

FIG.1

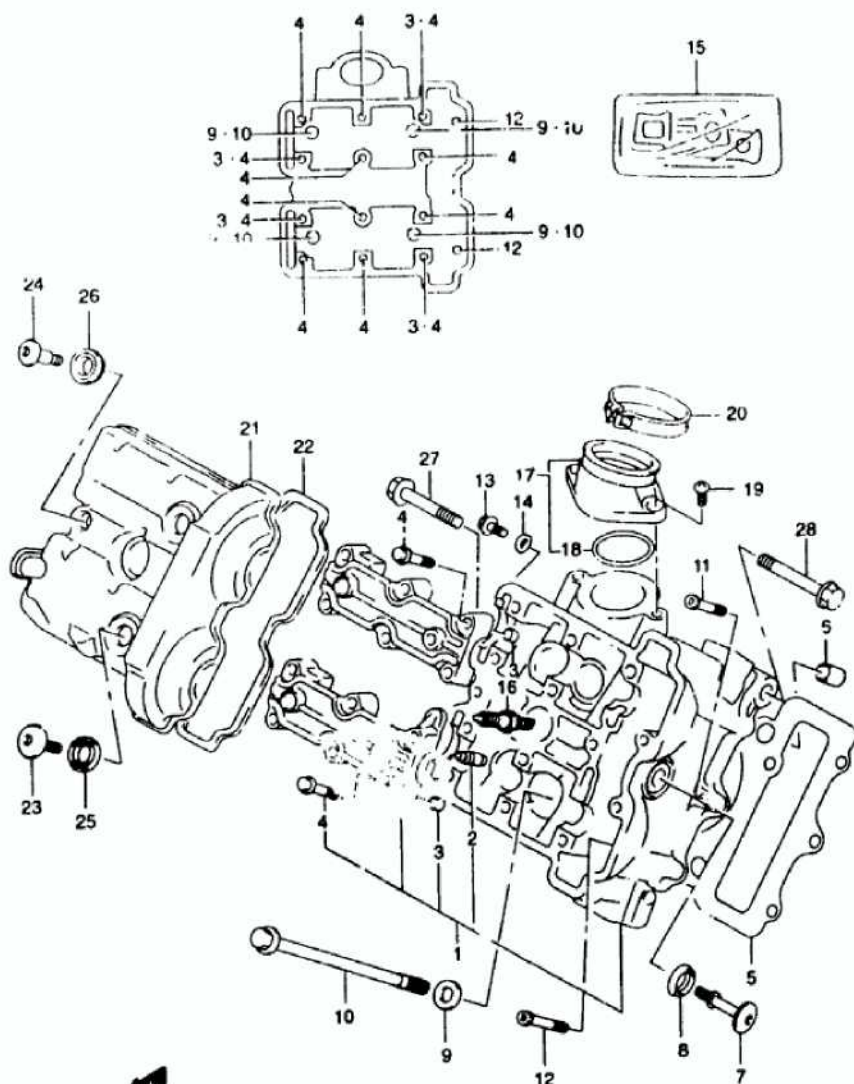


FIG 1 ( B-2)

## FRONT CYLINDER HEAD

REF.NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1-1	11101-20F00	HEAD ASSY, CYLINDER FRONT	1	
1-2	11101-20F10	HEAD ASSY, CYLINDER FRONT	1	E33
2	11115-16D72	GUIDE, VALVE	4	
3	09206-06G01	PIN (R 2X8X11)	4	
4	09103-06026	BOLT (6X39)	12	
5	11141-20F00	GASKET, CYLINDER HEAD	1	
6	04211-13189	PIN	2	
7	11161-33E00	BOLT, CYLINDER HEAD SIDE FACE	1	
8	11191-13E00	WASHER, HEAD COVER	1	
9	09150-10082	WASHER (10.5X19X2.0)	4	
10	09103-10272	BOLT (10X160)	4	
11	07120-06403	BOLT	1	
12	09103-06105	BOLT (6X70)	2	
13	07120-06123	BOLT	1	
14	09168-06023	GASKET (5.8X13X1.2)	1	
15	11401-20860	GASKET SET	1	OPT
16-1	09432-00456	SPARK PLUG (NGK,CR8E)	1	
16-2	09482-00457	SPARK PLUG (DENSO,U24ESR-N)	1	
16-3	09482-00458	SPARK PLUG (NGK,CR3E)	1	OPT
16-4	09432-00459	SPARK PLUG (DENSO,U27ESR-N)	1	OPT
16-5	09482-00460	SPARK PLUG (NGK,CR10F)	1	OPT
16-6	09482-00461	SPARK PLUG (DENSO,U31ESR-N)	1	OPT
17	13101-20F00	PIPE ASSY, INTAKE FRONT	1	
18	09280-46006	O RING	1	
19	02122-06163	SCREW	2	
20	09402-56208	CLAMP	1	
21	11171-19F00	COVER, CYLINDER HEAD FRONT	1	
22	11173-19F00	GASKET, CYLINDER HEAD COVER	1	
23	09106-07009	BOLT (7X17.5)	2	
24	09106-07010	BOLT (7X31)	1	
25	09161-11008	WASHER	2	
26	11192-13E00	CUSHION, HEAD COVER BOLT	1	
27	01550-10807	BOLT	1	
28	01550-10807	BOLT	1	

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FIG.2

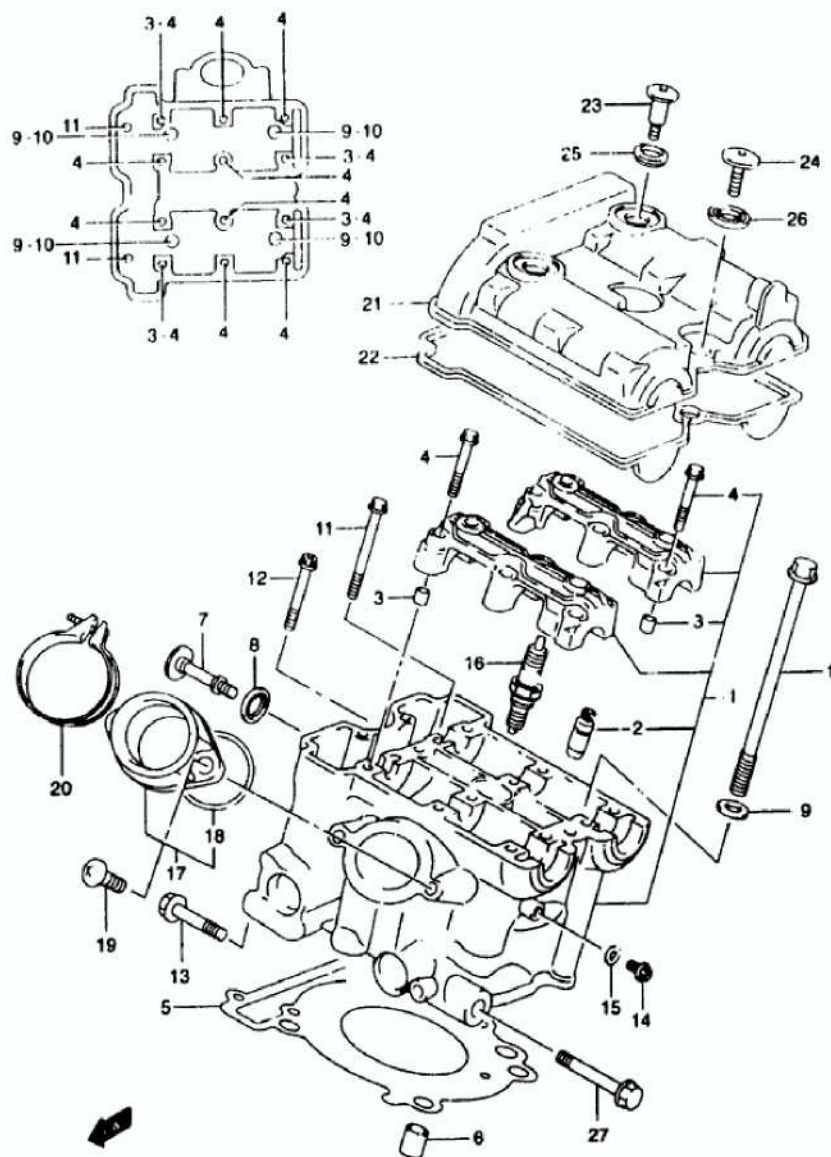


FIG 2 ( B-3)

## REAR CYLINDER HEAD

REF.NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1-1	11103-20F00	HEAD ASSY, CYLINDER REAR	1	
1-2	11103-20F10	HEAD ASSY, CYLINDER REAR	1	E33
2	11115-18D72	GUIDE, VALVE	4	
3	09206-08001	PIN (6 2X8X11)	4	
4	09103-06026	BOLT (6X39)	12	
5	11141-20F00	GASKET, CYLINDER HEAD	1	
6	04211-13189	PIN	2	
7	11161-33E00	BOLT, CYLINDER HEAD SIDE FACE	1	
8	11191-13E00	WASHER, HEAD COVER	1	
9	09160-10082	WASHER (10 5X19X2 0)	4	
10	09103-10272	BOLT (10X160)	4	
11	09103-06103	BOLT (6X70)	2	
12	07120-06403	BOLT	1	
13	01550-10557	BOLT	1	
14	07120-06123	BOLT	1	
15	09166-06023	GASKET (5 8X13X1 2)	1	
16-1	09482-00456	SPARK PLUG (NGK,CR8E)	1	
16-2	09482-00457	SPARK PLUG (DENSO,U24ESR-N)	1	
16-3	09482-00458	SPARK PLUG (NGK,CR9E)	1	OPT
16-4	09482-00459	SPARK PLUG (DENSO,U27ESR-N)	1	OPT
16-5	09482-00460	SPARK PLUG (NGK,CR10E)	1	OPT
16-6	09482-00461	SPARK PLUG (DENSO,U31ESR-N)	1	OPT
17	13102-20F00	PIPE ASSY, INTAKE REAR	1	
18	09280-46006	O RING	1	
19	02122-06163	SCREW	2	
20	09402-56208	CLAMP	1	
21	11172-19F00	COVER, CYLINDER HEAD REAR	1	
22	11173-19F00	GASKET, CYLINDER HEAD COVER	1	
23	09106-07009	BOLT (7X17.5)	2	
24	09106-07010	BOLT (7X31)	1	
25	09161-11008	WASHER	2	
26	11192-13E00	CUSHION, HEAD COVER BOLT	1	
27	01550-10807	BOLT	1	

FIG.3

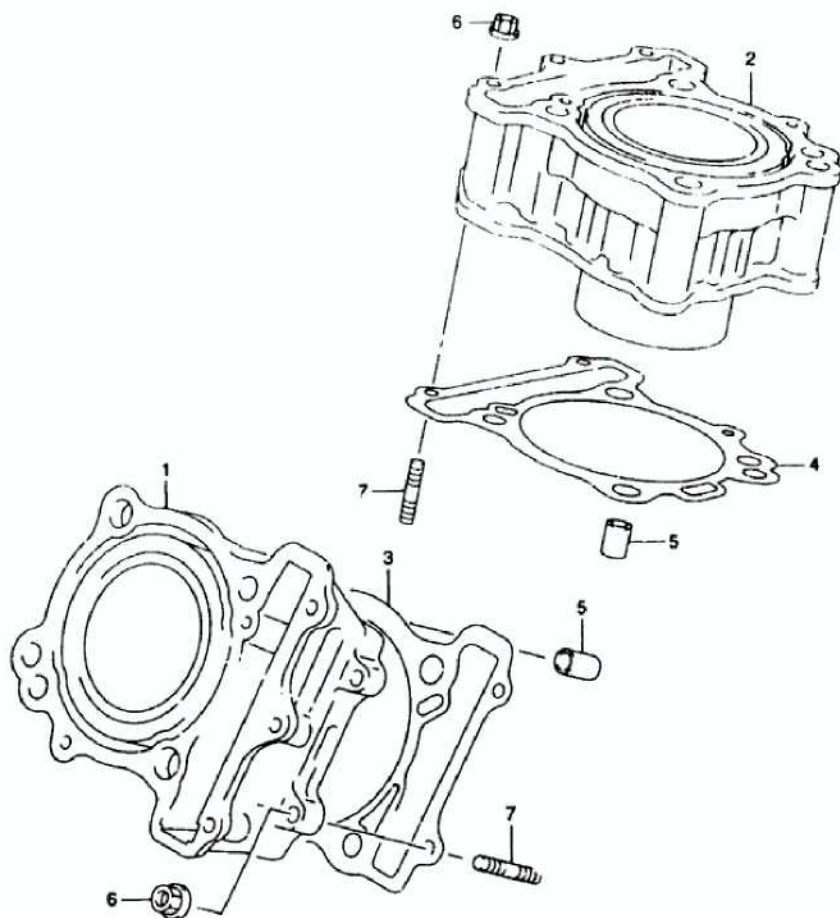


FIG.3 ( B-4)

CYLINDER

REF.NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1-1	11210-20F00-0F0	CYLINDER, FRONT	1	
1-2	11210-20F10-0F0	CYLINDER, FRONT	1	E33
2-1	11220-20F00-0F0	CYLINDER, REAR	1	
2-2	11220-20F10-0F0	CYLINDER, REAR	1	E33
3	11241-19F00	GASKET, CYLINDER FRONT	1	
4	11241-19F00	GASKET, CYLINDER REAR	1	
5	04211-13189	PIN	4	
6	08316-10063	NUT	4	
7	J1421-06253	STUD BOLT	4	



FIG.4

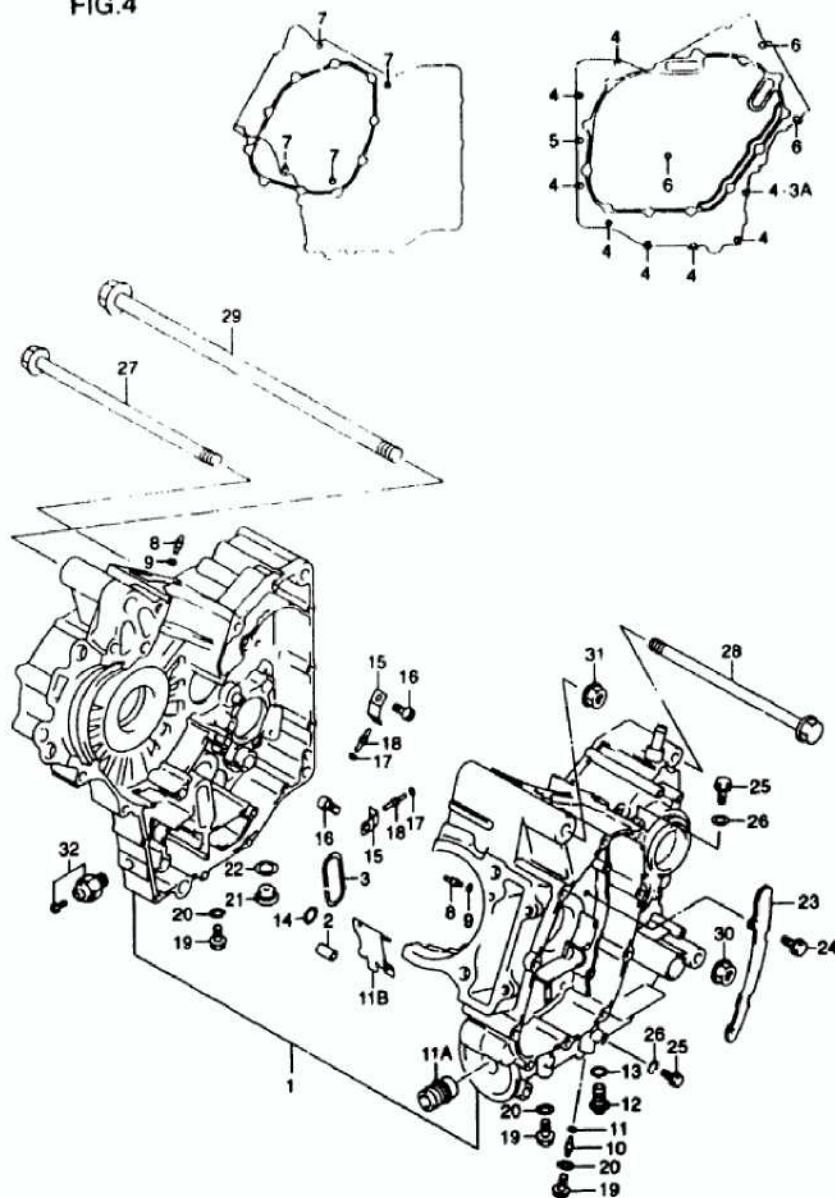


FIG 4 ( B-5)

## CRANKCASE

REF.NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1-1	11301-20830	CRANKCASE SET	1	
1-2	11301-20831	CRANKCASE SET	1	E NO 111683-
1-3	11301-20840	CRANKCASE SET	1	E33
2	09206-11017	PIN (11X20)	2	
3	11315-19F00	O RING, CRANKCASE	1	
3A	09168-06023	GASKET (5.8X13X1.2)	1	E NO 111683-
4	01547-06503	BOLT	8	
5	01547-06507	BOLT	1	
6	07120-08553	BOLT	3	
7	07120-08803	BOLT	4	
8	09493-28010	JET, OIL GALLERY CYLINDER	2	
9	09280-04004	O RING (D 12 ID 4.0)	2	
10	09493-28010	JET, OIL GALLERY MISSION	1	
11	09280-04004	O RING (D 12 ID 4.0)	1	
11A	16591-06B00	UNION, OIL FILTER STAND	1	
11B	11391-20F10	PLATE, OIL	1	
12	09247-12106	PLUG (12X20)	1	
13	09168-12002	GASKET (12.1X16.2X3.7)	1	
14	09280-12009	O RING (D 19 ID 12.6)	1	
15	16438-19F00	PLATE, PISTON COOLING JET	2	
16	09106-06075	BOLT (6X12)	2	
17	09280-04004	O RING (D 12 ID 4.0)	2	
18	09493-26007	JET (130)	2	
19	01550-08123	BOLT	3	
20	09168-08029	GASKET	3	
21	09248-16012	PLUG	1	
22	09168-16002	GASKET (16X22X2)	1	

\*\*\*\*Engine Cases and Frames for this model must be ordered on the Frame/Engine Case Order Form (99924-FC003). If you have any questions regarding these procedures, please call our Parts Coordinator before placing your order.

