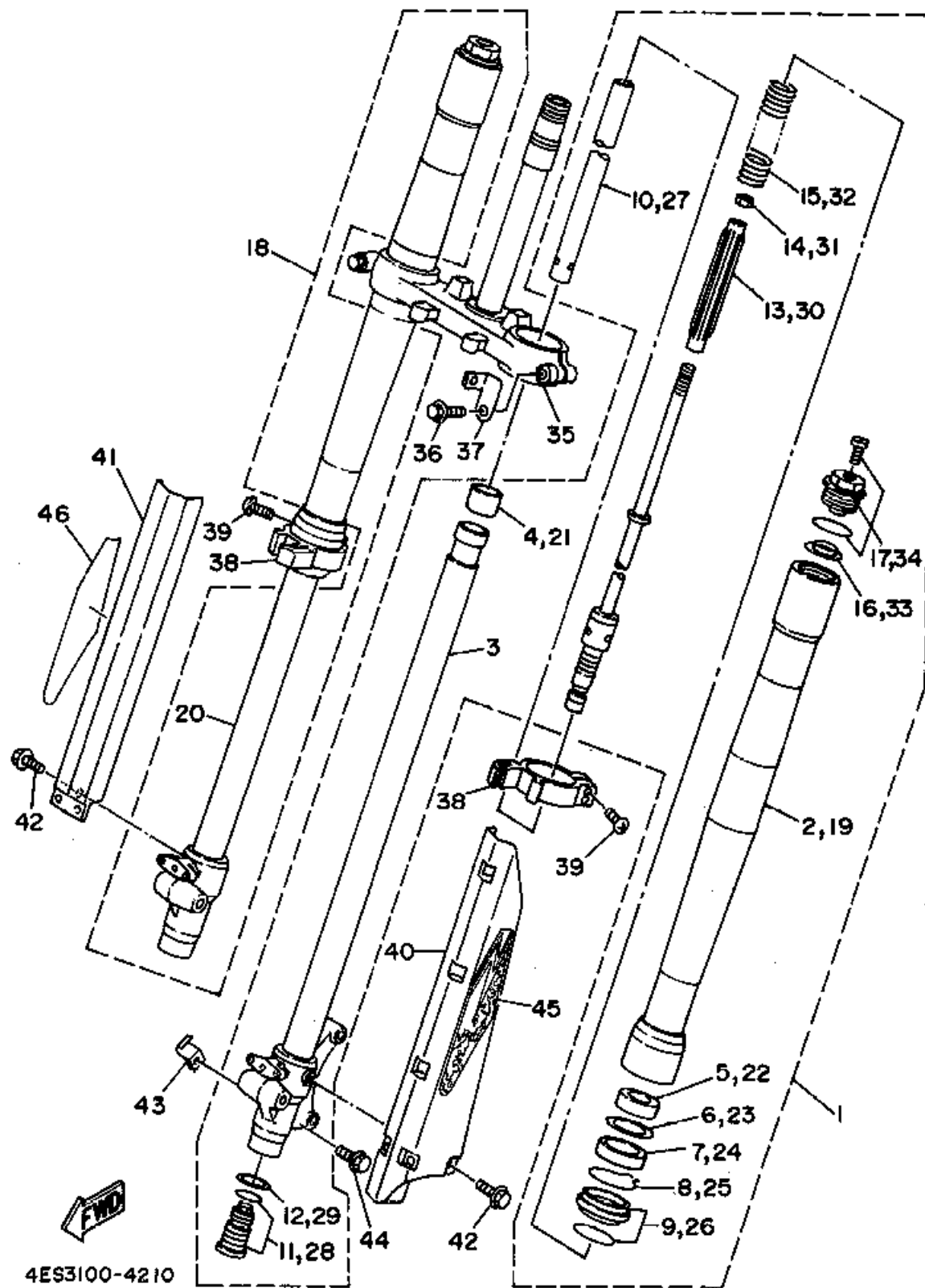
Ref. No.	Part Number	Description	Qty	Remarks
1	93332-00079-00	BEARING	2	
2	90201-256K5-00	WASHER, PLATE (0.5T)	1	
3	1J7-23415-00-00	COVER, BALL RACE 1	1	
4	4DA-23389-00-00	GUIDE, CABLE	1	
5	90159-05122-00	SCREW, WITH WASHER	1	
6	90179-25033-00	NUT	1	
7	90179-22412-00	NUT	1	
8	4ES-23435-00-00	CROWN, HANDLE	1	
9	95811-08035-00	BOLT, FLANGE (95821-08035) .	2	
10	3SP-23441-00-00	HOLDER, HANDLE UPPER ...	2	
11	95023-08030-00	SCREW	4	
12	4ES-23485-00-00	PLATE, NUMBER	1	
13	95023-06012-00	BOLT, FLANGE	1	



FRONT FORK

Ref. No.	Part Number	Description	Qty	Remarks
1	4ES-23102-00-00	FRONT FORK ASSEMBLY (L.H)	1	UR
2	4ES-23136-00-00	. TUBE, OUTER (RIGHT)	1	
3	4ES-23120-00-00	. INNER TUBE COMP 2	1	
4	4ES-23171-00-00	. PISTON, FRONT FORK	1	
5	4ES-23125-00-00	. METAL, SLIDE 1	1	
6	5K5-23149-00-00	. WASHER, SPRING UPPER . . .	1	
7	4ES-23145-00-00	. OIL SEAL	1	
8	4A1-23156-00-00	. CLIP, OIL SEAL	1	
9	4ES-23144-00-00	. SEAL, DUST	1	
10	4ES-23170-00-00	. CYLINDER COMP., FRONT FORK	1	
11	4ES-2316A-00-00	. VALVE COMP	1	
12	2HH-23158-L0-00	. GASKET	1	
13	4ES-23142-00-00	. SEAT, SPRING UPPER	1	
14	3XJ-23357-L0-00	. NUT	1	
15	4ES-23141-00-00	. SPRING, FRONT FORK (K=0.29)	1	UR
16	4V4-23142-L0-00	. SEAT, SPRING UPPER	1	
17	4ES-23111-00-00	. BOLT, CAP	1	
18	4ES-23103-00-00	FRONT FORK ASSEMBLY (R.H)	1	UR
19	4ES-23136-00-00	. TUBE, OUTER (RIGHT)	1	
20	4ES-23110-00-00	. INNER TUBE COMP 1	1	
21	4ES-23171-00-00	. PISTON, FRONT FORK	1	
22	4ES-23125-00-00	. METAL, SLIDE 1	1	
23	5K5-23149-00-00	. WASHER, SPRING UPPER . . .	1	
24	4ES-23145-00-00	. OIL SEAL	1	
25	4A1-23156-00-00	. CLIP, OIL SEAL	1	
26	4ES-23144-00-00	. SEAL, DUST	1	
27	4ES-23170-00-00	. CYLINDER COMP., FRONT FORK	1	

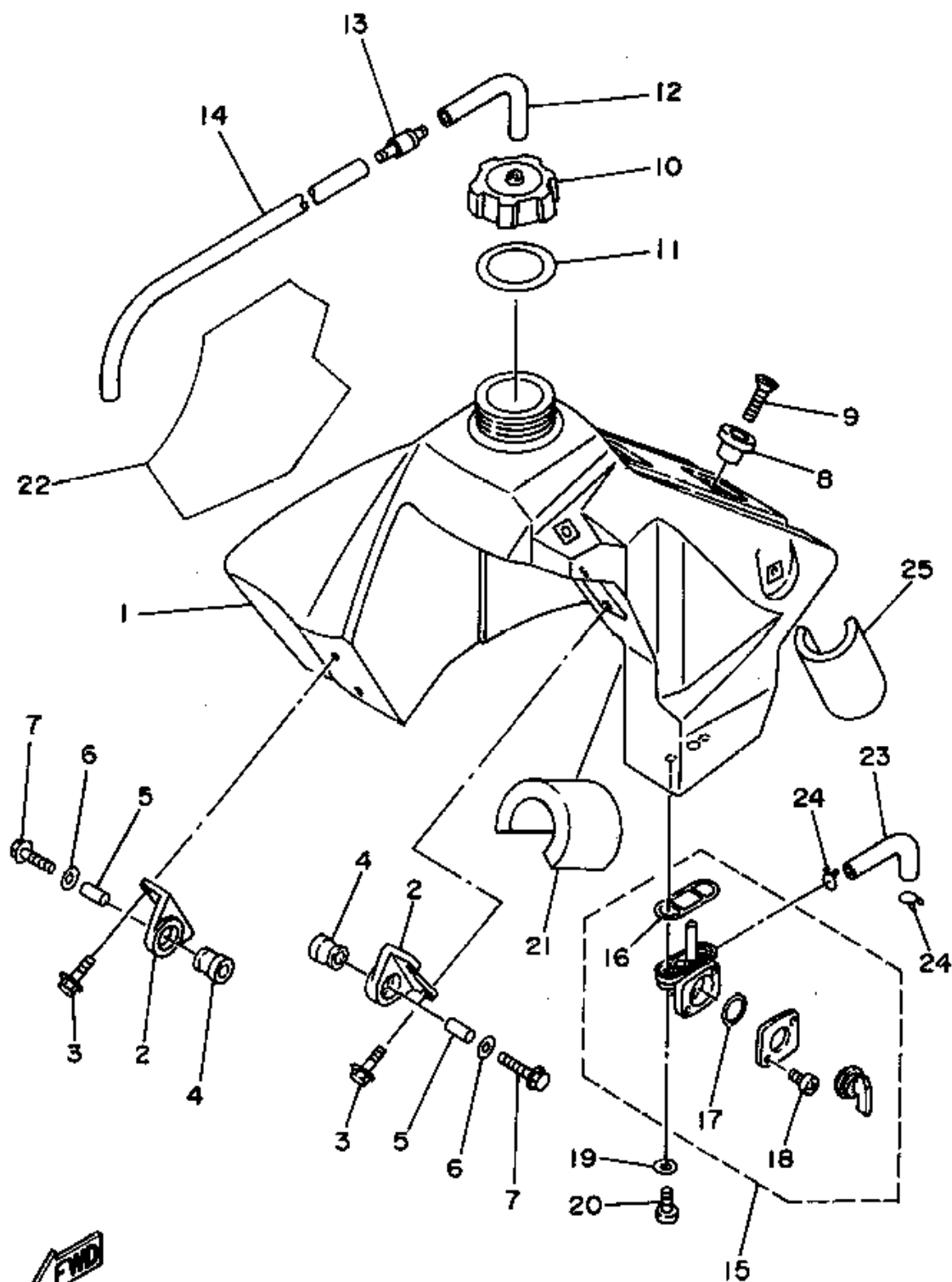
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FRONT FORK