FIG.4

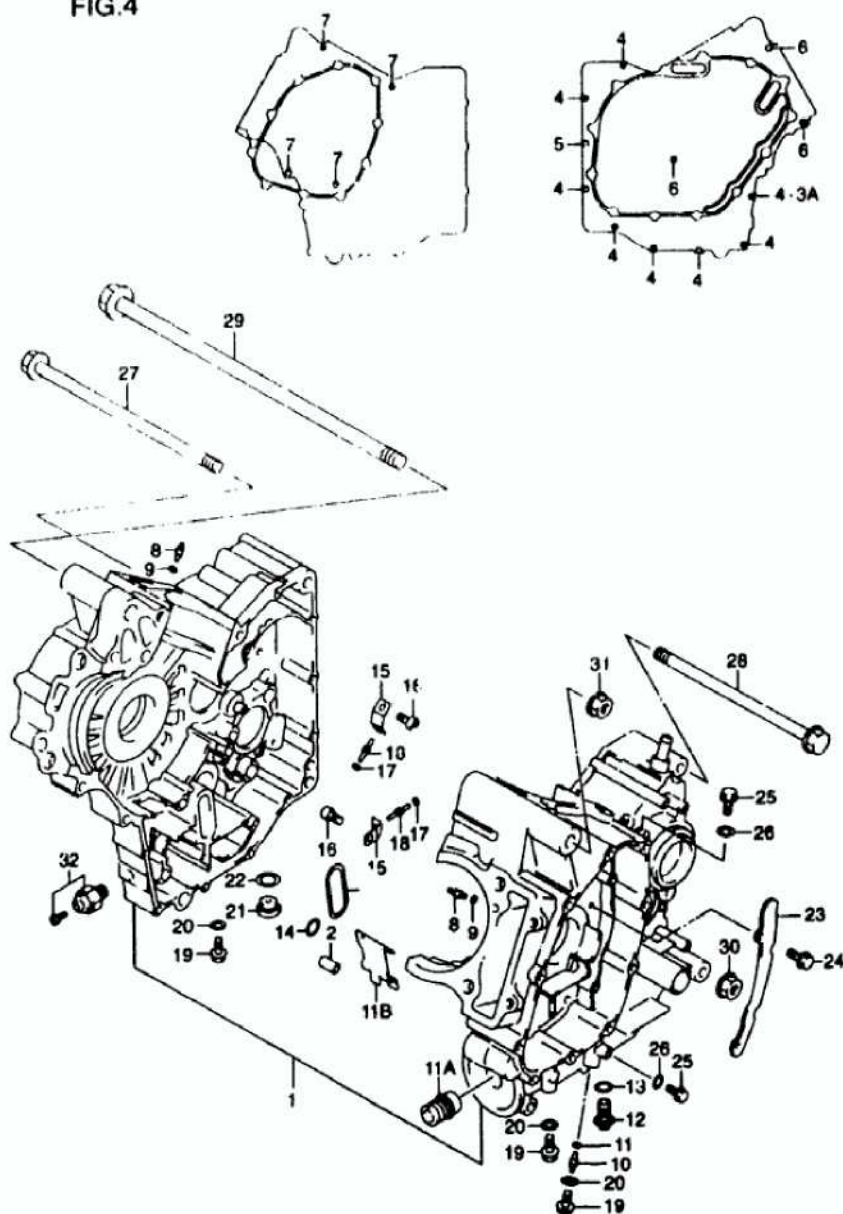


FIG 4 ( B-6)

## CRANKCASE

REF.NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
23	11323-19F00	PLATE, OIL SEPARATOR	1	
24	01547-06123	BOLT	2	
25	01550-06123	BOLT	2	
26	09168-06023	GASKET (5.8X13X1.2)	2	
27	09103-10226	BOLT (10X260)	1	
28	09103-10041	BOLT (10X215)	1	
29	09103-12054	BOLT (12X310)	1	
30	08319-31107	NUT	1	
31	08319-31128	NUT	1	
32	37820-33D00	SWITCH ASSY OIL PRESSURE	1	

FIG.5

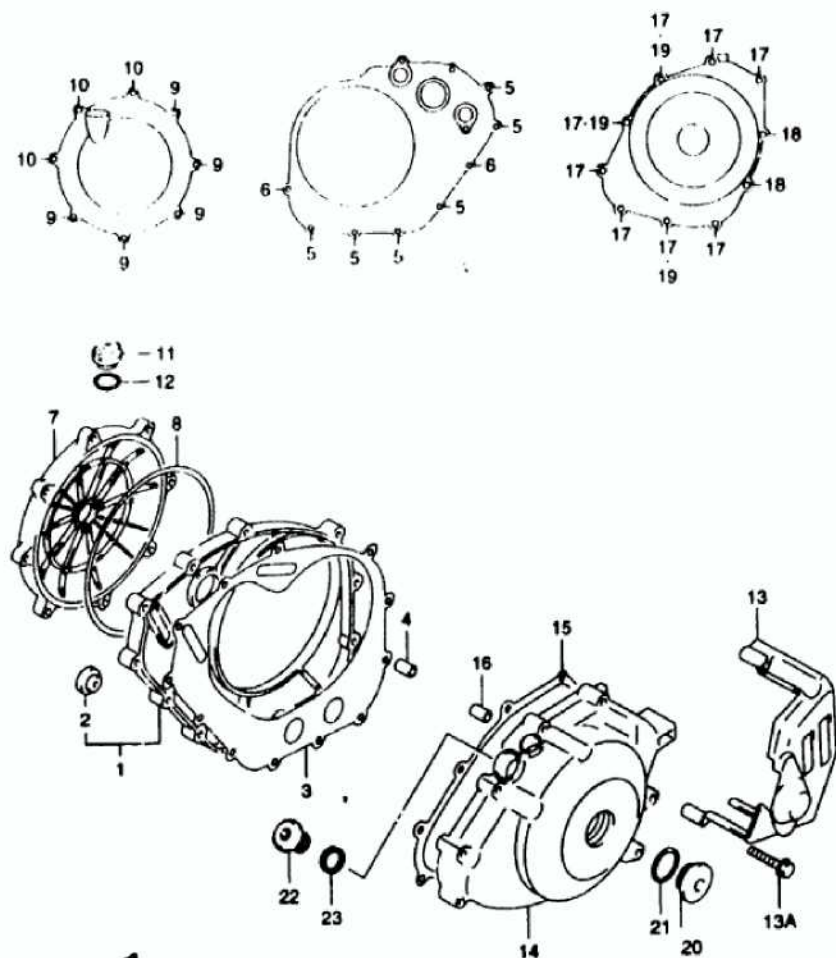


FIG 5 ( B-7)

## CRANKCASE COVER

REF.NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	11340-19F00	COVER, CLUTCH INNER	1	
2	11971-33210	LENS, OIL LEVEL CHECK	1	
3	11482-19F00	GASKET, CLUTCH COVER INNER	1	
4	04211-09149	PIN	2	
5	09103-06204	BOLT	6	
6	09103-06205	BOLT	2	
7	11370-19F00	COVER, CLUTCH OUTER	1	
8	11484-19F00	O RING, CLUTCH COVER OUTER	1	
9	09103-06180	BOLT	5	
10	09103-06207	BOLT	3	
11	09259-20008	PLUG	1	
12	09280-17003	O RING (D 31 ID 16.8)	1	
13	11361-19F00	COVER, ENGINE SPROCKET	1	
13A	01547-06457	BOLT	3	
14	11351-19F00	COVER, MAGNETO	1	
15	11483-19F00	GASKET, MAGNETO COVER	1	
16	04211-09149	PIN	2	
17	01547-06357	BOLT	8	
18	01547-06657	BOLT	2	
19-1	09168-06023	GASKET (5.8X13X1.2)	1	
19-2	09168-06023	GASKET (5.8X13X1.2)	3	E NO 111683-
20	09259-26012	PLUG	1	
21	09280-22008	O RING (D 31 ID 22.7)	1	
22	09248-16012	PLUG	1	
23	09168-16002	GASKET (13.8X18.8X0.4)	1	

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FIG.6

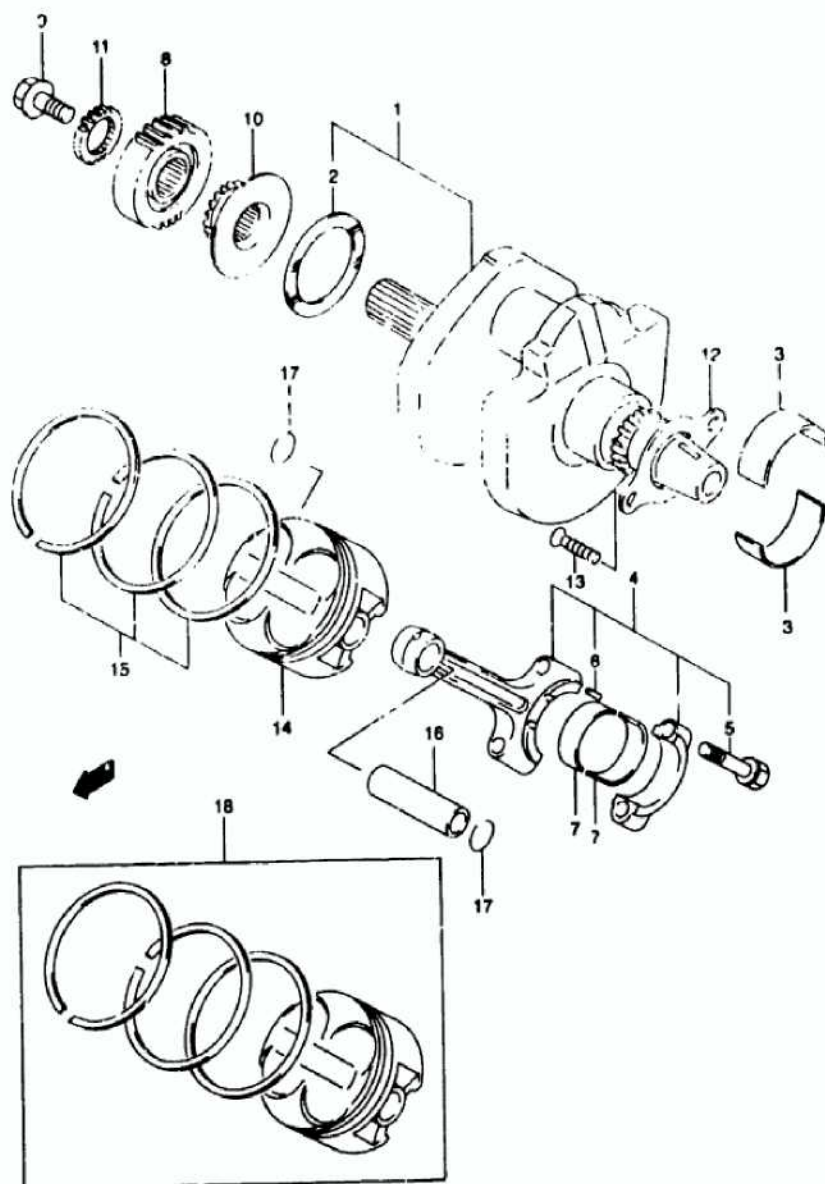


FIG.6 ( B-8), CRANKSHAFT

REF.NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	12000-20840	CRANKSHAFT SET	1	
2-1	12728-19F00-0A1	WASHER, THRUST (T 1 925)	1	
2-2	12228-19F00-0B0	WASHER, THRUST (T 1 95)	1	
2-3	12228-19F00-0C0	WASHER, THRUST (T 1 975)	1	
2-4	12228-19F00-0D0	WASHER, THRUST (T 2 0)	1	
2-5	12228-19F00-0E0	WASHER, THRUST (T 2 025)	1	
2-6	12228-19F00-0F0	WASHER, THRUST (T 2 05)	1	
2-7	12228-19F00-0G0	WASHER, THRUST (T 2 075)	1	
2-8	12228-19F00-0H0	WASHER, THRUST (T 2 1)	1	
2-9	12228-19F00-0I0	WASHER, THRUST (T 2 125)	1	
2-10	12228-19F00-0J0	WASHER, THRUST (T 2 15)	1	
3-1	12229-19F10-0A0	BEARING, CRANKSHAFT	4	SEE
3-2	12229-19F10-0B0	BEARING, CRANKSHAFT	4	NOTE
3-3	12229-19F10-0C0	BEARING, CRANKSHAFT	4	BELOW
4	12160-20F00	CONNECTING ROD ASSY	2	
5	12163-17C50	BOLT, CONNECTING ROD	4	
6	12165-27A50	PIN, CONNECTING ROD	4	
7-1	12164-46E01-0A0	BEARING, CRANK PIN	4	SEE
7-2	12164-46E01-0B0	BEARING, CRANK PIN	4	NOTE
7-3	12164-46E01-0C0	BEARING, CRANK PIN	4	BELOW
7-4	12164-46E01-0D0	BEARING, CRANK PIN	4	
8	21111-20F00	GEAR, PRIMARY DRIVE		
9	21112-19F00	BOLT, PRIMARY DRIVE GEAR		
10	12731-19F00	SPROCKET, CAM CHAIN DRIVE	1	
11	17451-19F00	GEAR, WATER PUMP DRIVE	1	
12	12541-20F00	RETAINER, CRANKSHAFT BRG LH	1	
13	09126-06011	SCREW	2	
14	12111-20F00-0F0	PISTON	2	
15	12140-20F00	RING SET, PISTON	2	
16	12151-05A00	PIN, PISTON	2	
17	09381-20004	CIRCLIP	4	
18-1	12100-20F00-050	PISTON SET (OS.0.5)	2	OPT
18-2	12100-20F00-100	PISTON SET (OS.1.0)	2	OPT

## NOTE:

THERE IS A BEARING KIT  
AVAILABLE FOR THIS MODEL  
SV650 X (1999)  
PART # 99104-BRGKT-020  
REFER TO PARTS BULLETIN  
# 431-92-02 FOR EXPLANATION

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FIG.7

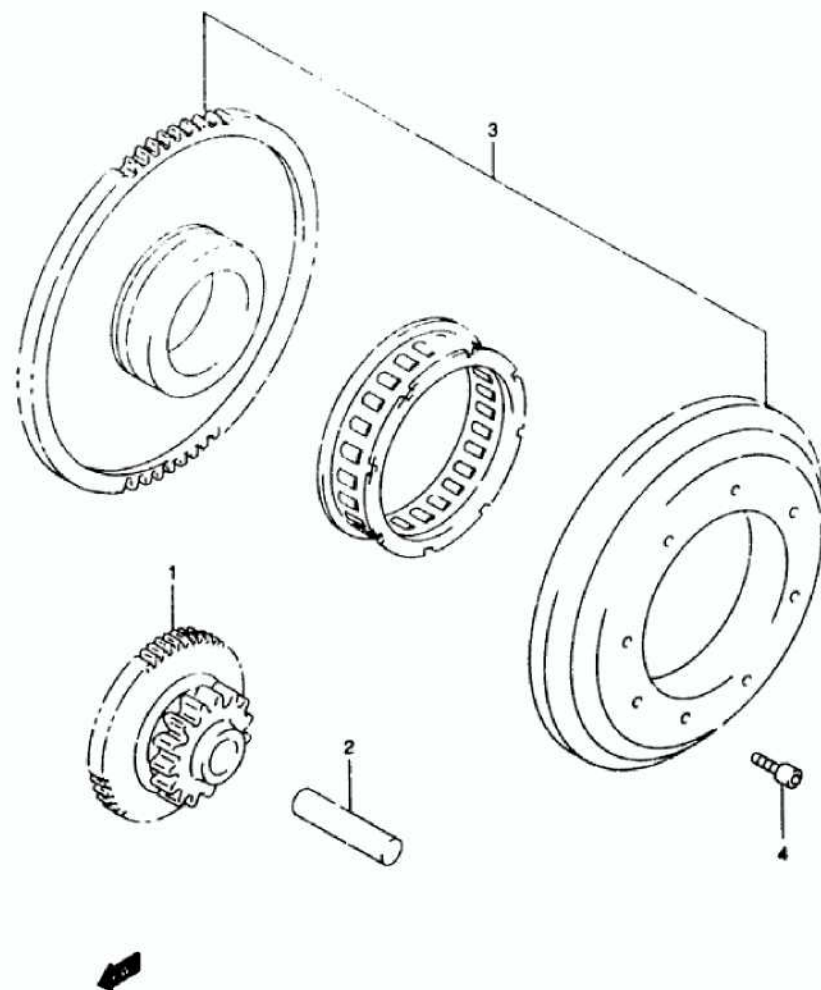


FIG 7 ( C-2)