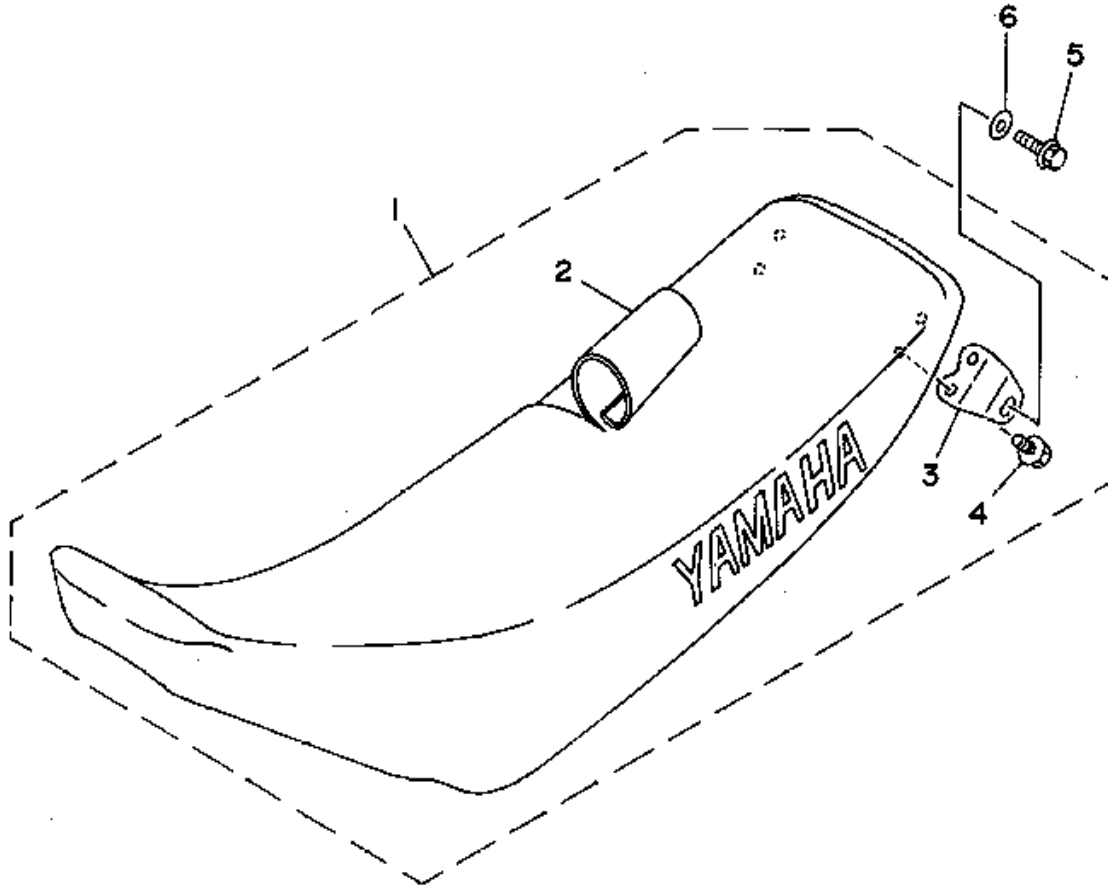
Ref. No.	Part Number	Description	Qty	Remarks
28	4ES-2316A-00-00	. VALVE COMP	1	
29	2HH-23158-L0-00	. GASKET	1	
30	4ES-23142-00-00	. SEAT, SPRING UPPER	1	
31	3XJ-23357-L0-00	. NUT	1	
32	4ES-23141-00-00	. SPRING, FRONT FORK (K=0.29)	1	UR
33	4V4-23142-L0-00	. SEAT, SPRING UPPER	1	
34	4ES-23111-00-00	. BOLT, CAP	1	
35	4ES-23340-00-00	UNDER BRACKET COMP.	1	
36	95021-10040-00	BOLT, FLANGE	2	
37	4ES-2331E-00-00	GUIDE, CABLE	1	
38	4ES-2314F-00-00	PROTECTOR GUIDE COMP., 1	2	
39	4V4-23194-L0-00	SCREW, BOOT BAND	4	
40	4ES-2314H-L1-00	PROTECTOR COMP., 1	1	
41	4ES-2314J-L0-00	PROTECTOR COMP., 2	1	
42	4DA-23346-L0-00	BOLT 1	6	
43	4ES-23318-00-00	HOLDER, CABLE 1	1	
44	90105-06707-00	BOLT (95023-06016-00)	1	
45	4ES-2313B-10-00	EMBLE 1	1	
46	4ES-2313C-10-00	EMBLE 2	1	

FUEL TANK



4ES3100-4220

Ref. No.	Part Number	Description	Qty	Remarks
1	4ES-24110-00-00	FUEL TANK COMP.	1	
2	24X-24144-00-00	HOLDER, DAMPER	2	
3	90105-06707-00	BOLT (95023-06016-00)	4	
4	90480-18549-00	GROMMET	2	
5	90387-06027-00	COLLAR	2	
6	90201-06697-00	WASHER, PLATE	2	
7	95023-06030-00	BOLT, FLANGE (95021-06030) .	2	
8	4EW-2412F-00-00	BRACKET, SEAT	1	
9	98701-06025-00	SCREW, FLAT HEAD	1	
10	5X7-24611-01-00	BODY, CAP	1	
11	5X7-24612-00-00	GASKET, CAP	1	
12	90445-09055-00	HOSE	1	
13	3XJ-24380-00-00	PIPE JOINT ASSEMBLY	1	
14	90445-09100-00	HOSE	1	
15	2VN-24500-01-00	FUEL COCK ASSEMBLY 1 ...	1	
16	4X8-24512-00-00	. O-RING	1	
17	3AJ-24534-00-00	. SEAL, COCK	1	
18	98580-03008-00	. SCREW, PAN HEAD	2	
19	90202-05187-00	WASHER, PLATE	2	
20	90149-06011-00	SCREW	2	
21	3Y0-24183-00-00	DAMPER, LOCATING 3	1	
22	4ES-24161-10-00	EMBLEM 1	1	
23	4ES-24311-00-00	PIPE, FUEL 1	1	
24	90467-10008-00	CLIP	2	
25	51L-28371-00-00	DAMPER	1	



SEAT

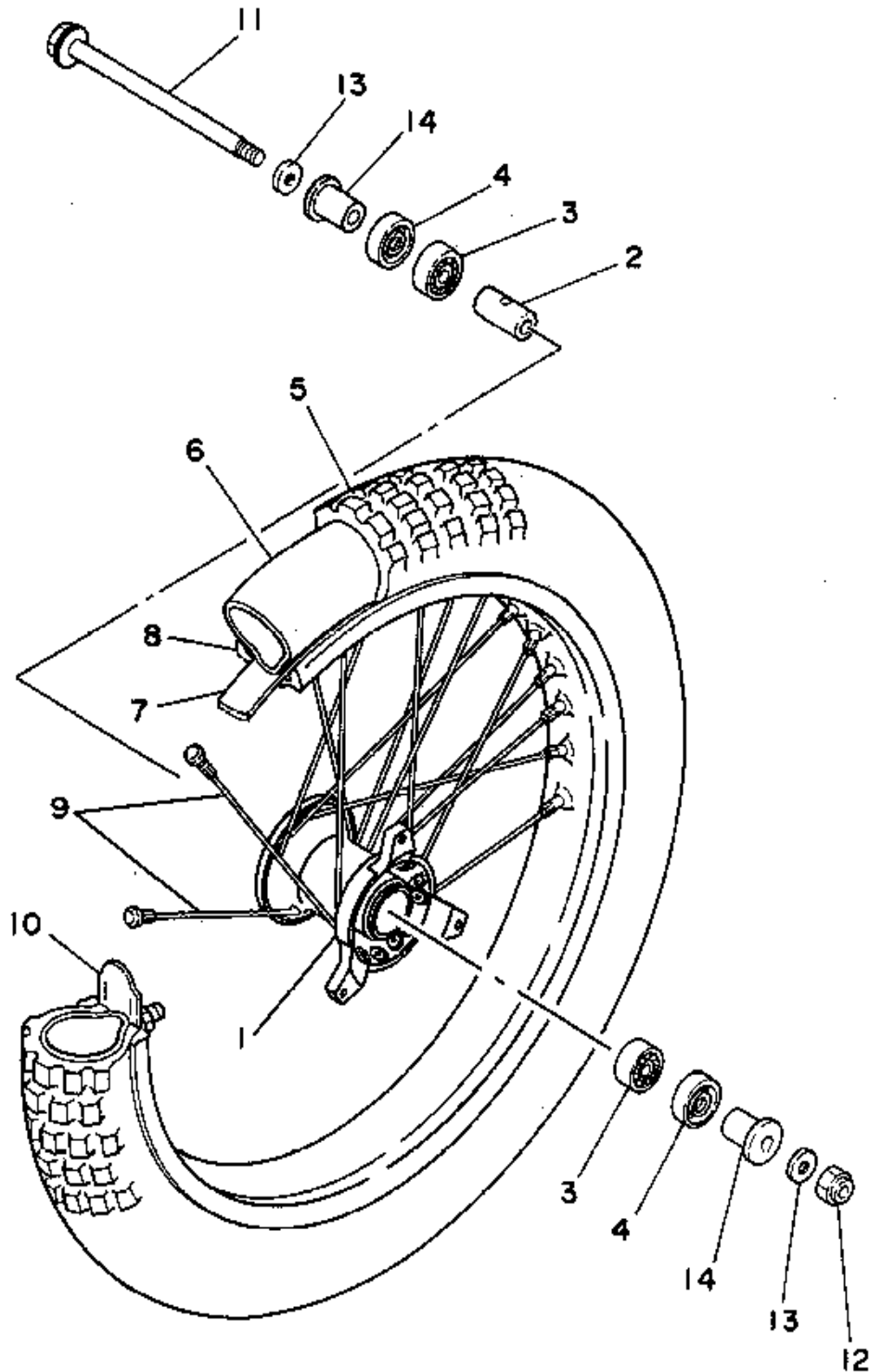
Ref. No.	Part Number	Description	Qty	Remarks
1	4ES-24770-00-00	SEMI-DOUBLE SEAT ASSEMBLY	1	DEEP VIOLET SOLID 1
2	4ES-24731-00-00	. COVER, SEAT	1	DEEP VIOLET SOLID 1
3	4ES-24728-00-00	. BRACKET, SEAT	2	
4	95023-06012-00	. BOLT, FLANGE	4	
5	95023-06020-00	BOLT, FLANGE	2	
6	92990-06200-00	WASHER	2	



4ES3100-4230

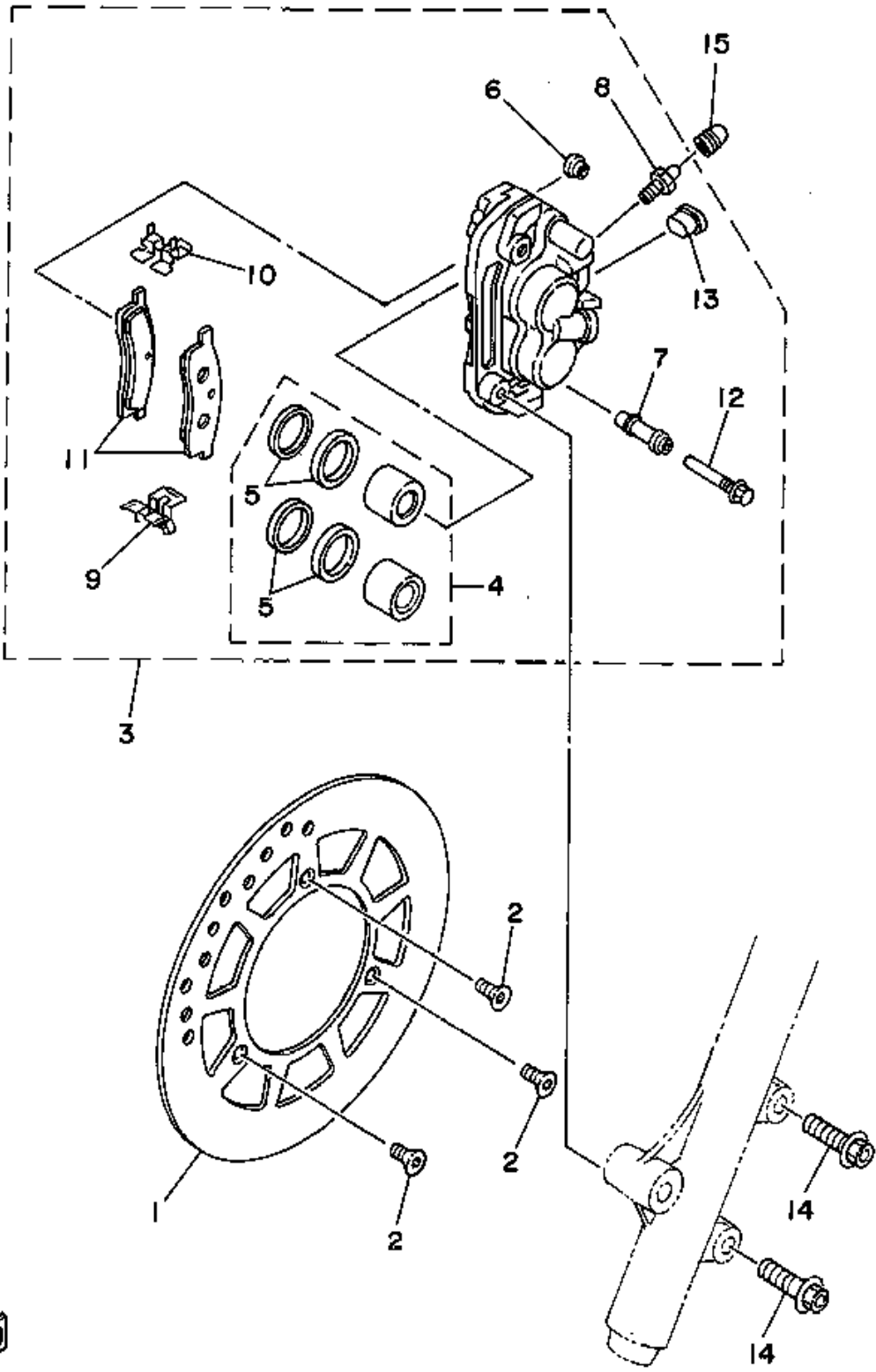
FRONT WHEEL

Ref. No.	Part Number	Description	Qty	Remarks
1	4ES-25111-00-00	HUB, FRONT	1	
2	90387-124H0-00	COLLAR	1	
3	93306-20117-00	BEARING	2	
4	93106-20031-00	OIL SEAL	2	
5	94107-177Y5-00	TIRE (70/100-17 40M K490) ...	1	UR DUNLOP
6	94207-17284-00	TUBE (70/100-17 TR4)	1	UR DUNLOP
7	94307-17166-00	BAND, RIM (80/90, 70/100-17) .	1	UR DUNLOP
8	94414-17530-00	RIM (1.40-17)	1	UR
9	4ES-25104-20-00	SPOKE SET, FRONT	1	UR
10	1T1-25194-00-00	SPACER, BEAD	1	
11	4ES-25181-00-00	AXLE, WHEEL	1	
12	90185-12046-00	NUT, SELF-LOCKING	1	
13	90201-12362-00	WASHER, PLATE	2	
14	4ES-25183-10-00	COLLAR, WHEEL	2	



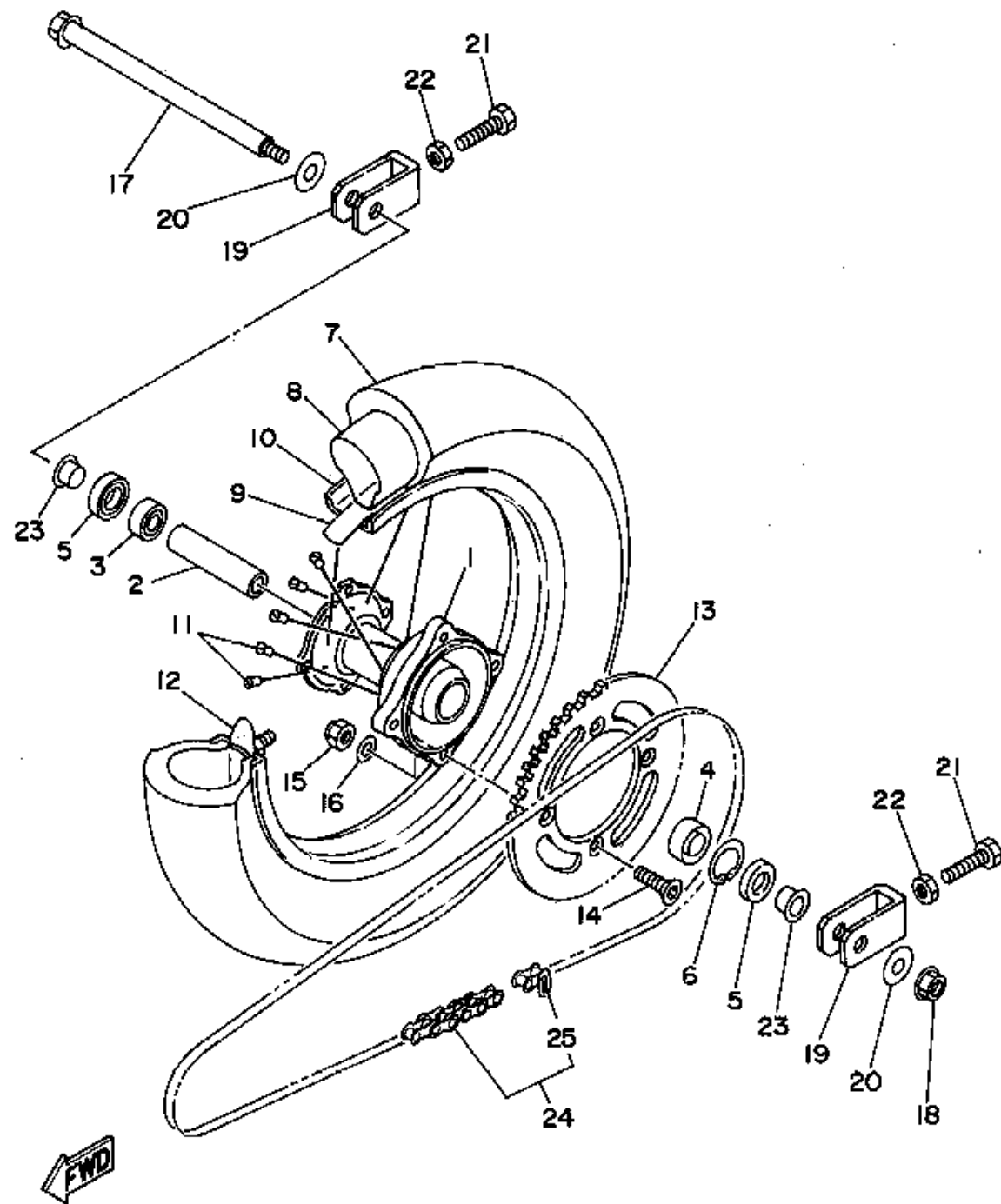
4ES1100-3240

FRONT BRAKE CALIPER



Ref. No.	Part Number	Description	Qty	Remarks
1	4ES-2582T-00-00	DISC, BRAKE	1	
2	90149-06272-00	SCREW	3	
3	4ES-2580T-00-00	CALIPER ASSEMBLY (LEFT) ..	1	
4	1LR-W0057-00-00	. PISTON ASSEMBLY, CALIPER	1	
5	1LR-W0047-00-00	.. CALIPER SEAL KIT	1	
6	5R2-25937-00-00	. BOOT 2	1	
7	56A-25937-00-00	. BOOT 2	1	
8	47X-25824-00-00	. SCREW, BLEED	1	
9	56A-25919-00-00	. SUPPORT, PAD	1	
10	56A-25919-10-00	. SUPPORT, PAD	1	
11	4ES-W0045-00-00	. BRAKE PAD KIT	1	
12	56A-25926-00-00	. BOLT	1	
13	34X-25845-00-00	. CAP, INDICATOR	1	
14	90105-08211-00	BOLT, WASHER BASED	2	
15	51L-25825-00-00	CAP	1	