STARTER CLUTCH

REF.NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	12611-20F01	GEAR, STARTER IDLE	1	
2	09206-12001	PIN	1	
3	12600-20840	CLUTCH SET, STARTER	1	
4	07130-08163	BOLT	6	

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AIR CLEANER..... C-08	CRANKCASE COVER.... I-07	FRONT BRAKE HOSE... I-07	GEAR SHIFTING.... D-12	OPTIONAL..... J-07	REAR WHEEL..... J-04	TRANSMISSION..... D-10
BATTERY..... E-04	CRANKCASE..... B-05	FRONT CALIPER..... I-04	HEADLIGHT..... M-02	STARTER HOSE..... H-07	SEAT TAIL COVER.... H-11	TURNSIGNAL LAMP.... F-06



FIG.8

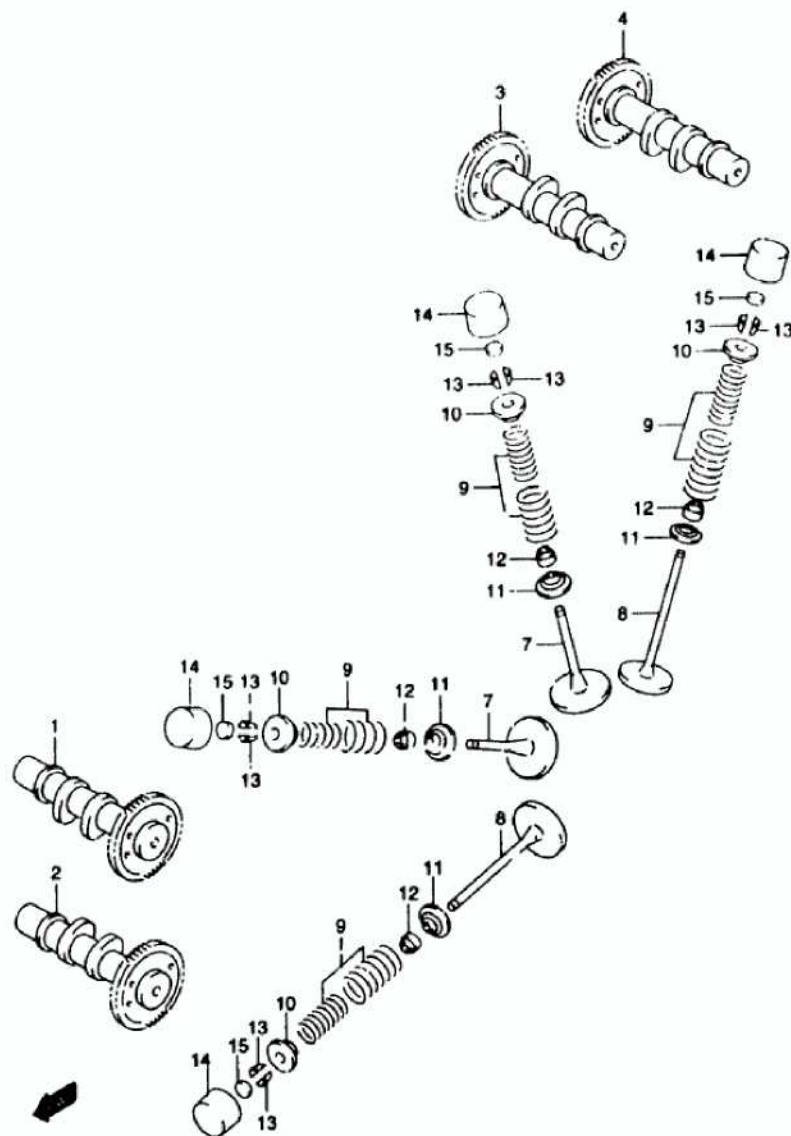


FIG.8 ( C-3)

## CAM SHAFT / VALVE

REF.NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	12710-20F00	CAM SHAFT, INTAKE FRONT	1	
2	12720-20F00	CAM SHAFT, EXHAUST FRONT	1	
3	12730-20F00	CAM SHAFT, INTAKE REAR	1	
4	12740-20F00	CAM SHAFT, EXHAUST REAR	1	
5	12800-05820	SHIM SET, TAPPET	1	OPT NO1 SHOWN
6	99000-69491	CASE, TAPPET SHIM	1	
7	12911-46E00	VALVE, INTAKE	4	
8	12912-20F00	VALVE, EXHAUST	4	
9	12920-33E10	SPRING SET, VALVE	8	
10	12931-33E10	RETAINER, VALVE SPRING	8	
11	12933-39E00	SEAT, VALVE SPRING	8	
12	09289-04002	OIL SEAL (4.5X10X8)	8	
13	12932-17E50	COTTER, VALVE	16	
14	12891-17E00	TAPPET	8	
15-1	12892-05C00-120	SHIM, TAPPET (T 1.20)	8	
15-2	12892-05C00-125	SHIM, TAPPET (T 1.25)	8	
15-3	12892-05C00-130	SHIM, TAPPET (T 1.30)	8	
15-4	12892-05C00-135	SHIM, TAPPET (T 1.35)	3	
15-5	12892-05C00-140	SHIM, TAPPET (T 1.40)	8	
15-6	12892-05C00-145	SHIM, TAPPET (T 1.45)	8	
15-7	12892-05C00-150	SHIM, TAPPET (T 1.50)	8	
15-8	12892-05C00-155	SHIM, TAPPET (T 1.55)	8	
15-9	12892-05C00-160	SHIM, TAPPET (T 1.60)	8	
15-10	12892-05C00-165	SHIM, TAPPET (T 1.65)	8	
15-11	12892-05C00-170	SHIM, TAPPET (T 1.70)	8	
15-12	12892-05C00-175	SHIM, TAPPET (T 1.75)	8	
15-13	12892-05C00-180	SHIM, TAPPET (T 1.80)	8	
15-14	12892-05C00-185	SHIM, TAPPET (T 1.85)	8	
15-15	12892-05C00-190	SHIM, TAPPET (T 1.90)	8	
15-16	12892-05C00-195	SHIM, TAPPET (T 1.95)	8	
15-17	12892-05C00-200	SHIM, TAPPET (T 2.00)	8	
15-18	12892-05C00-205	SHIM, TAPPET (T 2.05)	8	
15-19	12892-05C00-210	SHIM, TAPPET (T 2.10)	8	
15-20	12892-05C00-215	SHIM, TAPPET (T 2.15)	8	
15-21	12892-05C00-220	SHIM, TAPPET (T 2.20)	8	

FIG.9

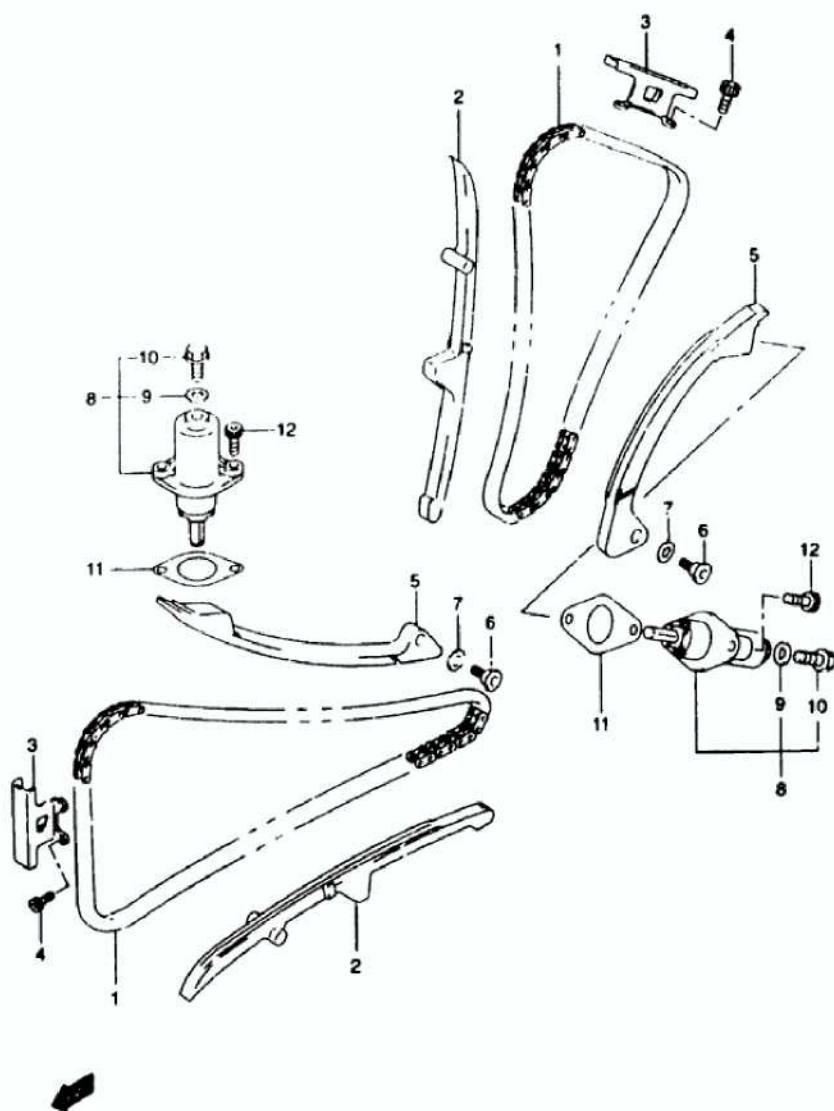


FIG.9 ( C-4)

## CAM CHAIN

REF.NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	12760-19F00	CHAIN, CAM SHAFT DRIVE	2	
2	12771-19F00	GUIDE, CAM CHAIN NO 1	2	
3	12782-19F00	GUIDE, CAM CHAIN NO 2	2	
4	07130-06123	BOLT	6	
5	12811-19F00	TENSIONER, CAM CHAIN	2	
6	12812-35C00	BOLT, CAM CHAIN TENSIONER	2	
7	08211-06181	WASHER	2	
8	12830-19F10	ADJUSTER ASSY, TENSIONER	2	
9	12837-33E00	GASKET, TENSIONER ADJUSTER	2	
10	12834-33E00	PLUG, TENSIONER ADJUSTER	2	
11	12837-24A10	GASKET, TENSIONER ADJUSTER	2	
12	07130-06253	BOLT	4	

FIG.10

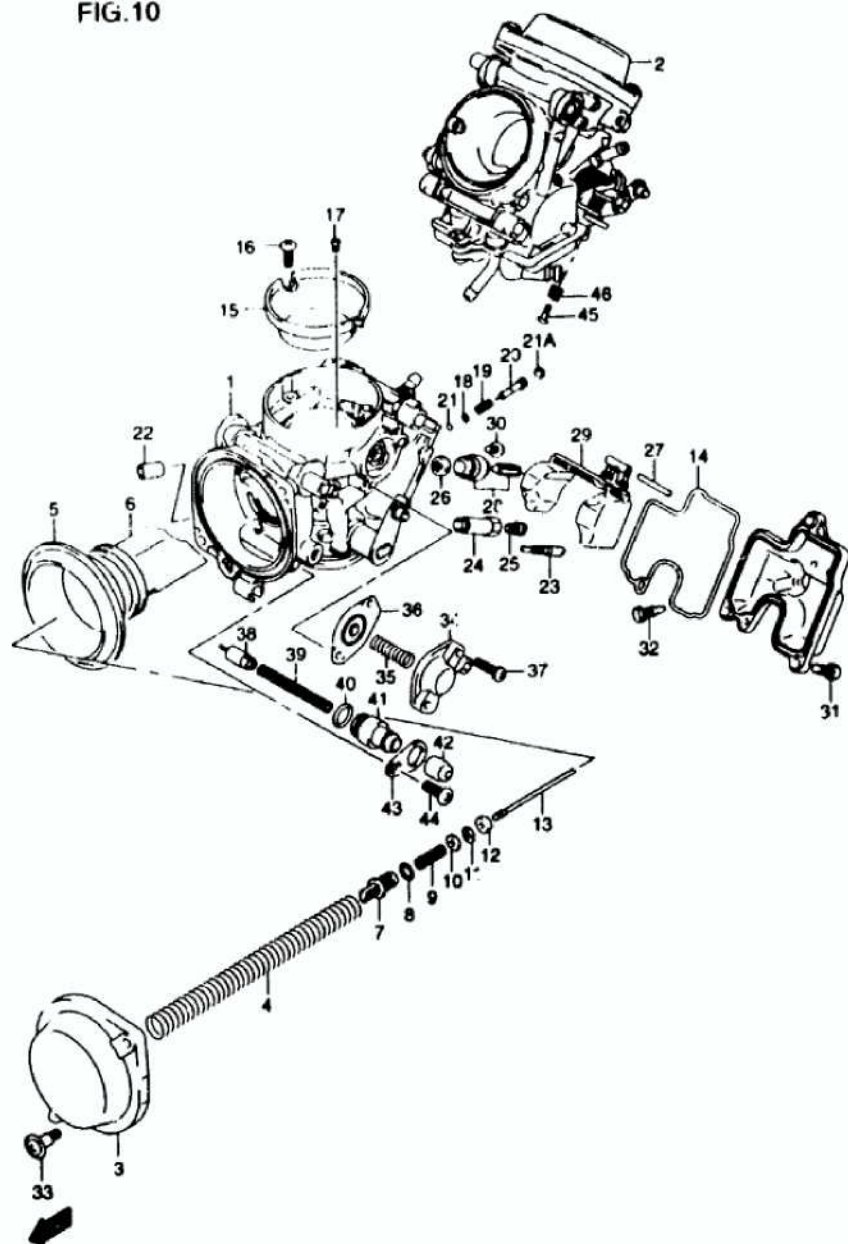


FIG 10 ( C-5)

## CARBURETOR

REF.NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1-1	13201-20F20	CARBURETOR ASSY. FRONT	1	
1-2	13201-20F40	CARBURETOR ASSY. FRONT	1	E33
2-1	13202-20F20	CARBURETOR ASSY. REAR	1	
2-2	13202-20F40	CARBURETOR ASSY. REAR	1	E33
3	13502-07F00	COVER ASSY. DIAPHRAGM	2	
4	13481-19F00	SPRING	2	
5	13507-33E00	DIAPHRAGM	2	
6	13501-33E00	VALVE PISTON	2	
7	13418-33E00	HOLDER	2	
8	09280-05004	O RING (D 19 ID 4 B)	2	
9	13481-33E00	SPRING	2	
10	13382-44030	WASHER	2	
11	13394-17E60	E RING	2	
12	13387-33E00	RING	2	
13-1	13383-20F30	NEEDLE JET (6E42-54-1)	2	
13-2	13383-20F40	NEEDLE JET (6E43-54-1)	2	E33
14	13258-33E00	O RING	2	
15	13667-20F00	FUNNEL	2	
16	02112-04123	SCREW	4	
17-1	09493-32007	JET. PILOT AIR (160)	2	
17-2	09492-30013	JET. PILOT AIR (150)	2	E33
18	13291-29900	WASHER	2	
19	13268-48700	SPRING	2	
20	13279-19F10	ADJUSTER (2 3/4)	2	
21	13295-29900	O RING	2	
21A	13281-05A00	PLUG	2	
22	13508-17C00	CAP	1	FRONT
23	09492-15017	JET. PILOT (15)	2	
24	13385-33E00	HOLDER, JET	2	
25	09491-27014	JET. MAIN (137.5)	2	