4ES3100-4250

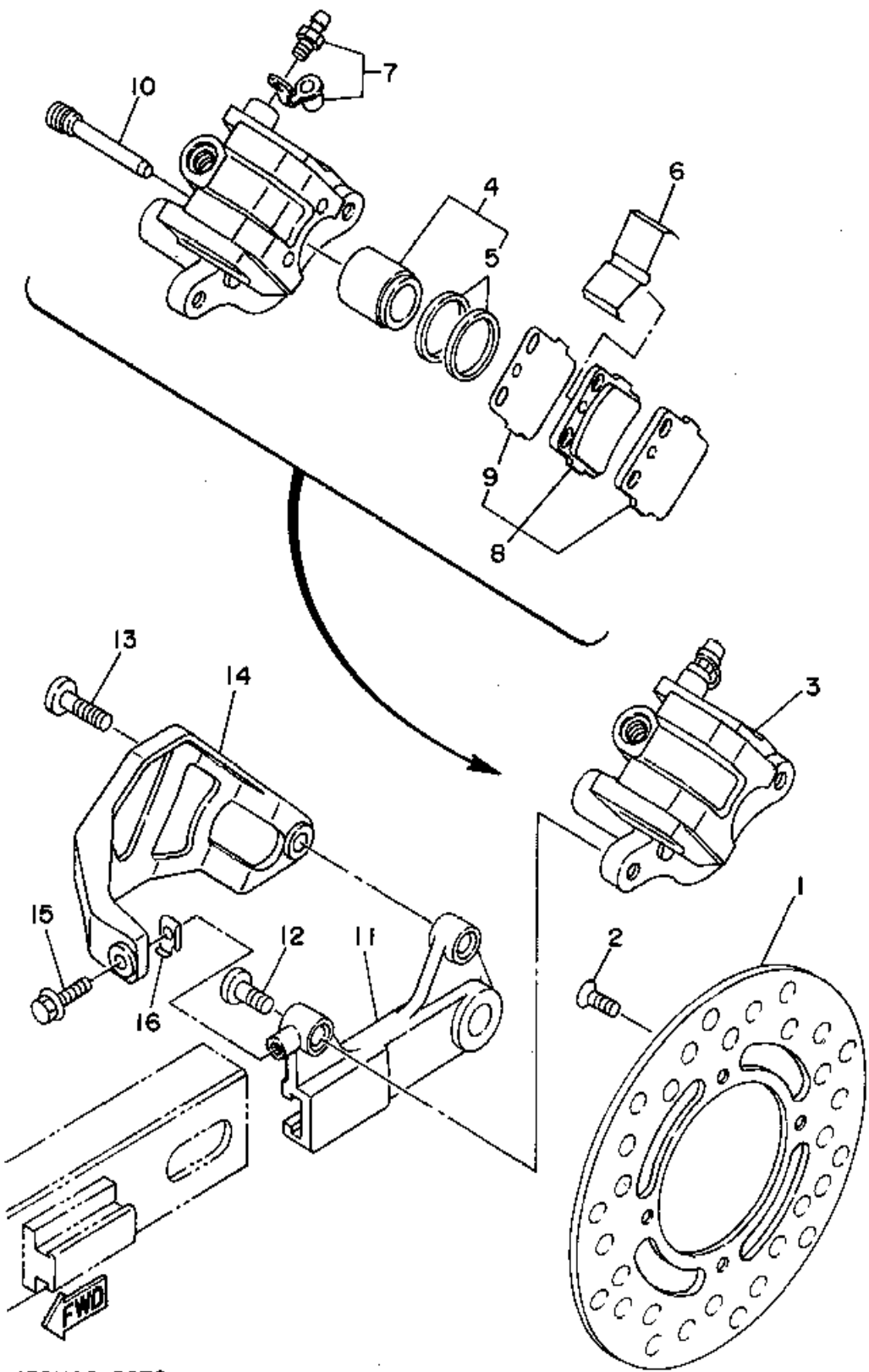


4ES1100-3260

REAR WHEEL

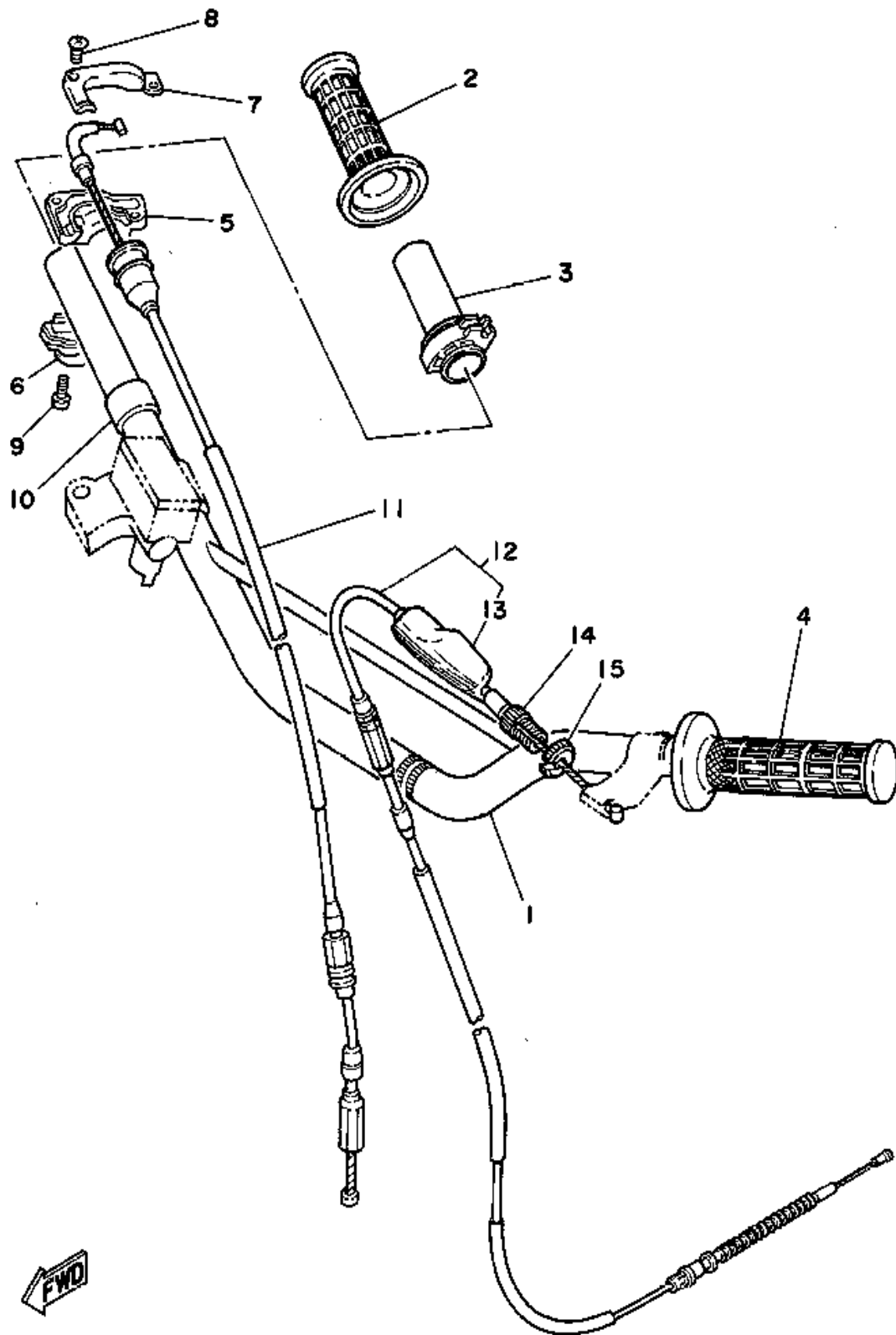
Ref. No.	Part Number	Description	Qty	Remarks
1	4ES-25311-00-00	HUB, REAR	1	
2	4ES-25383-00-00	COLLAR, WHEEL	1	
3	93306-00201-00	BEARING (B6002-ZZC3)	1	
4	93306-20204-00	BEARING (B6202Z)	1	
5	93102-20009-00	OIL SEAL	2	
6	99009-35500-00	CIRCLIP	1	
7	94109-147Y6-00	TIRE (90/100-14 49M K695)	1	UR DUNLOP
8	94208-14285-00	TUBE (80-90/100-14 TR4)	1	UR DUNLOP
9	94308-14165-00	BAND, RIM (80-90/100-14)	1	UR DUNLOP
10	94416-14529-00	RIM (1.60-14)	1	UR
11	4ES-25304-20-00	SPOKE SET, REAR	1	UR
12	5X2-25394-00-00	SPACER, BEAD	1	UR
13	4ES-25446-00-XX	SPROCKET, DRIVEN (46T)	1	UR
	4ES-25447-00-XX	SPROCKET, DRIVEN (47T)	1	STD
	4ES-25448-00-XX	SPROCKET, DRIVEN (48T)	1	UR
	4ES-25449-00-XX	SPROCKET, DRIVEN (49T)	1	UR
	4ES-25450-00-XX	SPROCKET, DRIVEN (50T)	1	UR
14	90109-08706-00	BOLT	4	
15	95611-08100-00	NUT, U	4	
16	90201-086P8-00	WASHER, PLATE	4	
17	4ES-25381-01-00	AXLE, WHEEL	1	
18	95601-14200-00	NUT, U	1	
19	4ES-25388-00-00	PULLER, CHAIN 1	2	
20	90201-161R1-00	WASHER, PLATE	2	
21	90101-08699-00	BOLT	2	
22	95303-08700-00	NUT	2	
23	4ES-25383-10-00	COLLAR, WHEEL	2	
24	94581-58118-00	CHAIN (DID428G2 118L)	1	UR
25	94681-58001-00	. JOINT, CHAIN	1	UR

REAR BRAKE CALIPER



4ES1100-3270

Ref. No.	Part Number	Description	Qty	Remarks
1	4ES-2582W-00-00	DISC, REAR BRAKE 2	1	
2	90149-06272-00	SCREW	4	
3	4ES-2580W-00-00	CALIPER ASSEMBLY, REAR 2	1	
4	4ES-W0057-00-00	. PISTON ASSEMBLY, CALIPER	1	
5	4ES-W0047-00-00	. . CALIPER SEAL KIT	1	
6	1UY-25919-51-00	. SUPPORT, PAD	1	
7	36Y-W0048-00-00	. BLEED SCREW KIT	1	
8	4ES-W0046-50-00	. BRAKE PAD KIT 2	1	
9	3GD-25827-00-00	. . SHIM, CALIPER	1	
10	3GD-25933-00-00	. PIN, PAD	2	
11	4ES-25920-00-00	SUPT. BRKT. ASSEMBLY.	1	
12	90110-08096-00	BOLT, HEXAGON SOCKET HEAD	1	
13	90109-08718-00	BOLT	1	
14	4ES-27491-00-00	PROTECTOR	1	
15	95023-06012-00	BOLT, FLANGE	1	
16	4ES-27114-00-00	STOPPER, MAIN STAND	1	



STEERING HANDLE - CABLE

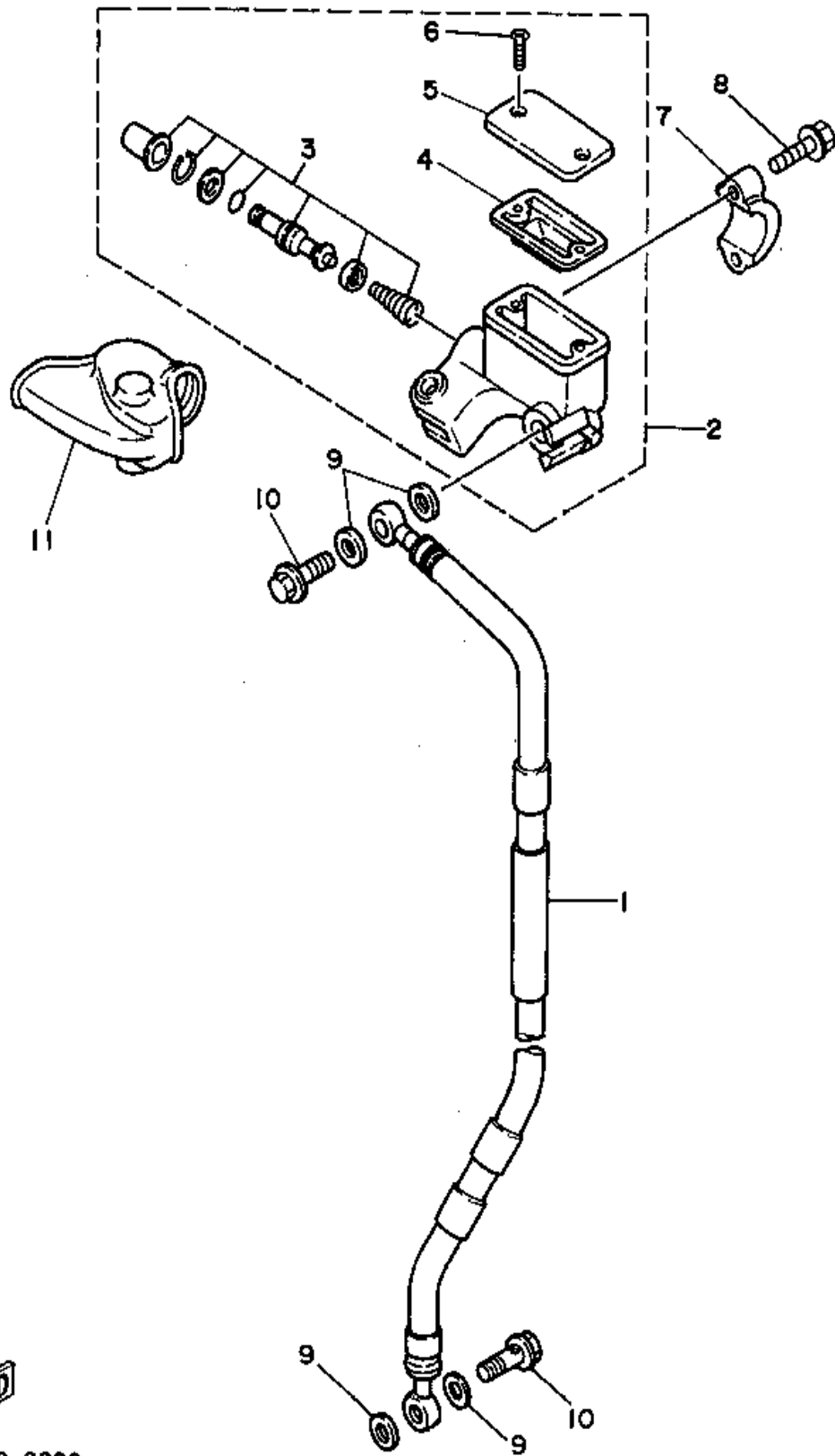
Ref. No.	Part Number	Description	Qty	Remarks
1	4ES-26111-00-00	HANDLEBAR	1	
2	1LX-26242-01-00	GRIP (RIGHT)	1	
3	22W-26243-00-00	TUBE, THROTTLE GUIDE	1	
4	1LX-26241-01-00	GRIP (LEFT)	1	
5	5X2-26281-00-00	CAP, GRIP UPPER	1	
6	322-26282-00-00	CAP, GRIP LOWER	1	
7	5X2-2628H-01-00	CAP, WIRE	1	
8	98706-04012-00	SCREW, FLAT HEAD	2	
9	98586-05016-00	SCREW, PAN HEAD	2	
10	90387-22647-00	COLLAR	1	
11	4ES-26311-00-00	CABLE, THROTTLE 1	1	
12	4ES-26335-00-00	CABLE, CLUTCH	1	
13	382-26372-01-00	. COVER, HANDLE LEVER ...	1	
14	90123-08013-00	BOLT	1	
15	90179-08148-00	NUT	1	



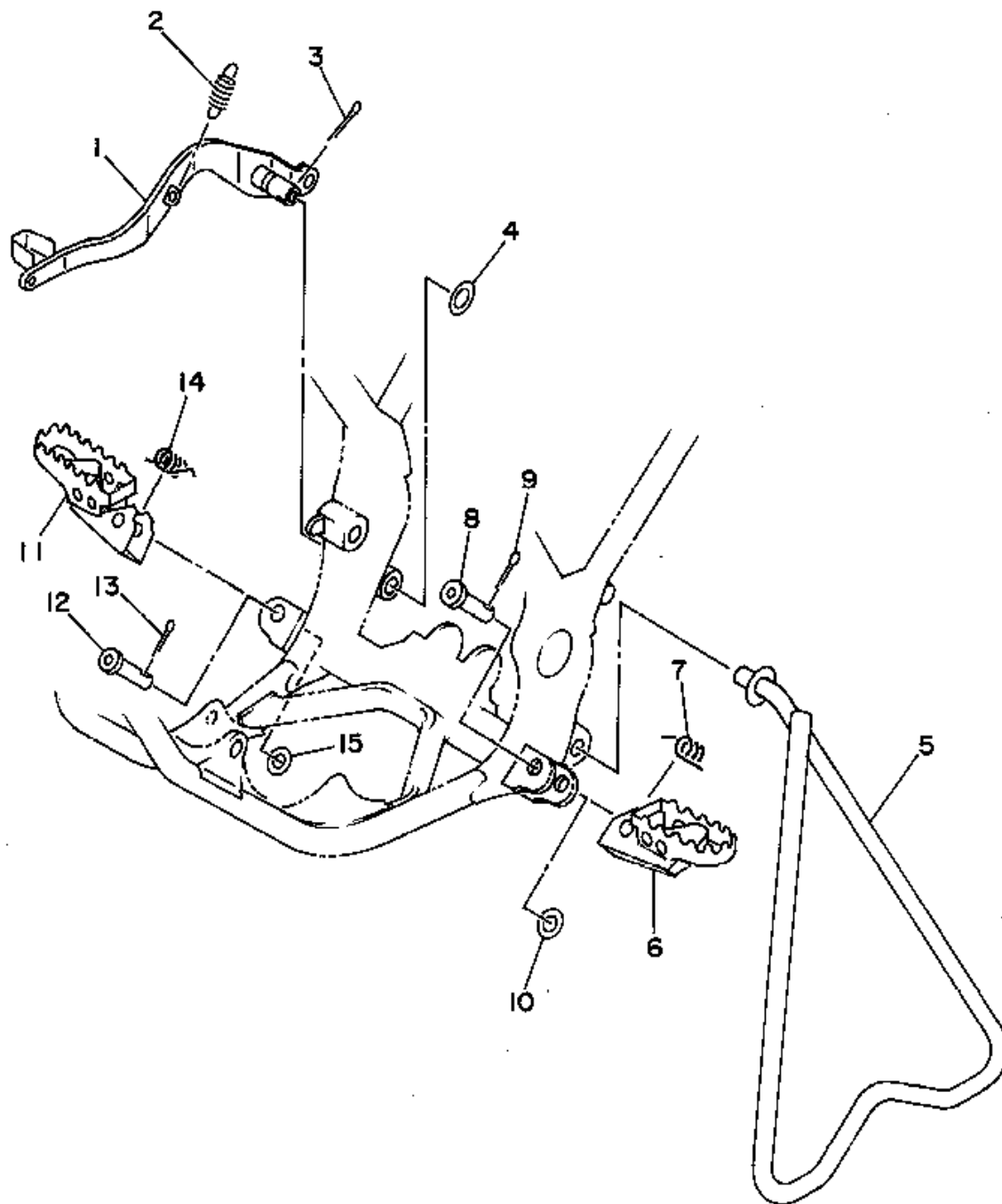
3MK4100-2270

FRONT MASTER CYLINDER

Ref. No.	Part Number	Description	Qty	Remarks
1	4ES-25872-00-00	HOSE, BRAKE 1 (4ES-25872-01-00)	1	UR
2	2VN-25870-01-00	MASTER CYLINDER SUB ASSEMBLY	1	
3	56A-W0041-00-00	. CYLINDER KIT, MASTER	1	
4	56A-25854-00-00	. DIAPHRAGM, RESERVOIR	1	
5	2VN-25852-01-00	. CAP, RESERVOIR	1	
6	98706-04012-00	. SCREW, FLAT HEAD	2	
7	56A-25867-00-00	BRACKET, MASTER CYLINDER	1	
8	95026-06025-00	BOLT, FLANGE	2	
9	90201-10118-00	WASHER, PLATE	4	
10	90401-10034-00	BOLT, UNION	2	
11	56A-26372-01-00	COVER, HANDLE LEVER 1	1	




4ES1100-3290

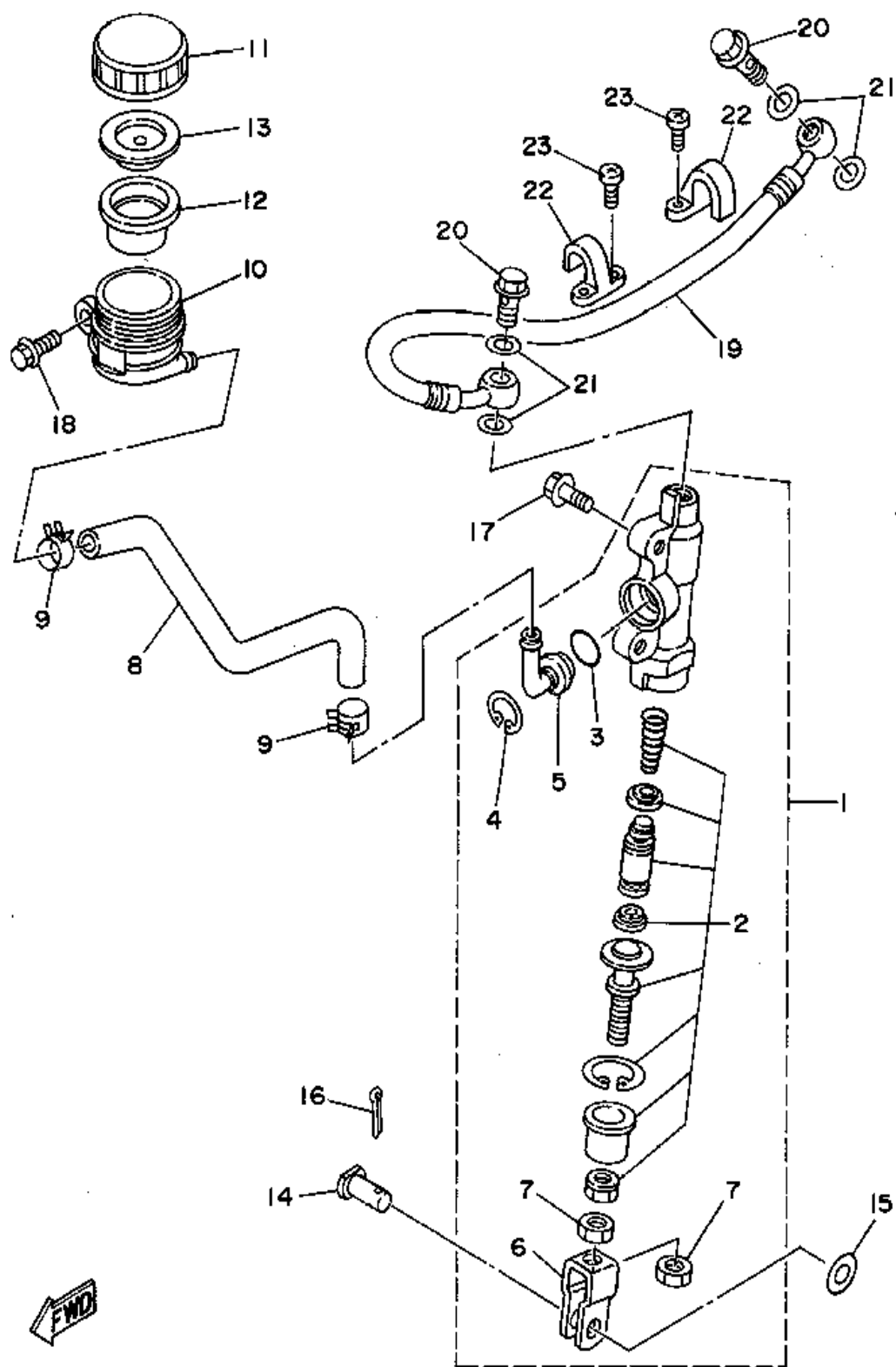


STAND - FOOTREST

Ref. No.	Part Number	Description	Qty	Remarks
1	4ES-27211-00-00	PEDAL, BRAKE	1	
2	90506-15480-00	SPRING, TENSION	1	
3	91401-20030-00	PIN, COTTER	1	
4	90201-154E8-00	WASHER, PLATE (1.0T)	1	
5	4ES-27311-00-00	STAND, SIDE	1	UR
6	3SP-27411-00-00	FOOTREST 1	1	
7	90508-28777-00	SPRING, TORSION	1	
8	90240-10117-00	PIN, CLEVIS	1	
9	91401-25020-00	PIN, COTTER	1	
10	90201-10119-00	WASHER, PLATE	1	
11	3SP-27421-00-00	FOOTREST 2	1	
12	90240-10117-00	PIN, CLEVIS	1	
13	91401-25020-00	PIN, COTTER	1	
14	90508-28777-00	SPRING, TORSION	1	
15	90201-10119-00	WASHER, PLATE	1	