FIG.10

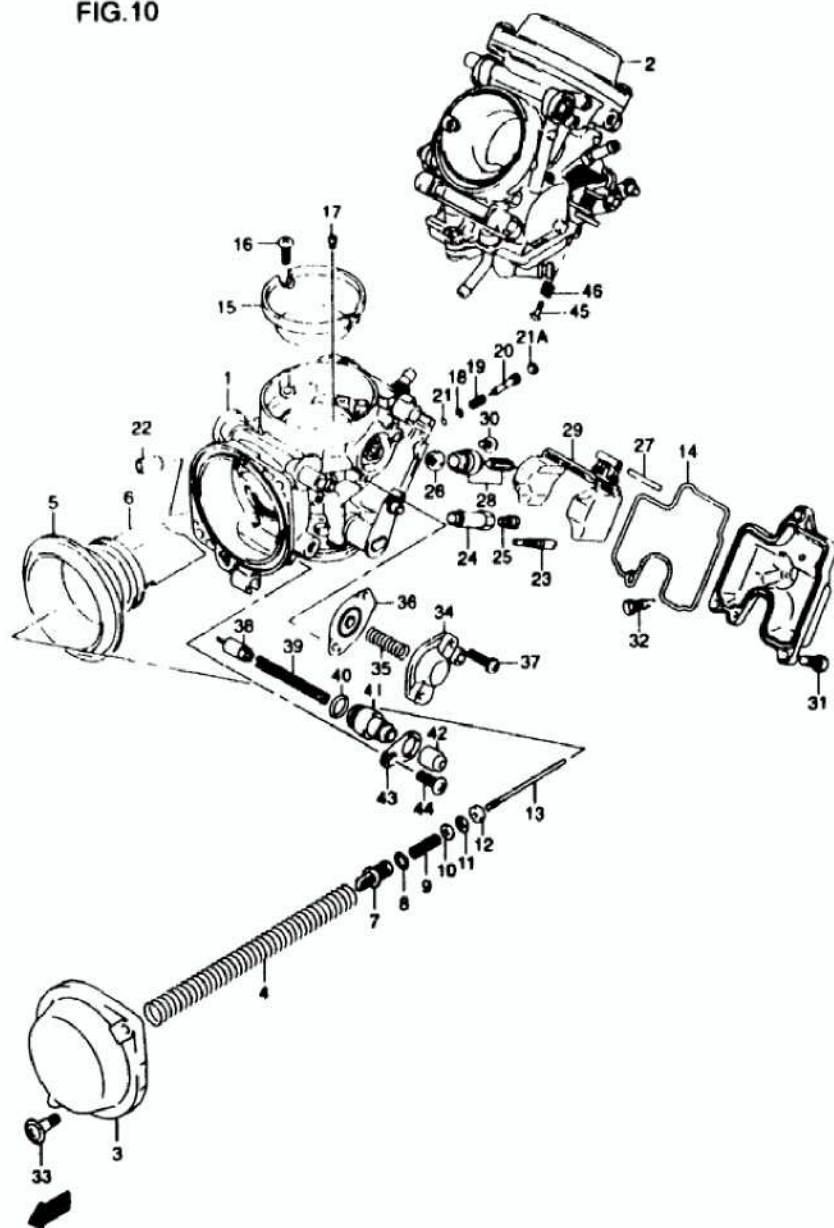


FIG 10 ( C-6)

## CARBURETOR

REF.NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
26	13376-19F00	FILTER	2	
27	13254-92910	FLOAT PIN	2	
28	13370-20F00	VALVE ASSY. NEEDLE	2	
29	13250-33E00	FLOAT ASSY	2	
30	13602-05A10	SCREW	2	
31	02112-05127	SCREW	6	
32	13247-13A00	SCREW DRAIN	2	
33	13247-33E00	SCREW	4	
34	13502-10F00	COVER ASSY	2	
35	13417-19F00	SPRING	2	
36	13480-10F00	DIAPHRAGM ASSY	2	
37	13601-04148	SCREW	4	
38	13411-01400	PLUNGER STARTER	2	
39	13417-07F00	SPRING	2	
40	13278-18E20	O RING	2	
41	13418-19F00	HOLDER GUIDE	2	
42	13681-04010	CAP CARBURETOR	2	
43	13421-19F00	PLATE	2	
44	13601-05148	SCREW	2	
45	13267-44B00	SCREW	1	REAR
46	13271-44B00	SPRING	1	REAR

FIG.11

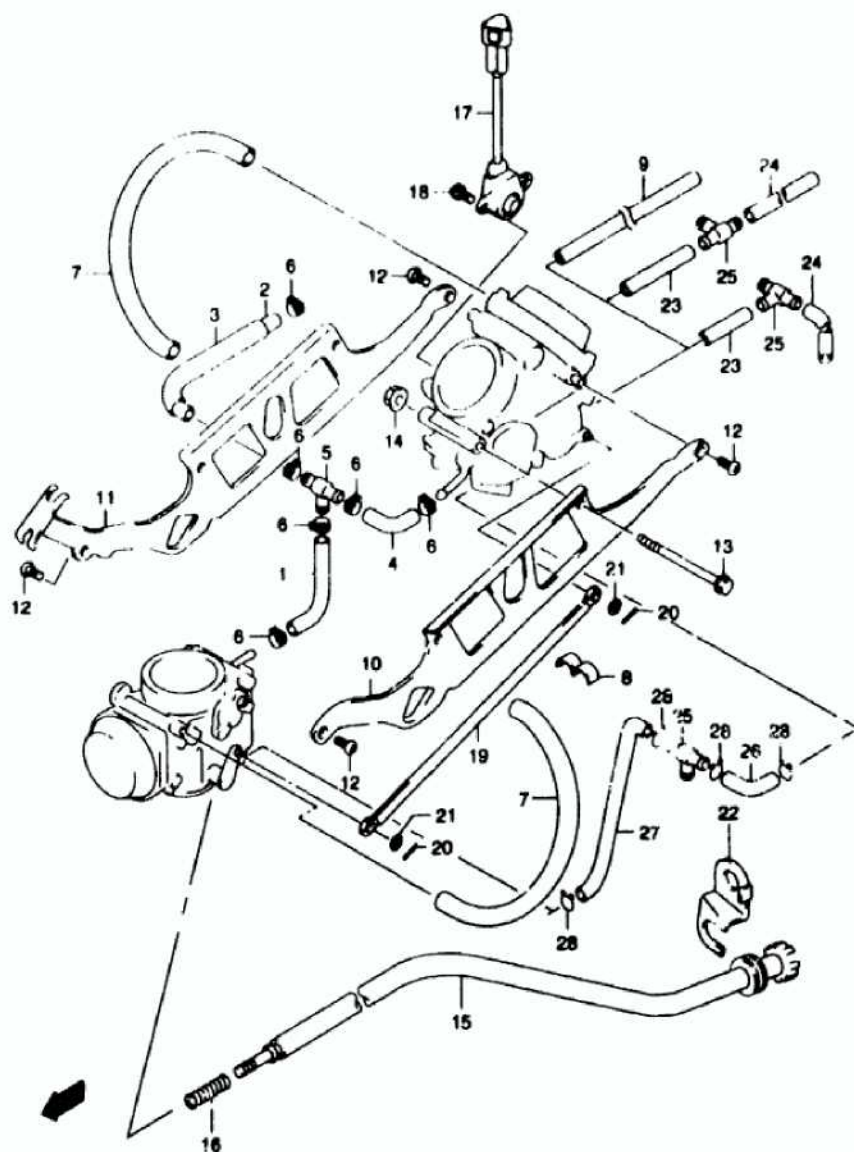


FIG 11 ( C-7)

## CARBURETOR FITTINGS

REF.NO.	PART NO.	DESCRIPTION	Q' TY	REMARKS
1	13684-48810	HOSE	1	
2	13684-19F00	HOSE (5 3X10 5X125)	1	
3	13684-19F10	HOSE (11X15X90)	1	
4	13684-19F20	HOSE (5 3X10 5)	1	
5	13685-48800	NIPPLE	1	
6	13671-19F00	CLIP	6	
7	13686-19F00	HOSE (7X11X250)	2	
8	13671-19F10	CLIP	1	
9	09352-50903-600	HOSE (5X9X100)	1	E3 E28 L 600 →175
10	13482-20F00	PLATE	1	
11	13447-20F00	PLATE	1	
12	13602-05109	SCREW	4	
13	13612-19F00	BOLT	2	
14	13324-19F00	NUT	2	
15	13267-19F00	ADJUST SCREW ASS.	1	
16	13271-33C00	SPRING	1	
17	13580-19F00	SENSOR ASSY	1	
18	13602-19B50	SCREW	2	
19	13553-19F00	LEVER ASSY	1	
20	13563-19F00	PIN	2	
21	13615-45010	WASHER	2	
22	13279-19F00	PLATE, IDLE ADJUST	1	
23-1	13683-10D20	HOSE (5X9X60)	1	E33
23-2	13684-20F30	HOSE (5X9X40)	1	E33
24	09352-50901-600	HOSE (5X9X60)	1	E33 L 600 →125
25	13685-48800	NIPPLE	2	E33
26	13684-19F20	HOSE (5 3X10 5)	1	E33
27	13687-20F40	HOSE (5 3X10 5)	1	E33
28	09401-10410	CLIP	4	E33

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C7

AIR CLEANER.....	C-08	CRANKCASE COVER.....	B-07	FRONT BRAKE HOSE.....	I-07	GEAR SHIFTING.....	D-12	OPTIONAL.....	J-07	REAR WHEEL.....	J-04	TRANSMISSION.....	D-10
BATTERY.....	E-04	CRANKCASE.....	B-05	FRONT CALIPER.....	I-06	HANDLE BAR.....	H-02	RADIATOR HOSE.....	D-07	SEAT TAIL COVER.....	H-11	TURN SIGNAL LAMP.....	F-04
CAM CHAIN.....	C-04	CRANKSHAFT.....	B-08	FRONT CYLINDER HEAD.....	B-02	HANDLE COVER.....	H-04	RADIATOR.....	D-04	SEAT.....	H-10	WARNING LABEL.....	H-09
CAM SHAFT / VALVE.....	C-03	CYLINDER.....	B-04	FRONT FENDER.....	G-11	HANDLE SWITCH.....	F-11	REAR CALIPER.....	J-05	SPEEDOMETER.....	F-07	WATER PUMP.....	D-04
CARBURETOR FITTINGS.....	C-07	ELECTRICAL.....	E-04	FRONT FORK DAMPER.....	I-05	MEAT JUMP MOUNTING.....	G-10	REAR CUSHION LEVER.....	J-03	STAND.....	G-03	WIRING HARNESS.....	F-09

FIG.12

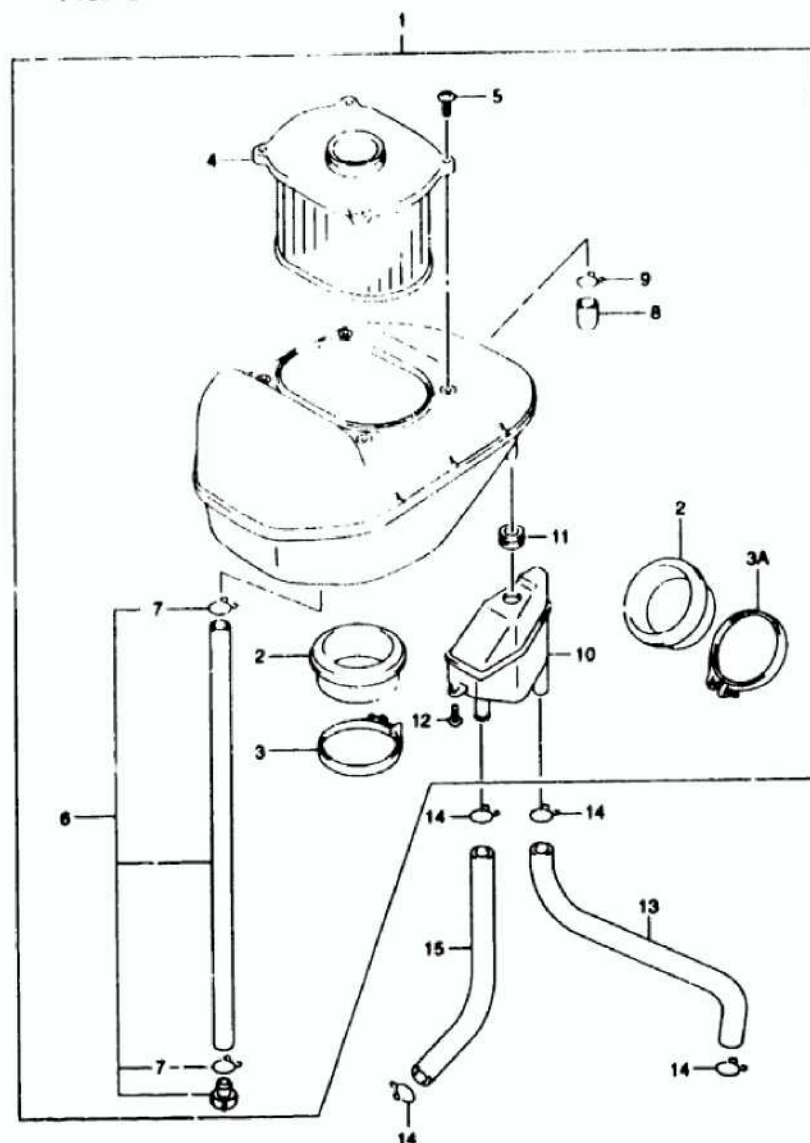


FIG 12 ( C-8)

## AIR CLEANER

REF.NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1-1	13700-20F00	CLEANER ASSY. AIR	1	
1-2	13700-20F10	CLEANER ASSY. AIR	1	E33
2	13881-20F00	TUBE, OUTLET	2	
3	13170-20F10	CLAMP, OUTLET TUBE FRONT	1	
3A	13170-20F00	CLAMP, OUTLET TUBE REAR	1	
4	13780-20F00	FILTER, AIR CLEANER	1	
5	02142-05203	SCREW	4	
6-1	13870-19F00	TUBE, DRAIN	1	
6-2	13870-20F10	TUBE, DRAIN	1	E33
7	09401-14301	CLIP	2	
8	13859-41B10	PLUG	1	EXCEPT E33
9	09401-14301	CLIP	1	EXCEPT E33
10	13840-20F00	TANK, OIL RETURN	1	
11	09308-13001	GROMMET	1	
12	03142-05163	SCREW	2	
13	13851-20F00	TUBE, BREATHER CRANKCASE	1	
14	09401-15101	CLIP	4	
15	09355-11165-600	TUBE, BREATHER CYLINDER (11X16X600)	1	L 600 +220

14 SV650 Y E3/E33

C8

AIR CLEANER.....	C-08	CRANKCASE COVER....	B-07	FRONT BRAKE HOSE....	I-07	GEAR SHIFTING.....	D-12	OPTIONAL.....	J-01	REAR WHEEL.....	J-04	TRANSMISSION.....	D-10
BATTERY.....	E-04	CRANKCASE.....	B-05	FRONT CALIPER.....	I-04	HANDLE BAR.....	H-02	RADIATOR HOSE.....	J-07	SEAT TAIL COVER....	H-11	TURN SIGNAL LAMP....	F-06
CAM CHAIN.....	C-04	CRANKSHAFT.....	B-08	FRONT CYLINDER HEAD	B-02	HANDLE LEVER.....	F-04	RADIATOR.....	J-04	SHOCK.....	H-10	WARNING LABEL.....	H-09
CAM SHAFT / VALVE..	C-03	CYLINDER.....	B-04	FRONT FENDER.....	G-11	HANDLE SWITCH.....	F-11	REAR CALIPER.....	J-05	SPARK PLUG.....	F-02	WATER PUMP.....	D-04
										SYSTEM MANNERS...	C-08		



FIG.13

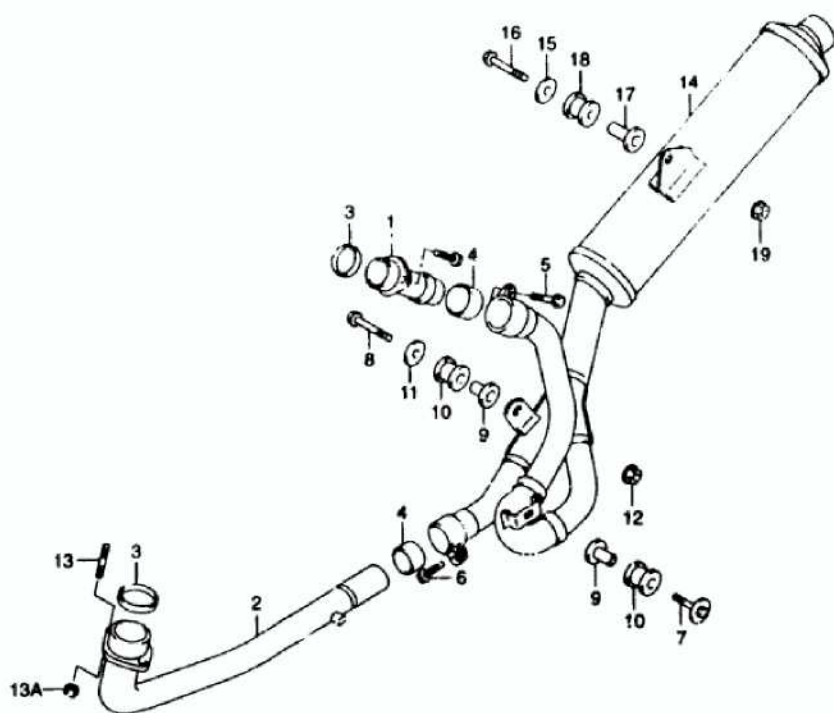


FIG 13 ( D-2)