4ES1100-3300

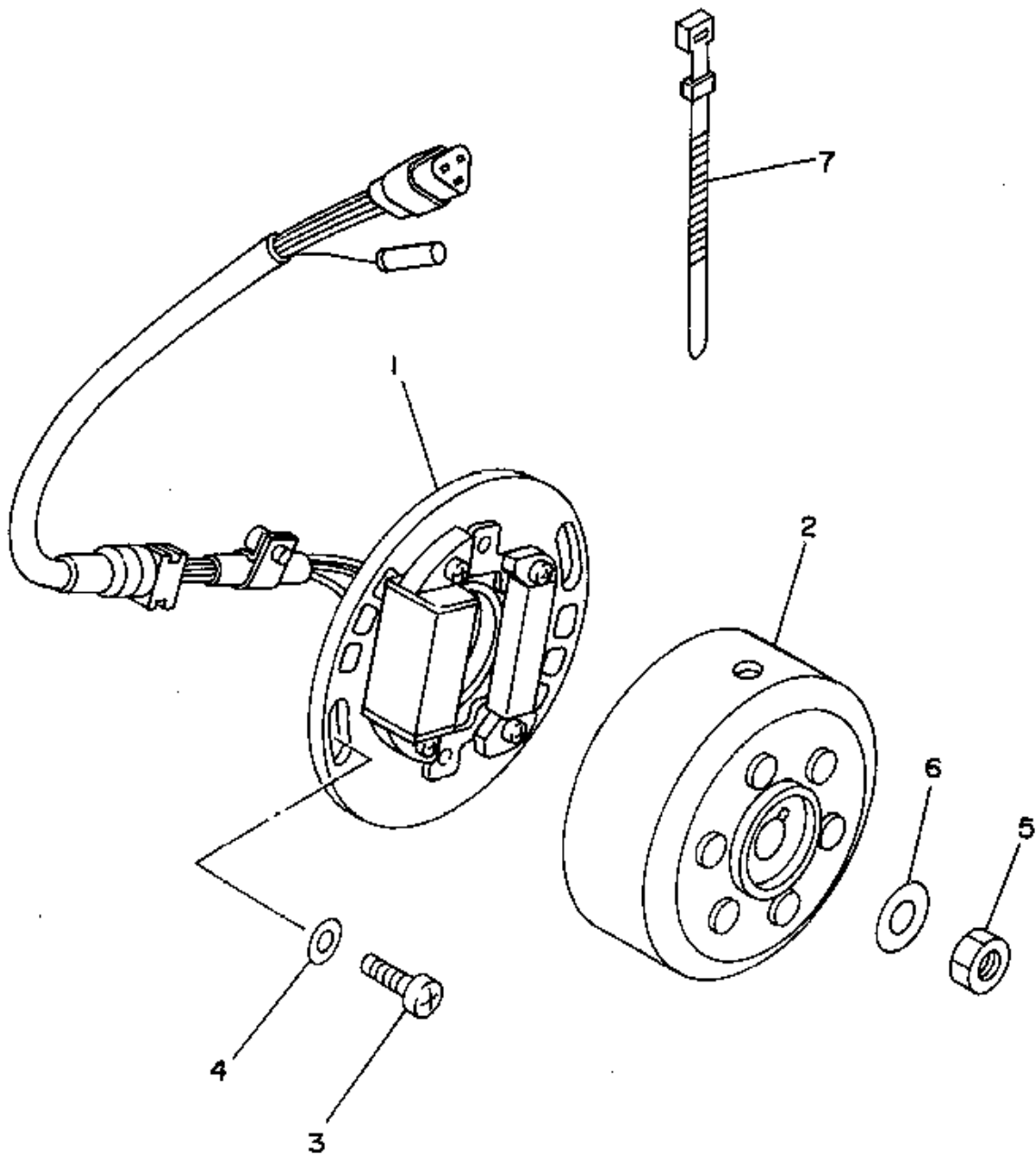


4ES1100-3310

REAR MASTER CYLINDER

Ref. No.	Part Number	Description	Qty	Remarks
1	4ES-2583V-00-00	RR. MASTER CYLINDER ASSEMBLY.	1	
2	1FK-W0042-50-00	. CYLINDER KIT, MASTER	1	
3	93210-15620-00	. O-RING	1	
4	2VN-25866-00-00	. CIRCLIP	1	
5	2VN-2582A-50-00	. JOINT	1	
6	2YK-27222-00-00	. JOINT	1	
7	95333-08600-00	. NUT	2	
8	4ES-25895-00-00	HOSE, RESERVOIR	1	
9	90467-11044-00	CLIP	2	
10	4EW-25894-00-00	TANK, RESERVOIR	1	
11	3XP-25852-50-00	CAP, RESERVOIR	1	
12	2VN-25854-00-00	DIAPHRAGM, RESERVOIR ...	1	
13	2VN-25855-00-00	BUSH, DIAPHRAGM	1	
14	90240-08124-00	PIN, CLEVIS	1	
15	90201-08083-00	WASHER, PLATE	1	
16	91490-16020-00	PIN, COTTER	1	
17	90105-06707-00	BOLT (95023-06016-00)	2	
18	95023-06012-00	BOLT, FLANGE	1	
19	4ES-25873-00-00	HOSE, BRAKE 2 (4ES-25873-01-00)	1	UR
20	90401-10034-00	BOLT, UNION	2	
21	90201-10118-00	WASHER, PLATE	4	
22	2VM-25876-00-00	HOLDER, BRAKE HOSE 2	2	
23	97780-50110-00	SCREW, TAPPING	4	

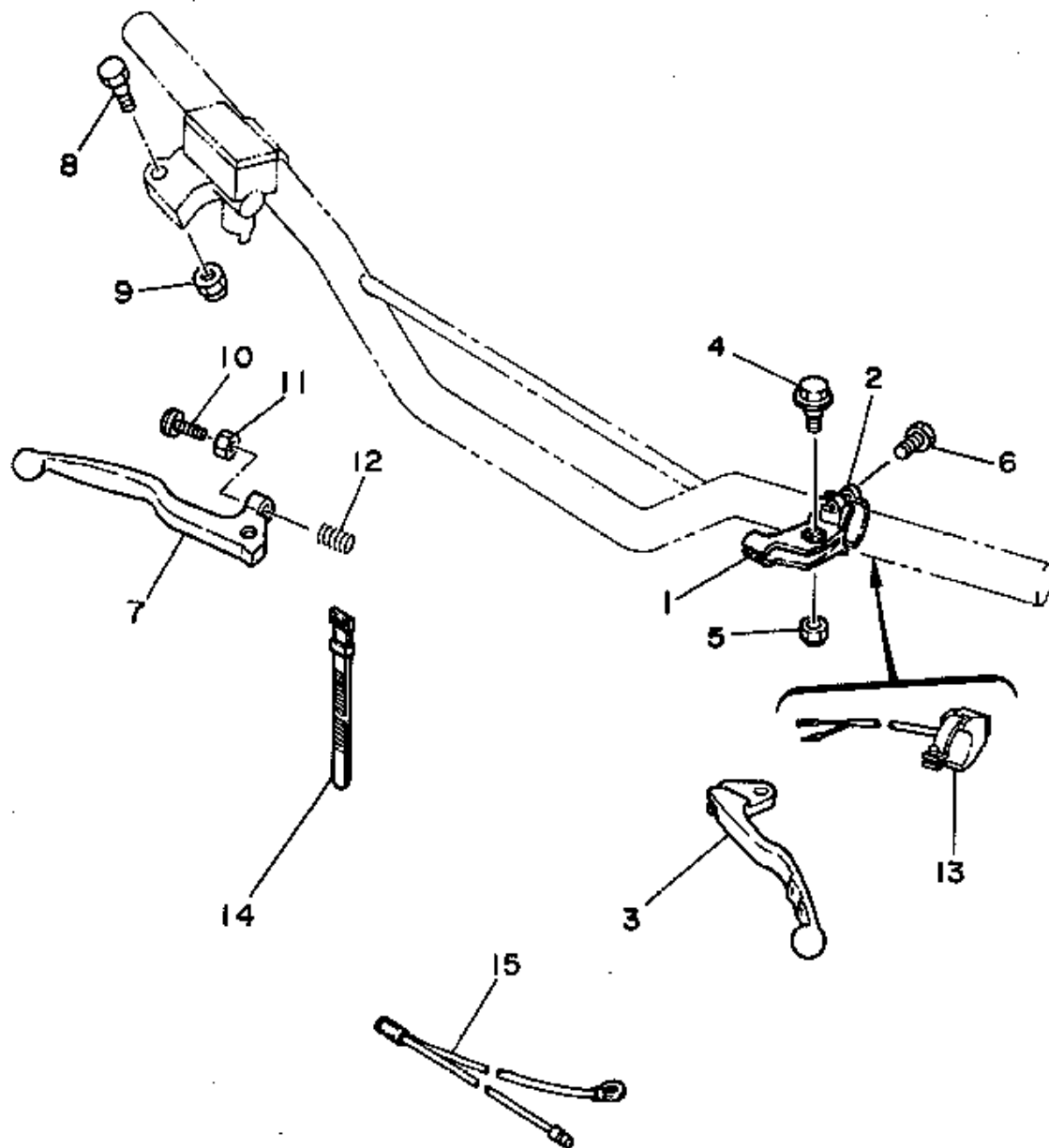
GENERATOR



Ref. No.	Part Number	Description	Qty	Remarks
1	4ES-85510-10-00	STATOR ASSEMBLY	1	
2	4ES-85550-00-00	ROTOR ASSEMBLY	1	
3	98502-06016-00	SCREW, PAN HEAD (98501-06014-00)	2	
4	92901-06600-00	WASHER	2	
5	95311-10600-00	NUT	1	
6	90201-10774-00	WASHER, PLATE	1	
7	437-83936-01-00	BAND, SWITCH CORD	3	



4GT3300-4320

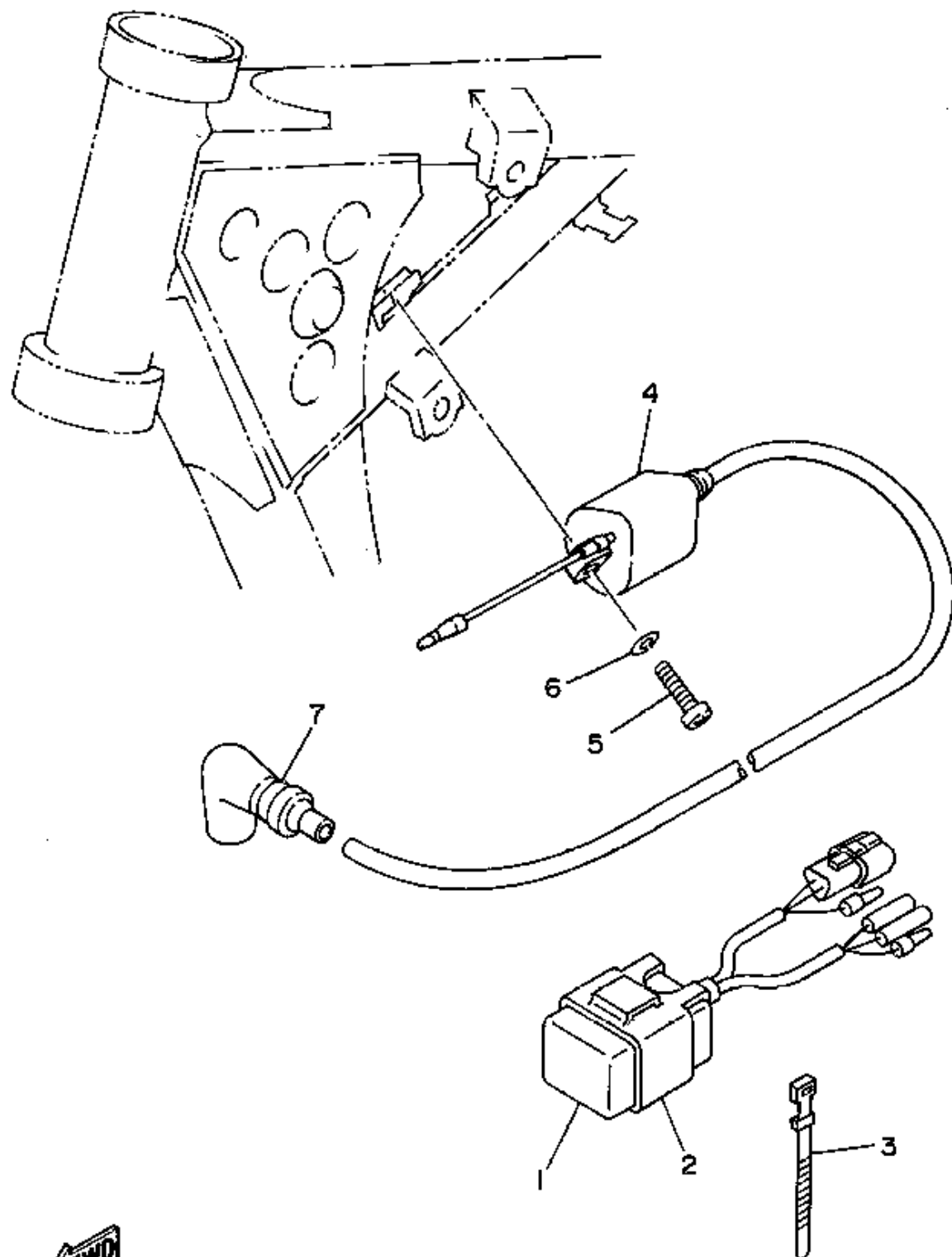


HANDLE SWITCH - LEVER

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	23X-83912-00-00	LEVER 1	1	
4	90109-06799-00	BOLT	1	
5	95616-06100-00	NUT, U	1	
6	97006-05016-00	BOLT	2	
7	55Y-83922-00-00	LEVER 2	1	
8	90109-06577-00	BOLT	1	
9	95616-06100-00	NUT, U	1	
10	90143-06024-00	SCREW, HEXAGON	1	
11	90170-06010-00	NUT	1	
12	90501-061G2-00	SPRING, COMPRESSION	1	
13	23X-83976-00-00	SWITCH, HANDLE 1	1	
14	437-83936-01-00	BAND, SWITCH CORD	2	
15	5X1-82519-01-00	WIRE, EARTH LEAD	1	



4ES1100-3330

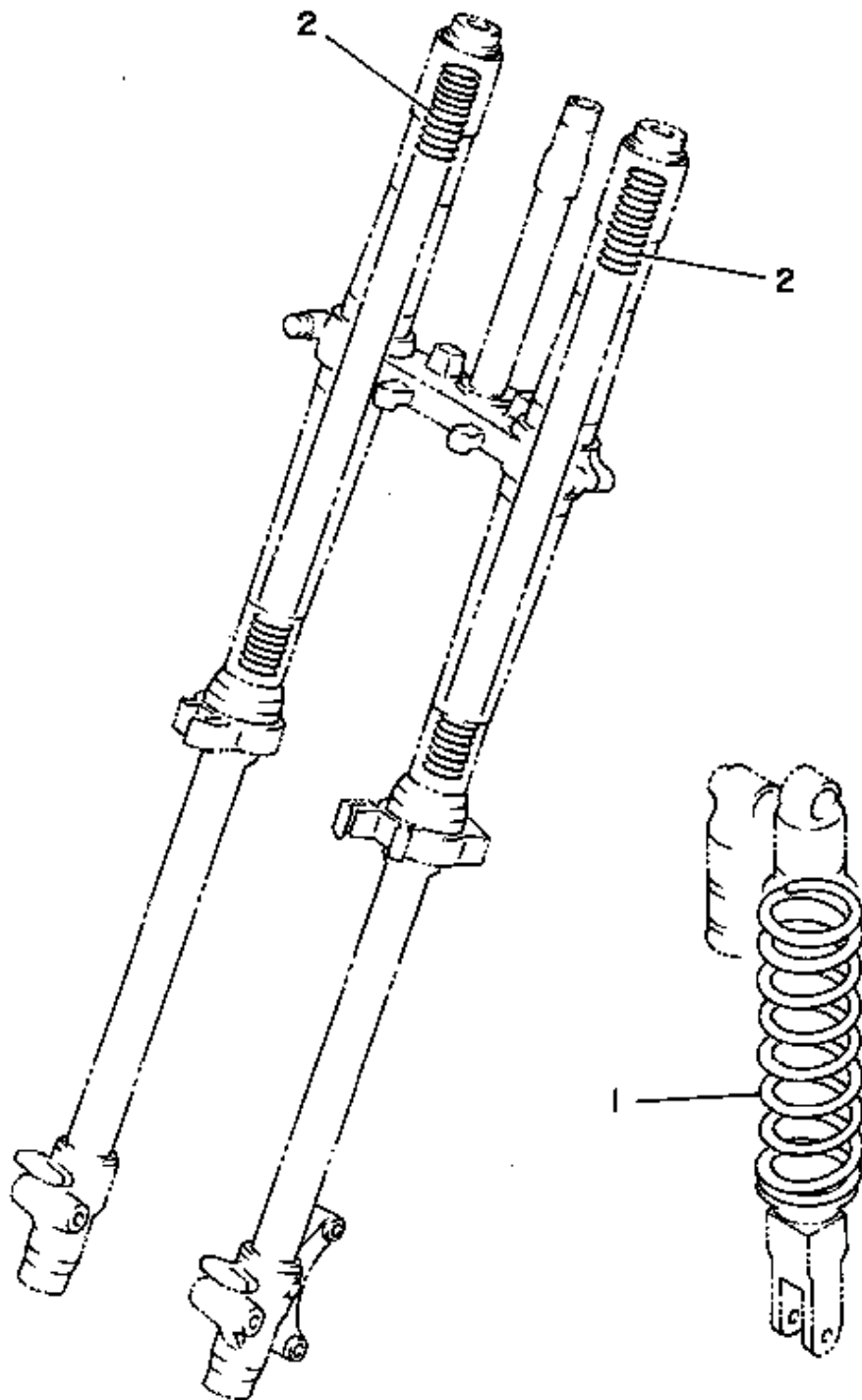


ELECTRICAL 1

Ref. No.	Part Number	Description	Qty	Remarks
1	4ES-85540-10-00	C.D.I. UNIT ASSEMBLY	1	
2	2A7-85546-00-00	BAND	1	
3	437-83936-11-00	BAND, SWITCH CORD	1	
4	43G-82310-40-00	IGNITION COIL ASSEMBLY ...	1	
5	98580-06020-00	SCREW	2	
6	92995-06100-00	WASHER, SPRING	2	
7	81E-82370-20-00	PLUG CAP ASSEMBLY	1	



4ES1100-3340



ALTERNATE (CHASSIS)

Ref. No.	Part Number	Description	Qty	Remarks
1	4ES-22212-30-00	SPRING (K=5.0)	1	AP (SOFT))
	4ES-22212-40-00	SPRING (K=4.8)	1	AP (SOFT
	4ES-22212-50-00	SPRING (K=5.2)	1	AP (HARD)
2	4ES-23141-00-00	SPRING, FRONT FORK (K=0.29)	2	AP (SOFT)
	4ES-23141-10-00	SPRING, FRONT FORK (K=0.28)	2	AP (SOFT)
	4ES-23141-20-00	SPRING, FRONT FORK (K=0.30)	2	AP (HARD)



4ES1100-3350

REPAIR KIT

Ref. No.	Part Number	Description	Qty	Remarks
2	2RA-11681-00-00	. PIN, CRANK 1	1	
	43K-11611-00-00	. RING, PISTON	1	
	4ES-11630-01-00	PISTON ASSEMBLY (STD) . . .	1	
	4ES-11631-01-B0	. PISTON (STD)	1	
	4ES-11633-00-00	. PIN, PISTON	1	
	4ES-11650-01-00	CONNECTING ROD ASSEMBLY	1	
	4ES-11651-01-00	. ROD, CONNECTING	1	
	90209-20159-00	. WASHER	2	
	93310-21403-00	. BEARING	1	KOYO
	93310-320T3-00	. BEARING	1	
	93450-16115-00	. CIRCLIP	2	

YZ80F1 PERFORMANCE MODIFICATIONS

INTRODUCTION

The following modifications can be performed on the YZ80F1 for increased performance. Follow these instructions carefully to gain maximum performance. It is important that the motorcycle be properly maintained and in good running order before modification.

Remember, these modifications are for off-road, closed-course use only. Modifications may affect warranty coverage; see the Warranty Information section of this bulletin and the YZ Limited Warranty Statement in the Owner's Manual for details.

For particular assembly and disassembly information, specifications, and torque values, refer to the Owner's Service Manual.

CAUTION

Only qualified technicians should attempt the following procedures!

NOTE: Due to the early release of this performance information, some of the modification parts described in this bulletin will not be available until later. Yamaha warehouses will be stocked as soon as possible.

PERFORMANCE MODIFICATIONS

Exhaust Pipe

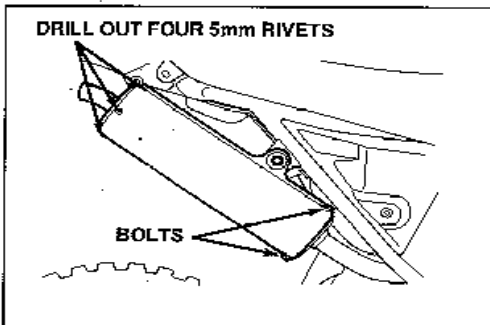
For maximum performance, install the YZR/Pro Circuit Works Pipe (available through Yamaha Parts and Accessories). The stock pipe can also be used with the other modifications in this bulletin, including the muffler modification.

Part Number	Description	Dealer Cost
AB3-4ES93-00-PC	YZR/Pro Circuit Works Pipe	
93210-371A9-00	O-Ring	

Exhaust Pipe Muffler

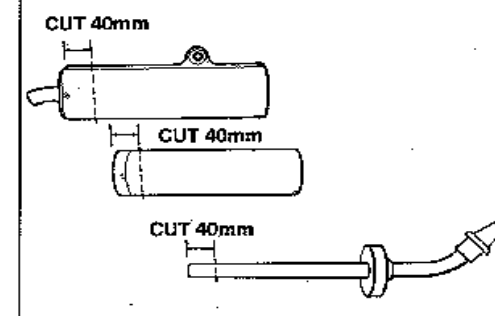
Modify the stock muffler as shown.