## MUFFLER

REF.NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	14150-19F00	PIPE, EXHAUST REAR	1	
2	14160-19F10	PIPE, EXHAUST FRONT	1	
3	14181-22D01	GASKET, EXHAUST PIPE	2	
4	14771-32E00	CONNECTOR, MUFFLER	2	
5	07120-08403	BOLT	1	
6	07120-08403	BOLT	1	
7	09118-08068	BOLT (8X40)	1	
8	01550-08457	BOLT	1	
9	09180-08152	SPACER (8 6X17X24 2)	2	
10	09320-12048	CUSHION	2	
11	09160-08138	WASHER (8 5X30X2 3)	1	
12	08361-25088	NUT	1	
13	01421-08253	BOLT, STUD (8X25)	4	
13A	08319-31087	NUT	4	
14	14105-19F11-H01	MUFFLER	1	
15	09160-08140	WASHER (8 5X33X2 6)	1	
16	01550-08457	BOLT	1	
17	09180-08156	SPACER (8 6X12X25 5)	1	
18	09320-12049	CUSHION	1	
19	08361-25088	NUT	1	

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D 2

AIR CLEANER.....	C-08	CRANKCASE COVER....	B-07	FRONT BRAKE HOSE....	T-07	GEAR SHIFTING.....	D-12	OPTIONAL.....	J-07	REAR WHEEL.....	J-04	TRANSMISSION.....	D-10
BATTERY.....	E-04	CRANKCASE.....	B-05	FRONT CALIPER.....	T-04	HANDLE BAR.....	H-02	RADIATOR HOSE.....	D-07	SEAT TAIL COVER....	H-11	TURN SIGNAL LAMP....	F-06
CAN CHAIN.....	C-04	CRANKSHAFT.....	B-04	FRONT CYLINDER HEAD	B-02	HANDLE LEVER.....	H-04	RADIATOR.....	D-06	SEAT.....	H-10	WARNING LABEL.....	H-09
CAN SHAFT / VALVE..	C-03	CYLINDER.....	B-04	FRONT FENDER.....	G-11	HANDLE SWITCH.....	F-11	REAR CALIPER.....	J-05	SPEEDOMETER.....	F-02	WATER PUMP.....	D-04
CARBURETOR FITTINGS	C-07	ELECTRICAL.....	E-05	FRONT FORK DAMPER..	T-02	HEAT AND MOUNTING..	G-10	REAR CUSHION LEVER.	J-03	STAND.....	G-03	WIRING HARNESS.....	F-09

FIG.14

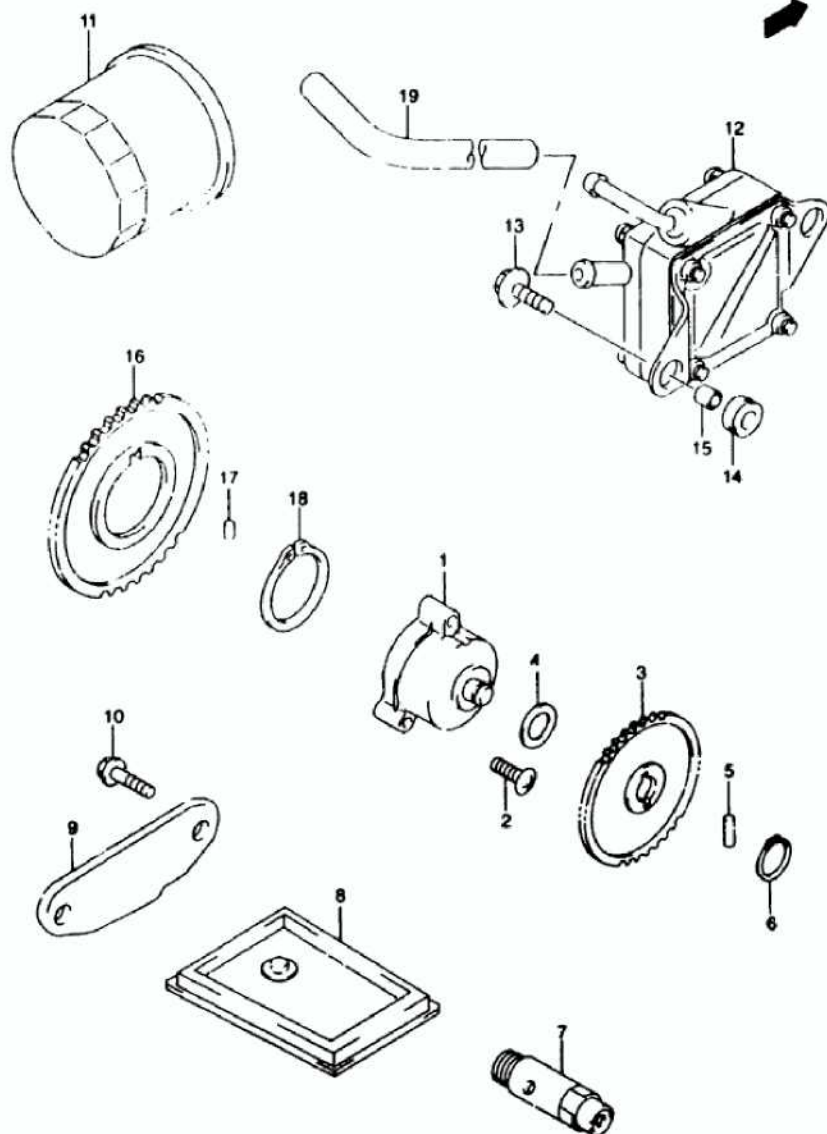


FIG.14 ( D-3)

## OIL PUMP / FUEL PUMP

REF.NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	16400-20F00	PUMP ASSY. ENGINE OIL	1	
2	02112-06253	SCREW	3	
3	16331-48E00	GEAR, OIL PUMP DRIVEN (NT 34)	1	
4	09181-10158	SHIM	1	
5	09261-04009	PIN (4X15.8)	1	
6	08331-31106	CIRCLIP	1	
7	16440-17C20	VALVE ASSY. OIL RELIEF	1	
8	16520-32E00	STRAINER ENGINE OIL	1	
9	16523-48E00	CAP OIL STRAINER	1	
10	01547-06123	BOLT	2	
11	16510-34E00	FILTER ASSY. ENGINE OIL	1	
12	15100 19F00	PUMP ASSY. FL	1	
13	09116-06115	BOLT FUEL PUMP	2	
14	09320-09U36	CUSHION FUEL PUMP	2	
15	09180-06257	SPACER FUEL PUMP	2	
16	16321-19F00	GEAR ENGINE OIL PUMP DRIVE	1	
17	09261-06002	ROLLER (OD 6 L 6)	1	
18	08331-31383	CIRCLIP	1	
19	09355-50105-600	HOSE, VACUUM	1	L 600 ±150

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D3

AIR CLEANER.....	C-08	CRANKCASE COVER....	B-07	FRONT BRAKE HOSE...	I-07	GEAR SHIFTING.....	D-12	OPTIONAL.....	J-07	REAR WHEEL.....	J-04	TRANSMISSION.....	D-10
BATTERY.....	E-04	CRANKCASE.....	B-05	FRONT CALIPER.....	I-06	HANDLE BAR.....	H-02	RADIATOR HOSE.....	D-07	SEAT TAIL COVER....	H-11	TURNSIGNAL LAMP...	F-06

FIG.15

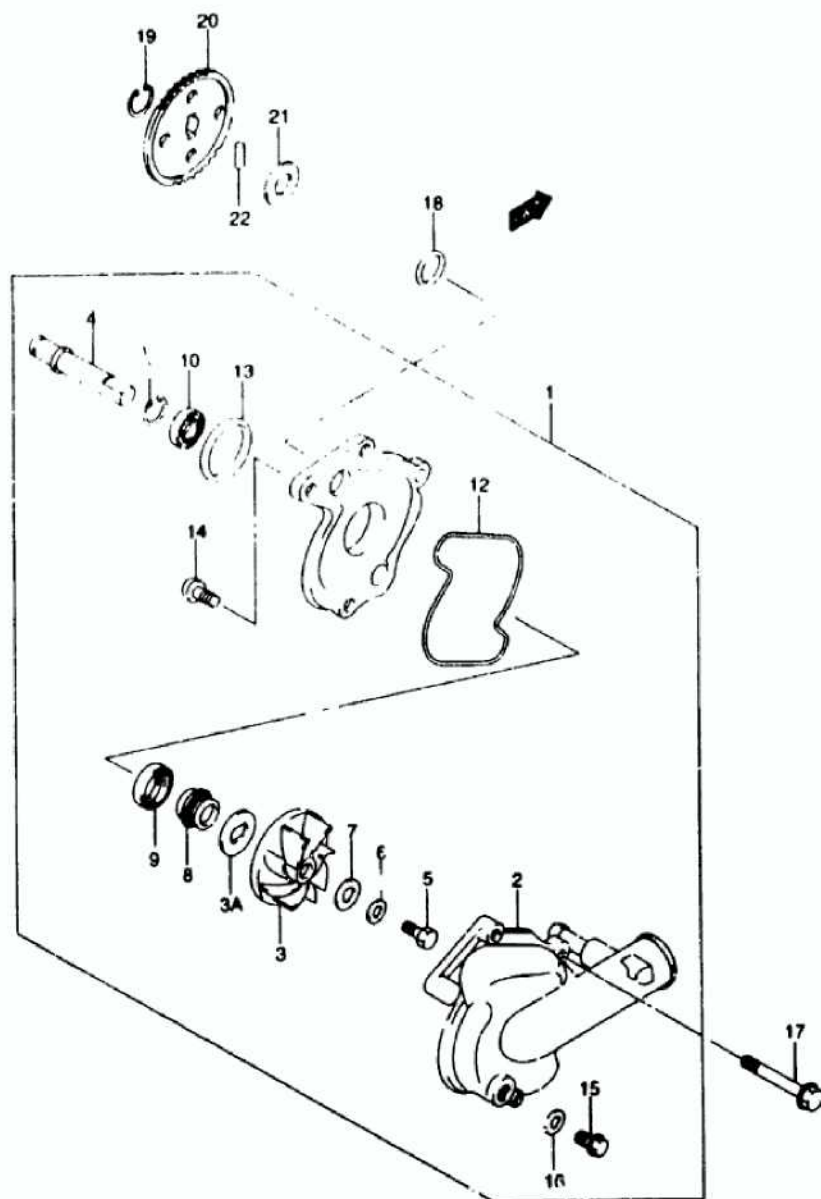


FIG.15 ( D-4)

WATER PUMP (MOD'L X)

REF.NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	17400-19F02	PUMP ASSY. WATER	1	
2	17411-19F00	CASE, WATER PUMP	1	
3	17491-19F01	IMPELLER, WATER PUMP	1	
3A	17533-02F00	WASHER, IMPELLER	1	
4	17511-19F00	SHAFT, WATER PUMP	1	
5	09100-06162	BOLT (6X13)	1	
6	09164-06006	LOCK WASHER	1	
7	09168-06025	GASKET (6X15X2.2)	1	
8	17470-02F10	SEAL, MECHANICAL	1	
9	09283-10004	OIL SEAL (10X21X5)	1	
10	09262-10014	BEARING (10X26X8)	1	
11	08332-11086	E RING	1	
12	17418-19F00	O RING	1	
13	17435-33400	O RING	1	
14	02112-06163	SCREW	2	
15	17415-14300	BOLT, DRAIN	1	
16	09168-08008	GASKET (8.2X14X1)	1	
17	09103-06206	BOLT	3	
18	09280-22001	O RING (17.24 ID 21.8)	2	
19	08331-31106	CIRCLIP	1	
20	17461-19F00	GEAR, WATER PUMP DRIVEN	1	
21	09181-10159	SHIM	1	
22	09261-04002	ROLLER	1	

REFER TO FIG 15A(D-5) FOR MODEL Y

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D4

AIR CLEANER..... C-78	CRANKCASE COVER.... B-07	FRONT BRAKE HOSE..... I-07	GEAR SHIFTING..... D-11	OPTIONAL..... J-07	REAR WHEEL..... J-04	TRANSMISSION..... D-10
BATTERY..... E-46	CRANKCASE..... B-05	FRONT CALIPER..... I-06	HANDLE BAR..... H-02	RADIATOR HOSE..... D-07	SEAT TAIL COVER.... H-11	TRANSMISSION LAMP... F-06



FIG.15A

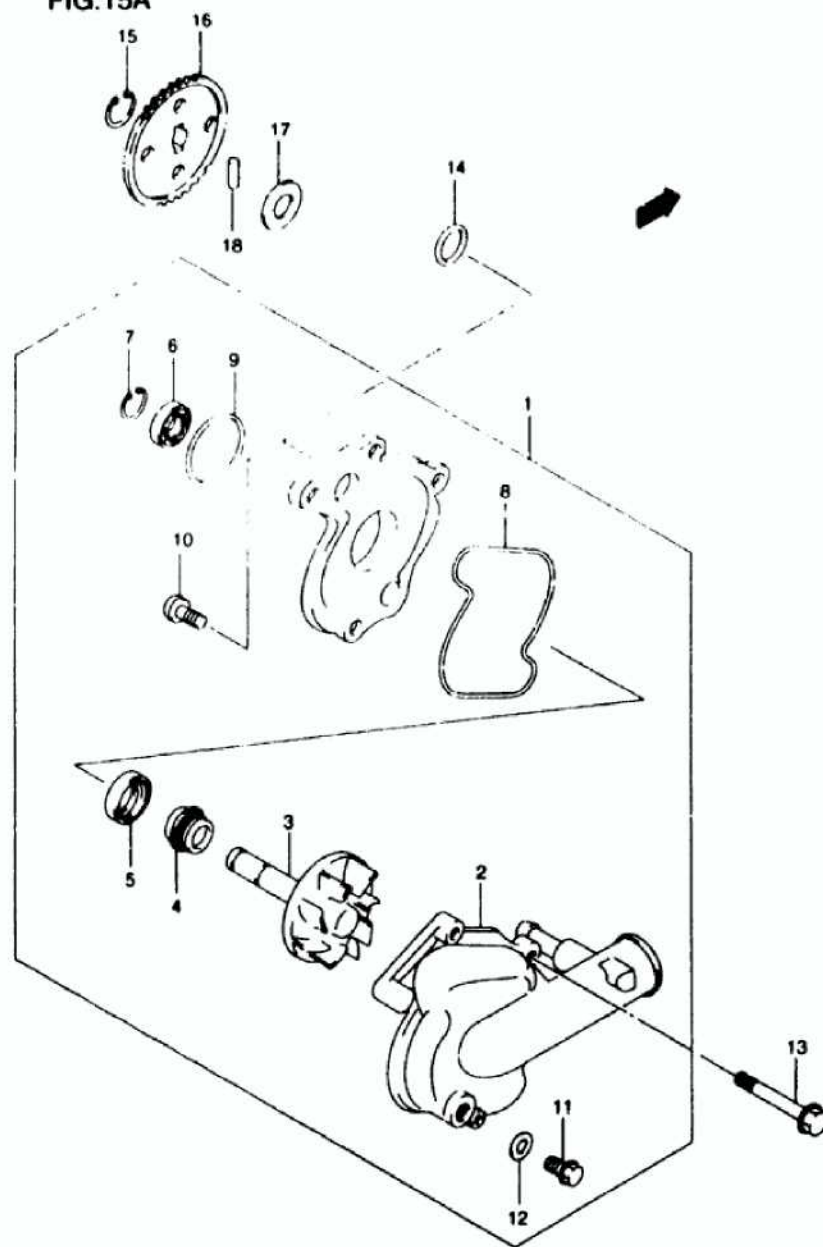


FIG 15A( D-5) WATER PUMP (MODEL Y)

REF.NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	17400-19F10	PUMP ASSY. WATER	1	
2	17411-19F00	CASE, WATER PUMP	1	
3	17491-19F10	IMPELLER/SHAFT	1	
4	17470-02F10	SEAL, MECHANICAL	1	
5	09283-10004	OIL SEAL (10X21X5)	1	
6	09262-10014	BEARING (10X26X8)	1	
7	08332-11086	E RING	1	
8	17418-19F00	O RING	1	
9	17435-33400	O RING	1	
10	02112-06163	SCREW	2	
11	17415-14300	BOLT DRAIN	1	
12	09168-08008	GASKET (R 2x14x1)	1	
13	09103-06206	BOLT	3	
14	09280-22001	O RING (ID 24 ID 21 R)	2	
15	08331-31106	CIRCLIP	1	
16	17461-19F00	GEAR WATER PUMP DRIVEN	1	
17	09181-10158	SHIM	1	
18	09261-04002	ROLLER	1	