1. Drill out the four original exhaust pipe rivets and remove the two bolts.



Performance Modifications (Cont'd.)

2. Cut 40mm off each muffler part as shown.
3. Drill new rivet holes and re-rivet the muffler.

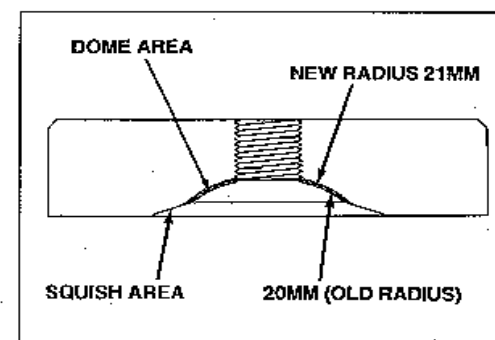


Cylinder Head

Gradually cut the cylinder head dome area until the cylinder-head capacity is increased to 7.4cc. Maintain the same contour in the dome area during the cutting process.

CAUTION

- Make this modification accurately. If the head capacity is more or less than 7.4mm, performance may be reduced.
- Smooth any sharp edges after cutting.
- Do not change the squish area.
- Do not mill the head gasket surface.



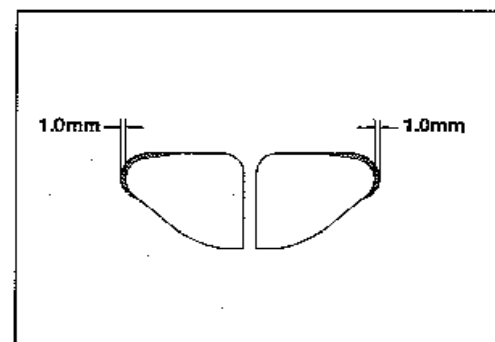
Exhaust Port

Grind the exhaust ports to expand the outside dimension by 1mm on each side as shown in the illustration. Keep the original radius. When widening the port, make sure the width is carried 10mm deep into the port.

NOTE: This porting spec was developed using the YZR/Pro Circuit Works Pipe, but will also work with the stock pipe.

CAUTION

- Chamfer all port edges after grinding.
- Do not raise the port height above standard specification.



Performance Modifications (Cont'd.)

Cylinder Base

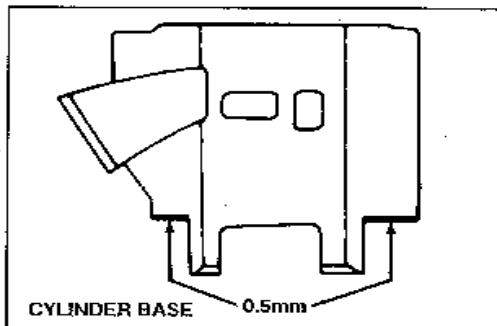
Remove 0.5mm from the base of the cylinder.

Ignition Timing

Make sure ignition timing is the stock specification of 0.8mm BTDC. Refer to the Owner's Service Manual.

Carburetor

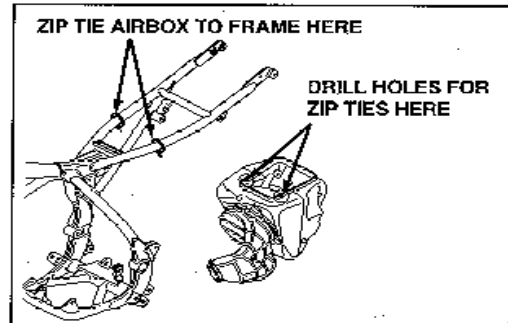
Check the carburetor settings and make any changes necessary. The recommended starting settings after making the engine modifications are:



Component	Stock Specification	Recommended Starting Setting	Part Number
Float Level	21mm	21mm	
Main Jet	#290	#290	
Needle	5H22	5H22	
Needle Clip Position	#4	#3	
Pilot Air Screw	2 turns out	2 turns out	
Pilot Jet	#35	#32.5	260-14142-32-00

Airbox

Drill holes in the top of the airbox as shown in the illustration, then use zip ties to secure the top of the airbox to the frame. This will restrict airbox/carburetor movement.

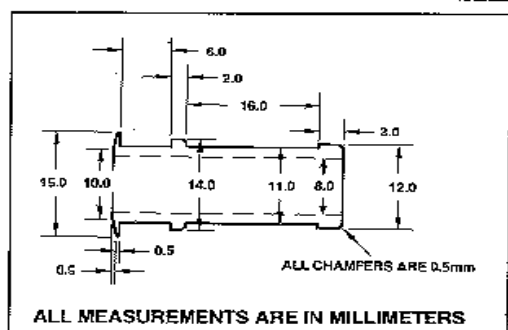


Intake System

You can perform an additional modification by installing a YEIS bottle. Although not required for the other modifications to work, YEIS will help maximize intake efficiency.

YEIS

1. Machine a spigot as shown in the following illustration.



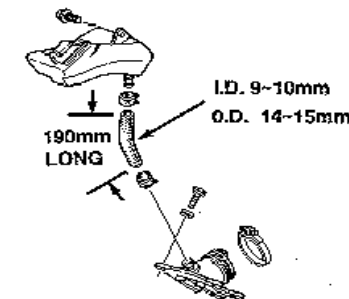
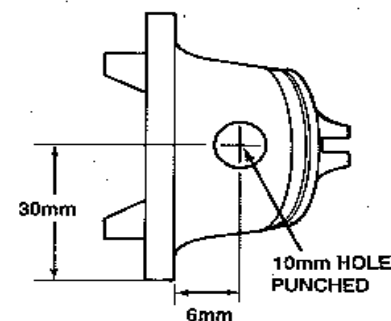
Performance Modifications (Cont'd.)

2. Punch a hole in the manifold for the spigot in the location shown. Use a 10mm (3/8-inch) gasket punch, such as the one in the Snap-On Tool Set (#PGH8A). Insert the spigot in the hole, then seal the spigot to the manifold with epoxy.

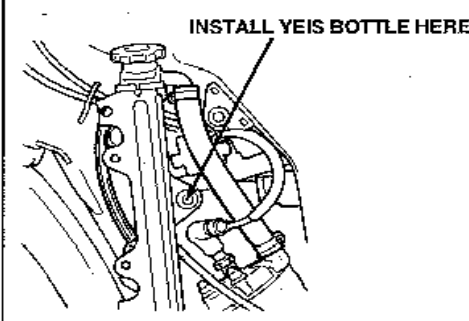
CAUTION

Do not drill the hole. Drilling the hole can make it rough and larger than needed, which can cause an air leak and piston seizure.

TOP VIEW OF HOLE LOCATION IN MANIFOLD



3. Connect the hose to the YEIS bottle and spigot with hose clamps. Install the YEIS bottle on the frame as shown.



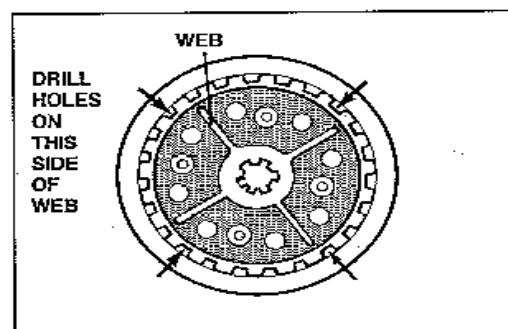
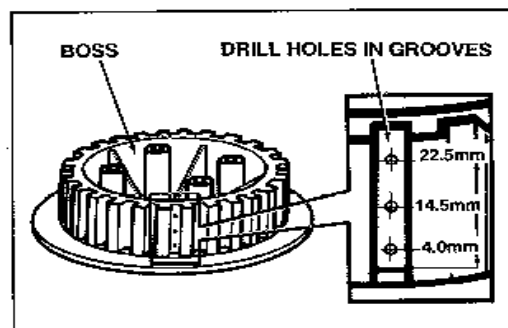
Part Number	Description	Remarks	Dealer Cost
22W-13581-00-00	Air Chamber	YEIS Bottle	
	Hose, Fuel	Source locally: 14~15mm O.D. x 9~10mm I.D. x 190mm length	
90450-28014-00	Hose Clamps	Qty. 2, or source locally	

Performance Modifications (Cont'd.)

Clutch

Perform the following for improved shifting, better clutch action and improved clutch life.

1. The most effective way to improve clutch performance is also the simplest — don't misuse the clutch! Some riders partially disengage the clutch by applying finger pressure on the lever between shifts. This can lead to extreme clutch wear.
2. To improve clutch plate lubrication, drill four sets of three 2.5mm (3/32") holes into the inner grooves of the clutch boss next to the supporting webs as shown.



3. Use Yamaha Trans Oil Plus or another high-quality 20W-40 lubricant. Use 550cc of oil. Change the oil after every race day. If you are using your race bike to practice on during the week, change the oil every 3 hours of operation.

Part Number	Description	Remarks	Dealer Cost
ACC-11001-36-00	Trans Oil Plus	1 Quart	

4. Make sure the transmission breather tube is clear and free of debris, and that it is properly inserted in the engine block.
5. Install 10% stiffer clutch springs to increase lever pressure and clutch engagement.

Part Number	Description	Remarks	Dealer Cost
90501-216A6-00	Clutch Springs	Qty. 4	

6. Adjust the clutch lever free play to 3 ~ 4mm after the engine is warmed up.

Performance Modifications (Cont'd.)

Shift Lever

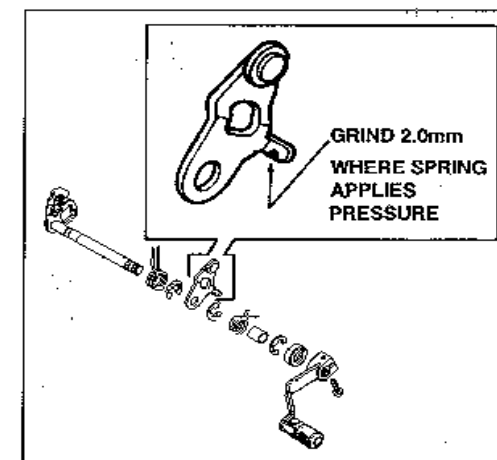
Depending on boot size and shape, and on the shifting style, some riders may want a shift lever that has a smoother contour. If so, use the following:

Part Number	Description	Dealer Cost
2VM-18110-00-00	Shift Pedal Ass'y	

To reduce shift stiction (notchiness), grind the shift stopper lever as shown.

CAUTION

Do not grind more than 2.0mm from the stopper lever. Do not grind the spring.



Foot Pegs

Some riders may prefer wider foot pegs. If so, use the following:

Part Number	Description	Dealer Cost
4DA-27411-00-00	Left Footrest	
4DA-27421-00-00	Right Footrest	

WARRANTY INFORMATION

This bulletin is for information only. There is no warranty for these modifications.

Also, as stated in the YZ Limited Warranty, failures caused by "modification to original parts" are specifically excluded from coverage.

Be sure customers whose units are still covered by warranty understand that the modifications described in this bulletin may result in warranty coverage being denied.