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D5

AIR CLEANER..... C-08	CRANKCASE COVER.... B-07	FRONT BRAKE HOSE... I-07	GEAR SHIFTING..... D-12	OPTIONAL..... J-07	REAR WHEEL..... J-04	TRANSMISSION..... D-14
BATTERY..... E-04	CRANKCASE..... B-05	FRONT CALIPER..... I-06	HANDLE BAR..... H-02	RADIATOR HOSE..... D-07	SEAT TAIL COVER.... H-11	TURBOSIGNAL LAMP... F-06
CAM CHAIN..... C-04	CRANKSHAFT..... B-08	FRONT CYLINDER HEAD B-02	HANDLE LEVER..... H-04	RADIATOR..... D-06	SEAT..... H-10	WARNING LABEL..... H-09
CAM SHAFT / VALVE.. C-03	CYLINDER..... B-04	FRONT FENDER..... G-11	HANDLE SWITCH..... F-11	REAR CALIPER..... J-05	SPEEDOMETER..... F-02	WATER PUMP..... D-04
PARALLEL FITTING C-07	ELECTRICAL..... E-04	FRONT FOW DAMPER T-03	MATCH AND MISC INC C-10	REAR FISHION LEVER J-03	STAND..... G-03	WIRING HARNESS.... F-09

FIG.16

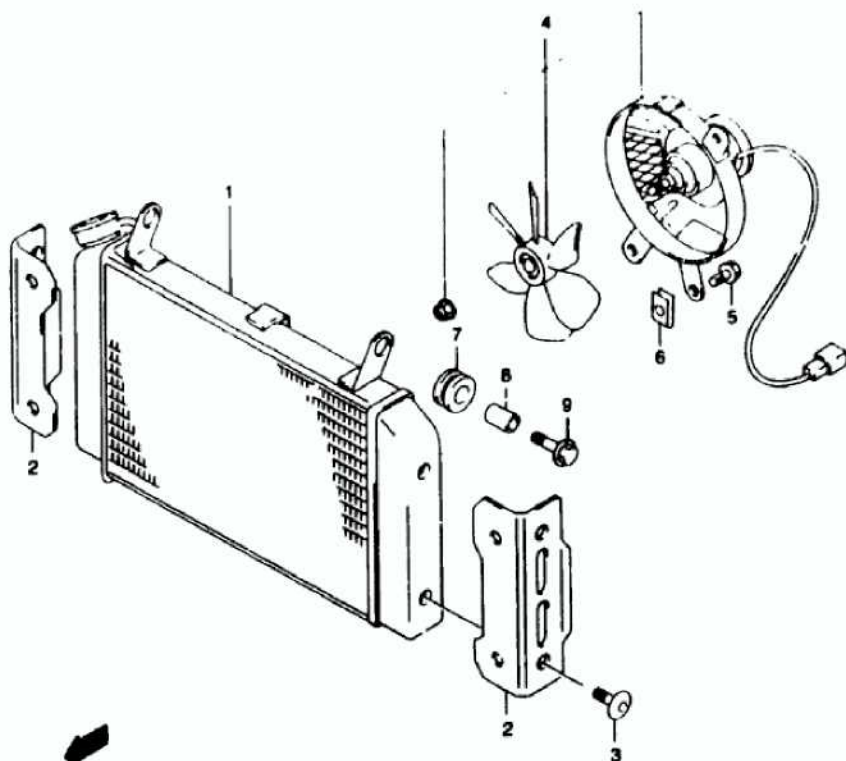


FIG 16 ( D-6)

## RADIATOR

REF.NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1-1	17710-19F10	RADIATOR ASSY. WATER	1	SV650X/Y
1-2	17710-19F00	RADIATOR ASSY. WATER	1	SV650S/Y/SY E28
2	17761-19F00	COVER, RADIATOR	2	SV650X/Y
3	09139-06027	SCREW (6X12)	4	SV650X/Y
4	17800-19F10	FAN ASSY. RADIATOR	1	
5	01550-06103	BOLT	3	
6	09148-06115	NUT	3	
7	09320-10042	CUSHION	3	
8	09180-06290	SPACER (6.5X10X12)	3	
9	09118-06097	BOLT (6X25)	3	

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D 6

AIR CLEANER.....	C-08	CRANKCASE COVER....	B-07	FRONT BRAKE HOSE...	I-07	GEAR SHIFTING.....	D-12	OPTIONAL.....	J-07	REAR WHEEL.....	J-04	TRANSMISSION.....	D-10
BATTERY.....	E-04	CRANKCASE.....	B-05	FRONT CALIPER.....	I-06	HANDLE BAR.....	N-02	RADIATOR HOSE.....	D-07	SEAT TAIL COVER....	H-11	TURNSIGNAL LAMP....	F-06

FIG.17

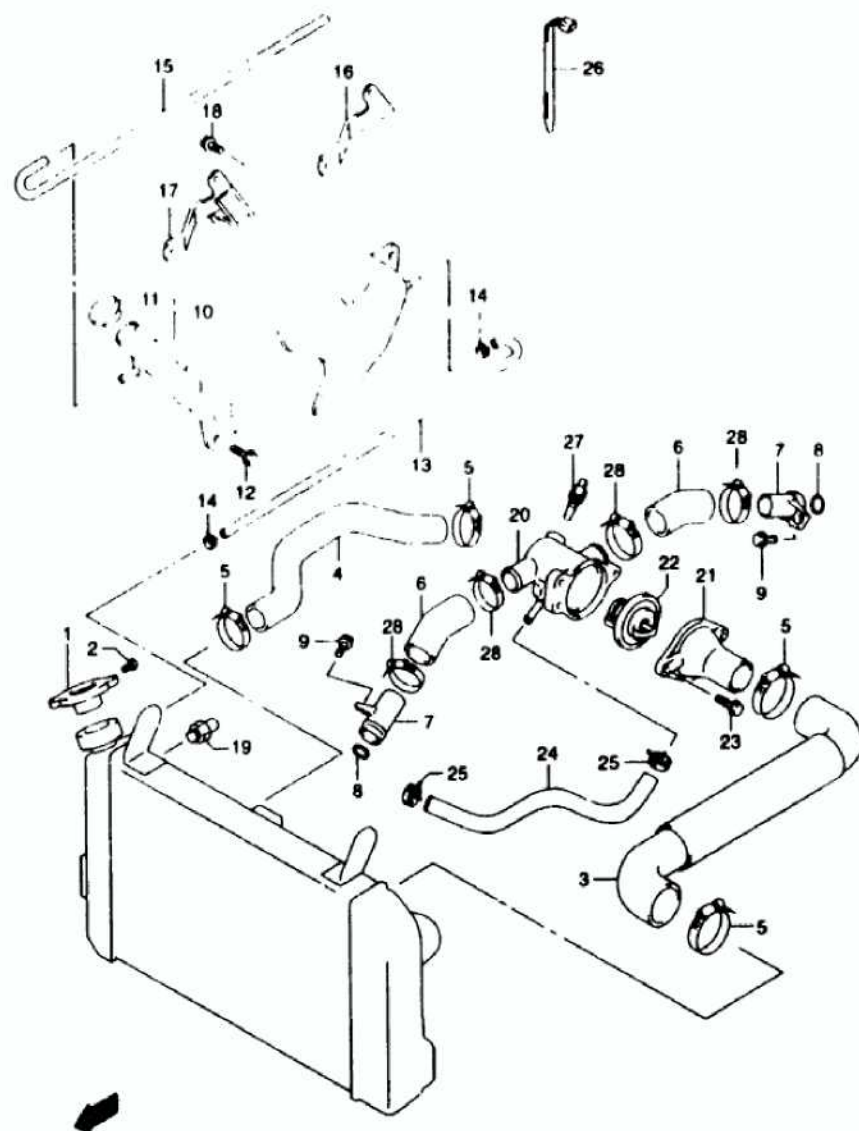


FIG 17 ( D-7)

## RADIATOR HOSE

REF.NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1-1	17730-19D10	CAP. RADIATOR 1 1	1	SV650X
1-2	17730-19D11	CAP. RADIATOR 1 1	1	SV650Y
1-3	17730-12C20	CAP. RADIATOR	1	SV650SX/SY E28
2	17733-03D10	SCREW. RADIATOR CAP	1	SV650X/Y
3	17851-19F00	HOSE. RADIATOR INLET	1	
4	17852-19F00	HOSE. RADIATOR OUTLET	1	
5	09402-38511	CLAMP	4	
6	17853-19F00	HOSE. CONNECTOR INLET	2	
7	17890-02F00	UNION. CONNECTOR HOSE	2	
8	09280-18009	O RING	2	
9	07130-06123	BOLT	2	
10	17910-19F00	TANK ASSY. RESERVOIR	1	
11	17932-12C00	CAP. RESERVOIR TANK	1	
12	01550-06163	BOLT	2	
13	17981-19F00	HOSE. RESERVOIR TANK INLET	1	
14	09401-08411	CLIP	2	
15	09359-50901-980	HOSE. RESERVOIR TANK OVERFLOW (1 980)	1	
16	17920-19F10	BRACKET. RESERVOIR TANK	1	SV650X/Y
17	17920-19F00	BRACKET. RESERVOIR TANK	1	SV650SX/SY E28
18	01550-06123	BOLT	1	
19	17680-24A20	SWITCH. RADIATOR FAN	1	
20	17662-19F01	CONNECTOR. THERMOSTAT INLET	1	
21	17663-02FA0	CAP. THERMOSTAT CONNECTOR	1	
22	17670-50F00	THERMOSTAT. WATER (32C)	1	
23	01550-06163	BOLT	2	
24	17856-19F00	HOSE. CONNECTOR TO WATER PUMP	1	
25	09401-12409	CLAMP	2	
26	09407-14403	CLAMP (L 140)	1	
27	34850-44D20	SENSOR. WATER TEMPERATURE	1	
28	09402-28511	CLAMP	4	

20 SV650 Y E3/E33

D7

AIR CLEANER..... C-08	CRANKCASE COVER..... B-07	FRONT BRAKE HOSE..... I-07	GEAR SHIFTING..... D-12	OPTIONAL..... J-07	REAR WHEEL..... J-04	TRANSMISSION..... D-10
BATTERY..... E-04	CRANKCASE..... B-05	FRONT CALIPER..... I-06	HANDLE BAR..... H-02	RADIATOR HOSE..... D-07	SEAT TAIL COVER..... H-11	TURNSIGNAL LAMP..... F-06



FIG.18

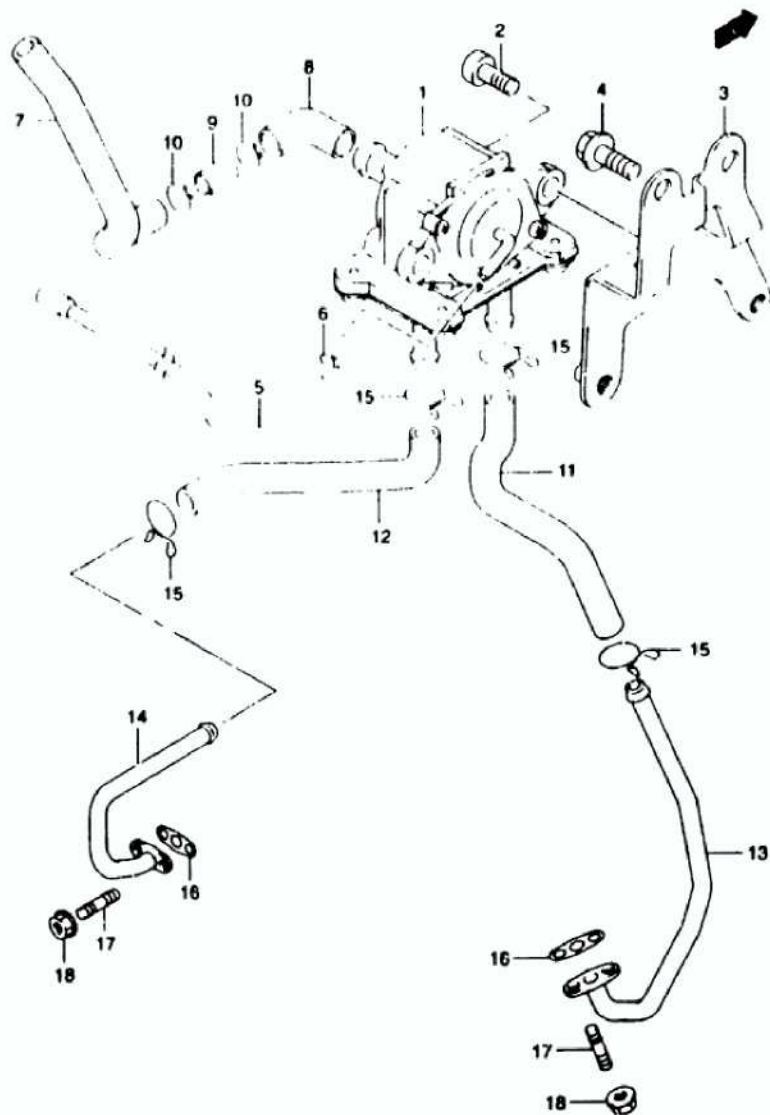


FIG 18 ( D-8)

2ND AIR VALVE

REF.NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	18450-20F00	VALVE ASSY. 2ND AIR	1	
2	07130-08163	BOLT, 2ND AIR VALVE	2	
3	18610-20F00	BRACKET, 2ND AIR VALVE	1	
4	C2162-06163	BOLT, 2ND AIR BRACKET	1	
5	09359-40701-600	HOSE, 2ND AIR VACUUM	1	L 600 ±27%
6	09401-06101	CLIP	1	
7	18711-20F00	HOSE, 2ND AIR CLEANER	1	
8	18712-21F00	HOSE, 2ND AIR CLEANER JOINT	1	
9	13888-19800	JOINT, 2ND AIR CLEANER HOSE	1	
10	09401-15101	CLIP	4	
11	18461-20F00	HOSE, 2ND AIR VALVE FRONT	1	
12	18471-20F00	HOSE, 2ND AIR VALVE REAR	1	
13	18410-20F00	PIPE, 2ND AIR FRONT	1	
14	18420-20F00	PIPE, 2ND AIR REAR	1	
15	09401-13409	CLIP	4	
16	18441-45C00	GASKET, 2ND AIR PIPE	2	
17	01421-06163	BOLT, STUD	4	
18	08316-10063	NUT	4	

21 SV850 Y E3/E33

D8

AIR CLEANER..... C-08    CRANKCASE COVER..... B-07    FRONT BRAKE HOSE... I-07    GEAR SHIFTING..... D-12    OPTIONAL..... J-07    REAR WHEEL..... J-04    TRANSMISSION..... D-10  
 BATTERY..... E-04    CRANKCASE..... B-05    FRONT CALIPER..... I-04    MAIN SHAFT..... H-02    RADIATOR HOSE..... D-07    SEAT TAIL COVER.... H-11    TURN SIGNAL LAMP.... F-04

FIG.19

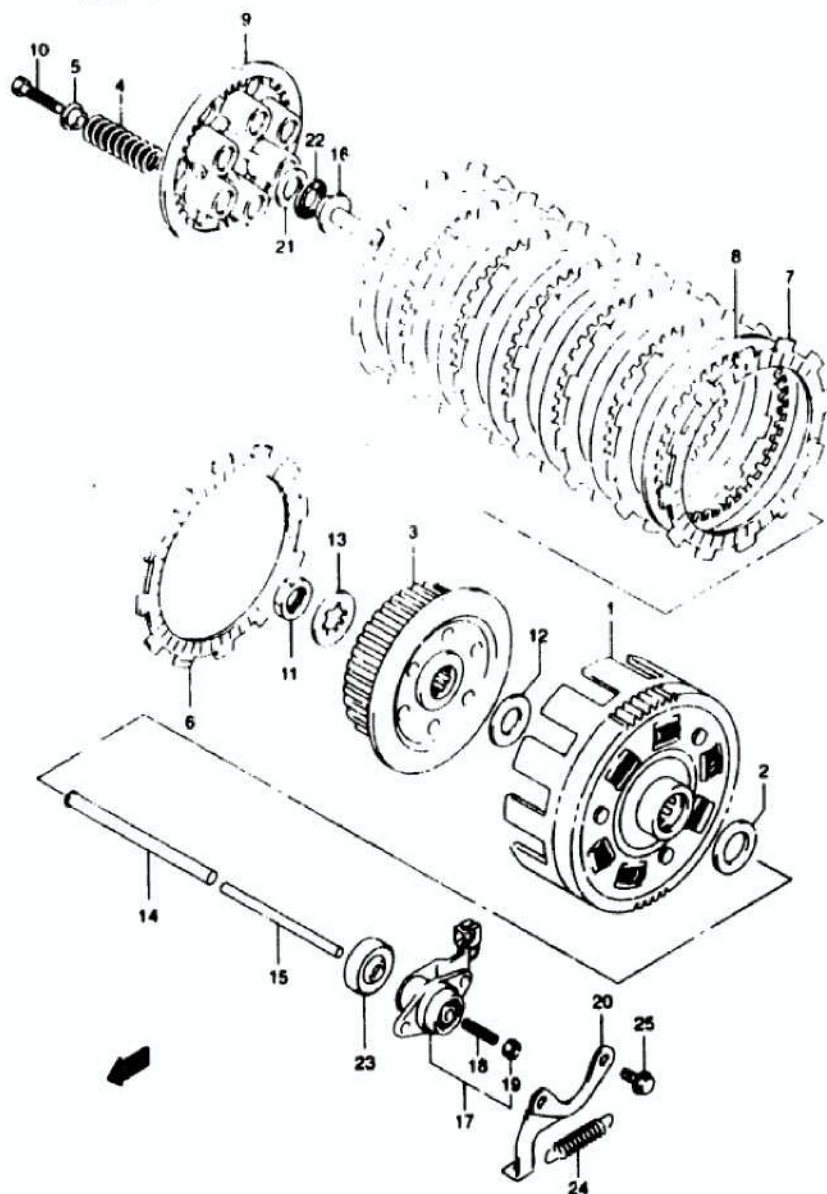


FIG 19 ( D-9)

## CLUTCH

REF.NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1-1	21200-20810	GEAR ASSY, PRIMARY DRIVEN	1	-E NO P503-106336
1-2	21200-20811	GEAR ASSY, PRIMARY DRIVEN	1	E NO P503-106337-
2	09160-20067	WASHER (20X36X3)	1	
3	21411-44101	HUB CLUTCH SLEEVE	1	
4	21413-20F00	SPRING, CLUTCH	5	
5	21414-01D00	SPACER, CLUTCH SLEEVE HUB	6	
6	21440-19F00	PLATE CLUTCH DRIVE	1	
7	21441-37440	PLATE CLUTCH DRIVE	6	
8	21451-28C31	PLATE CLUTCH DRIVE (T 1 6)	6	
9	21462-14301	DISC CLUTCH PRESSURE	1	
10	09100-06145	BOLT (6X40)	6	
11	09140-20001	NUT	1	
12	09160-20067	WASHER (20X36X3)	1	
13	09167-20006	LOCK WASHER	1	
14	23110-44111	ROD, PUSH RH	1	
15	23111-27A01	ROD, CLUTCH PUSH LH	1	
16	23121-44100	PIECE CLUTCH PUSH	1	
17	23200-11D00	SCREW ASSY, CLUTCH RELEASE	1	
18	09134-06010	SCREW	1	
19	08210-00067	NUT	1	
20	23226-19F00	SUPPORT, CLUTCH RELEASE	1	
21	09160-15045	WASHER (15.5X28X1)	1	
22	09263-15003	BEARING (15X28X2)	1	
23	09285-06015	OIL SEAL (6X34X5.5)	1	
24	09443-08001	SPRING	1	
25	01500-06163	BOLT	2	

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D9

FIG.20

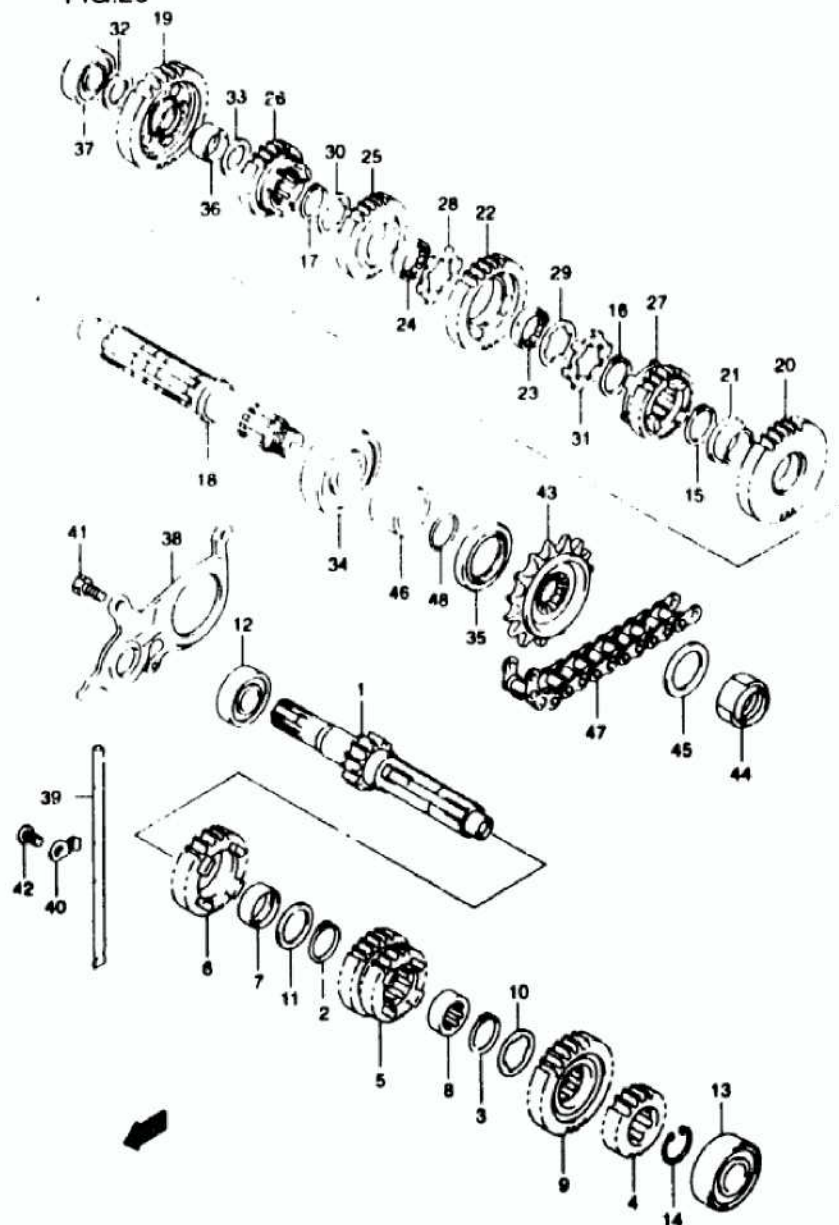


FIG 20 ( D-10)

TRANSMISSION

REF.NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	24120-19F00	SHAFT, COUNTER (NT 13)	1	
2	24127-19F00	CIRCLIP, 5TH DRIVE GEAR	1	
3	24127-19F00	CIRCLIP, 6TH DRIVE GEAR	1	
4	24221-20F00	GEAR, 2ND DRIVE (NT 18)	1	
5	24231-20F00	GEAR, 3RD & 4TH DRIVE (NT 21/24)	1	
6	24251-20F01	GEAR, 5TH DRIVE (NT 26)	1	
7	24252-19F00	BUSH, 5TH DRIVE	1	
8	24252-38A10	BUSH, 6TH DRIVE	1	
9	24261-20F00	GEAR, 6TH DRIVE (NT 27)	1	
10	09167-25021	WASHER, 6TH DRIVE	1	25x13x1.0
11	09181-25167	WASHER, 5TH DRIVE	1	
12	09262-17046	BEARING, CNTR SHAFT LH	1	17x40x12
13	09262-20116	BEARING, CNTR SHAFT RH	1	20x52x15
14	09380-25012	RING, 2ND DRIVE	1	
15	24127-19F00	CIRCLIP, 2ND DRIVE	1	
16	24127-19F00	CIRCLIP, 3RD DRIVE	1	
17	24127-19F00	CIRCLIP, 4TH DRIVE	1	
18	24130-19F01	SHAFT, DRIVE	1	
19	24311-20F00	GEAR, 1ST DRIVE (NT 32)	1	
20	24321-20F00	GEAR, 2ND DRIVE (NT 32)	1	
21	24322-19F00	BUSH, 2ND DRIVE	1	
22	24331-20F00	GEAR, 3RD DRIVE (NT 29)	1	
23	24332-24510	BUSH, 3RD DRIVE	1	
24	24332-24510	BUSH, 4TH DRIVE	1	
25	24341-20F00	GEAR, 4TH DRIVE (NT 27)	1	
26	24351-20F01	GEAR, 5TH DRIVE (NT 25)	1	
27	24361-20F00	GEAR, 6TH DRIVE (NT 23)	1	
28	09167-25013	LOCK WASHER, 3RD DRIVE	1	
29	09167-25021	WASHER, 3RD DRIVE	1	
30	09167-25021	WASHER, 4TH DRIVE	1	
31	09169-25001	WASHER, 3RD DRIVE LOCK	1	
32	09181-17195	WASHER, 1ST DRIVE	1	17x29x1.0
33	09181-20195	WASHER, 1ST DRIVE	1	20x30x1.0

23 SV650 Y E3/E33

D 10



FIG 20 ( D-11)

## TRANSMISSION

REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
34	09262-25125	BEARING, DRIVE SHAFT LH	1	25X62X17
35	09263-36003	SEAL, DRIVE SHAFT	1	36X50X6
36	09300-20032	BUSH, 1ST DRIVEN	1	
37	09262-17023	BEARING, DRIVE SHAFT RH	1	17X40X12
38	24751-19F00	RETAINER, DRIVE SHAFT OIL SEAL	1	
39	24881-12C20	GUIDE, 1M OIL	1	
40	24885-12C10	RETAINER, TRANSMISSION OIL	1	
41	01500-06123	BOLT	3	
42	02112-06123	SCREW	1	
43	27510-20F00	SPROCKET, ENGINE (NT 15)	1	
44	09159-20004	NUT, ENGINE SPROCKET	1	
45	09167-25019	WASHER, ENGINE SPROCKET	1	
46	27521-10F00	SPACER, ENGINE SPROCKET	1	
47-1	27600-32C10-110	CHAIN ASSY (DID525/9-110L)	1	SV650X
47-2	27600-32C10-108	CHAIN ASSY (DID529/9-108L)	1	SV650X E2R
48	09280-24010	O RING (D 24 ID 23.7)	1	

24 SV650 Y E3/E33

D 11

AIR CLEANER.....	C-02	CRANKCASE COVER.....	B-07	FRONT BRAKE HOSE.....	I-07	GEAR SHIFTING.....	D-12	OPTIONAL.....	J-07	REAR WHEEL.....	J-04	TRANSMISSION.....	D-10
BATTERY.....	E-04	CRANKCASE.....	B-05	FRONT CALIPER.....	I-04	HANDLE BAR.....	H-02	RADIATOR HOSE.....	D-07	SEAT TAIL COVER.....	H-11	TURNSIGNAL LAMP.....	F-04
CARB CHAIN.....	C-04	CRANKSHAFT.....	B-08	FRONT CYLINDER HEAD.....	B-02	HANDLE LEVER.....	H-04	RADIATOR.....	D-06	SEAT.....	H-10	WARNING LABEL.....	H-09

FIG.21

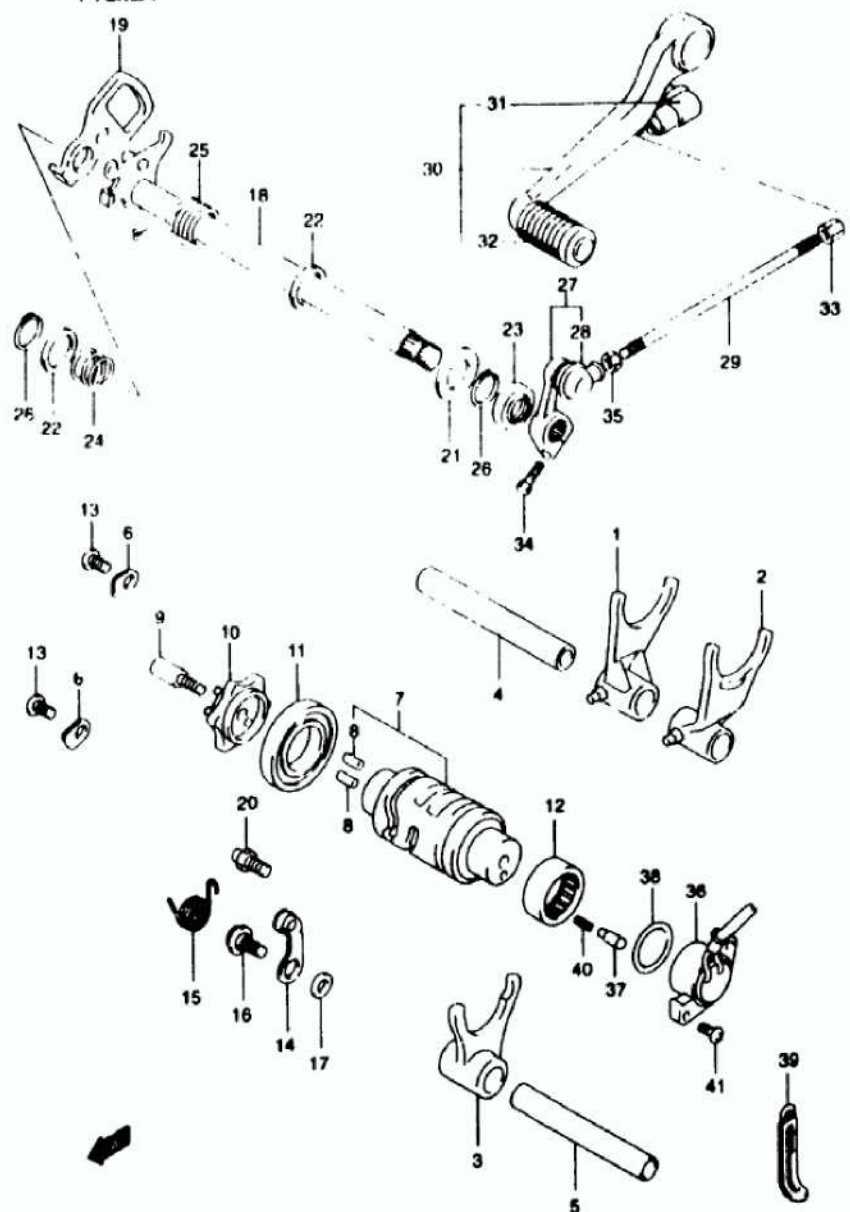


FIG 21 ( D-12)

## GEAR SHIFTING

REF.NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	25211-42E10	FORK, GEAR SHIFT NO 1	1	
2	25221-42E10	FORK, GEAR SHIFT NO 2	2	
3	25231-42E10	FORK, GEAR SHIFT NO 3	1	
4	25411-26D01	SHAFT, GEAR SHIFT FORK NO 1	1	
5	25411-44B00	SHAFT, GEAR SHIFT FORK NO 2	1	
6	24741-21A00	RETAINER, SHIFT CAM BEARING	2	
7	25310-19F00	CAM, GEAR SHIFT	1	
8	04221-04089	KNOCK PIN	2	
9	25312-12C00	PIN, SHIFT CAM DRIVEN GEAR	1	
10	25381-19F00	PLATE, GEAR SHIFT CAM	1	
11	09262-25006	BEARING (25X47X8)	1	
12	09263-25018	BEARING (25X32X12)	1	
13	02112-06123	SCREW	2	
14	25350-24B00	STOPPER, GEAR SHIFT CAM	1	
15	25355-20F00	SPRING, STOPPER ARM	1	
16	09111-06041	BOLT (6X14.3)	1	
17	08211-06141	WASHER	1	
18	25510-19F00	SHAFT, GEAR SHIFT	1	
19	25512-13E11	PLATE, GEAR SHIFT CAM DRIVE	1	
20	25671-01000	STOPPER, RETURN SPRING	1	
21	09160-14016	WASHER (14X29X0.8)	1	
22	09181-14167	SHIM	2	
23	09283-14006	OIL SEAL (14X22X6)	1	
24	03440-17009	SPRING	1	
25	09444-20001	SPRING	1	
26	08331-31146	CIRCLIP	1	
27	25520-29B00	ARM, GEAR SHIFT LINK	1	
28	25526-47000	COVER, DUST	1	
29-1	25525-19F00	ROD, GEAR SHIFT (L 150)	1	SV650X
29-2	25525-05A10	ROD, GEAR SHIFT (L 175)	1	SV650SX E28
30	25600-33E00	LEVER ASSY, GEAR SHIFT	1	
31	25526-47000	COVER, DUST	1	
32	25652-20C00	RUBBER, GEAR SHIFT PEDAL	1	

25 SV650 Y E3/E33

D12

This exploded view diagram illustrates the assembly of a mechanical component, likely a pump or valve. The parts are numbered 1 through 41. The diagram shows the following components and their assembly sequence:

- Parts 1, 2, 3, 4:** These are the main structural components, including a central shaft (4) and two side arms (1, 2, 3).
- Parts 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41:** These are smaller components, including bolts, nuts, washers, seals, and internal mechanisms, which are shown being assembled onto the main components.

The diagram uses dashed lines to indicate the assembly path and the relative positions of the parts. A small arrow at the bottom left points towards the assembly direction.

REF.NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
33	09140-0601	NUT	1	
34	01500-06203	BOLT	1	
35	08310-00067	NUT	1	
36	37720-20F00	BASE ASSY. GEAR SHIFT TERMINAL	1	
37	09201-05011	CONTACT	2	
38	09780-26007	O RING (ID 2.4 ID 25.7)	1	
39	09404-08206	CLAMP (L 82)	1	
40	13440-04010	SPRING	2	
41	02112-05163	SCREW	2	

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D 13



FIG.22

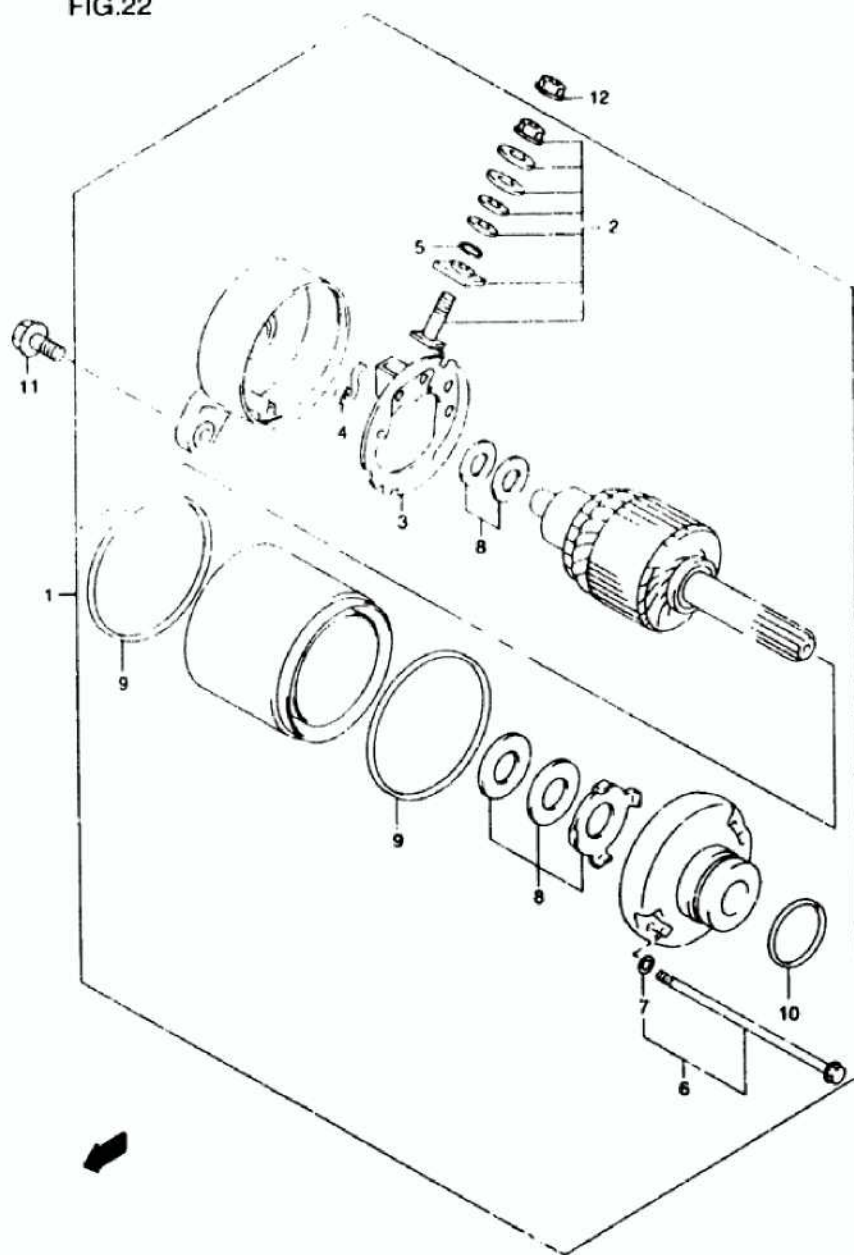


FIG 22 ( E-2)

## STARTING MOTOR

REF.NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
*	31100-19F00	MOTOR ASSY STARTING	1	
2	31130-13E00	BRUSH TERMINAL SET	1	
3	31132-33E00	BRUSH HOLDER SET	1	
4	31135-31300	SPRING BRUSH	2	
5	31143-49040	O RING	1	
6	31280-19F00	SET BOLT ASSY	2	
7	31156-13E00	O RING	2	
8	31170-19B10	WASHER SET	1	
9	31264-13E00	O RING	2	
10	09280-25002	O RING (D 31 ID 24.4)	1	
11	01547-06253	BOLT	2	
12	08351-35/68	NUT	1	

27 SV650 Y E2/E33

E2

FIG.23

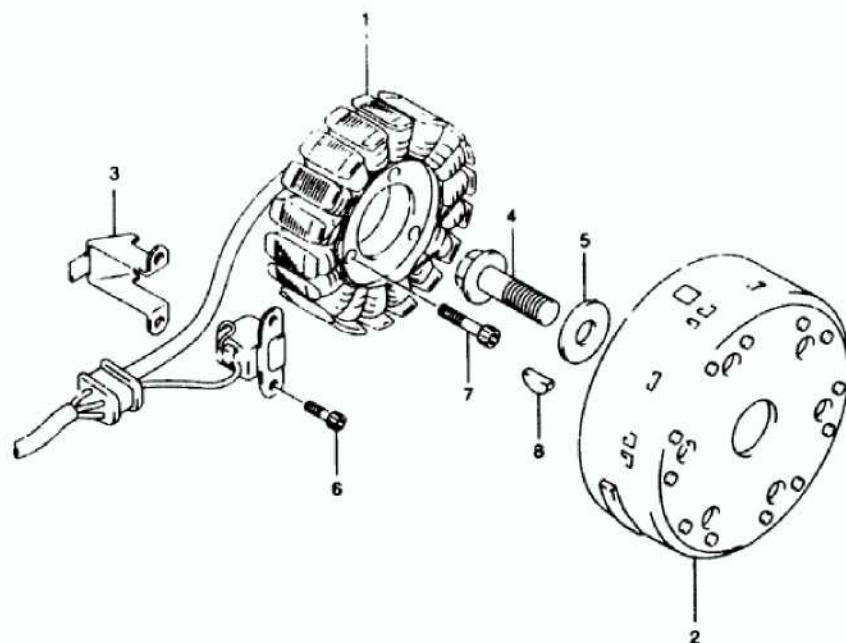


FIG 23 ( E-3) MAGNETO

REF.NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	32101-19F00	STATOR ASSY	1	
2	32102-20F00	ROTOR ASSY	1	
3	32371-19F00	CLAMP MAGNETO LEAD	1	
4	05103-12004	BOLT (12X40)	1	
5	09160-12036	WASHER (12X30X3)	1	
6	07130-05123	BOLT	2	
7	07130-05303	BOLT	3	
8	09420-04008	KEY	1	

28 SV650 Y E3/E33

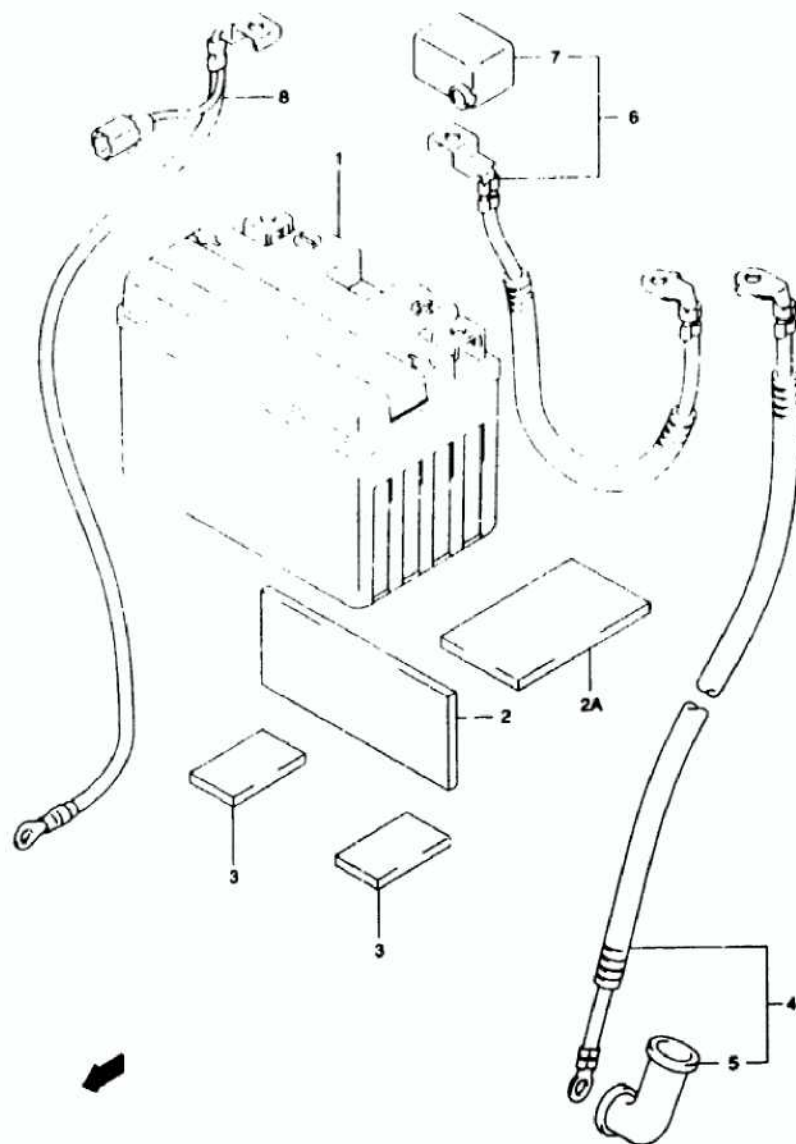
E3

AIR CLEANER.....	C-08	CRANKCASE COVER....	B-07	FRONT BRAKE HOSE...	I-07	GEAR SHIFTING.....	D-12	OPTIONAL.....	J-07	REAR WHEEL.....	J-04	TRANSMISSION.....	D-10
BATTERY.....	E-04	CRANKCASE.....	B-05	FRONT CALIPER.....	I-06	HANDLE BAR.....	H-02	RADIATOR HOSE.....	D-07	SEAT TAIL COVER....	H-11	TURNSIGNAL LAMP....	F-06
CAM CHAIN.....	C-04	CRANKSHAFT.....	B-08	FRONT CYLINDER HEAD	B-02	HANDLE LEVER.....	H-04	RADIATOR.....	D-06	SEAT.....	H-10	WARNING LABEL.....	H-09
CAM SHAFT / VALVE..	C-03	CYLINDER.....	B-04	FRONT FENDER.....	C-11	MAIN F. SWITCH.....	C-11	REAR CALIPER.....	J-05	SPEEDOMETER.....	F-02	WATER PUMP.....	D-04

FIG.24

FIG 24 ( E-4)

BATTERY



REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	33610-02F00	BATTERY ASSY (YT12A-BS 12V 10AH)	1	
2	33651-37000	PROTECTOR (170X95X30)	3	CUT AS REQUIRED PROFILE (115X50)
2A	33652-19F00	PROTECTOR (40X85X5)	1	
3	33652-28000	PROTECTOR BATTERY (20X45X5)	2	
4	33810-19F00	WIRE STARTER MOTOR LEAD	1	
5	31861-48B10	CAP STARTER MOTOR LEAD	1	
6	33820-19F00	WIRE BATTERY (+) LEAD	1	
7	33624-16E00	CAP BATTERY (+)	1	
8	33650-19F00	WIRE BATTERY (-) LEAD	1	

29 SV650 Y E3/E33

E 4

AIR CLEANER..... C-08 CRANKCASE COVER.... B-07 FRONT BRAKE HOSE... I-07 GEAR SHIFTING..... D-12 OPTIONAL..... J-07 REAR WHEEL..... J-04 TRANSMISSION..... D-10



FIG.25

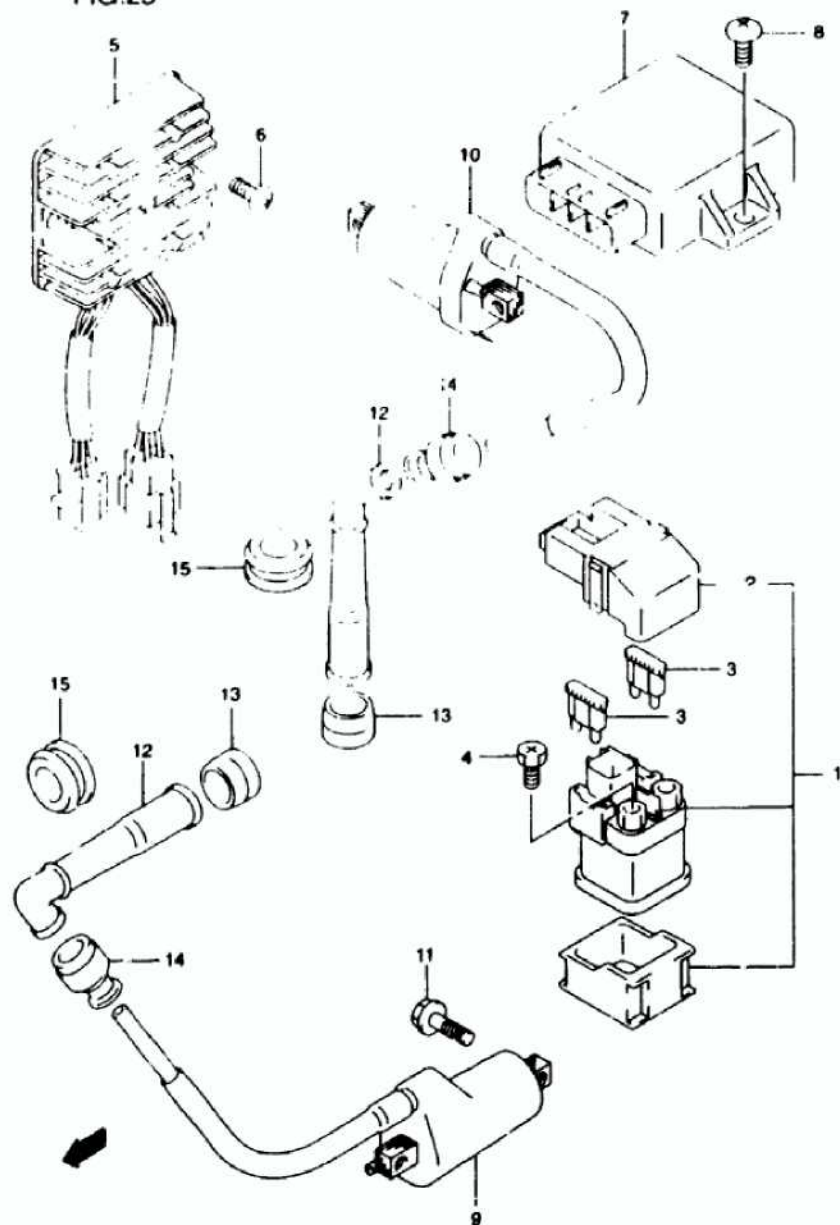


FIG 25 ( E-5)

## ELECTRICAL

REF.NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	31800-21E20	RELAY ASSY. STARTING MOTOR	1	
2	31861-21E20	COVER, RELAY ASSY	1	
3	09481-30101	FUSE (30A)	2	
4	09128-06013	SCREW (6X8)	2	
5	32800-24B01	RECTIFIER ASSY	1	
6	02162-06163	DIODE	2	
7	32900-20F10	IGNITER ASSY	1	
8	03542-06163	SCREW	2	
9	33410-19F00	COIL ASSY. IGNITION	1	
10	33420-19F00	COIL ASSY. IGNITION	1	
11	01500-06203	BOLT	4	
12	33510-11D00	CAP. SPARK PLUG	2	
13	33541-23E01	SEAL SPARK PLUG CAP	2	
14	33542-38B00	SEAL HIGH TENSION CORD	1	
15	33543-19F00	COVER SPARK PLUG CAP	2	

30 SV650 Y E3/E33

E5

AIR CLEANER.....	C-08	CRANKCASE COVER.....	B-07	FRONT BRAKE HOSE....	I-07	GEAR SHIFTING.....	D-12	OPTIONAL.....	J-07	REAR WHEEL.....	J-04	TRANSMISSION.....	D-10
BATTERY.....	E-04	CRANKCASE.....	B-05	FRONT CALIPER.....	I-06	HANDLE BAR.....	H-02	RADIATOR HOSE.....	D-07	SEAT TAIL COVER.....	H-11	TURNSIGNAL LAMP.....	F-06
CAN CHAIN.....	C-04	CRANKSHAFT.....	B-08	FRONT CYLINDER HEAD	B-02	HANDLE LEVER.....	H-04	RADIATOR.....	J-06	SEAT.....	H-10	WARNING LABEL.....	H-09
CAN SHAFT / VALVE..	C-03	CYLINDER.....	B-04	FRONT FENDER.....	C-11	MAIN F. SWITCH.....	F-11	REAR CALIPER.....	J-05	SPEEDMETER.....	F-02	WATER PUMP.....	D-04

FIG.26

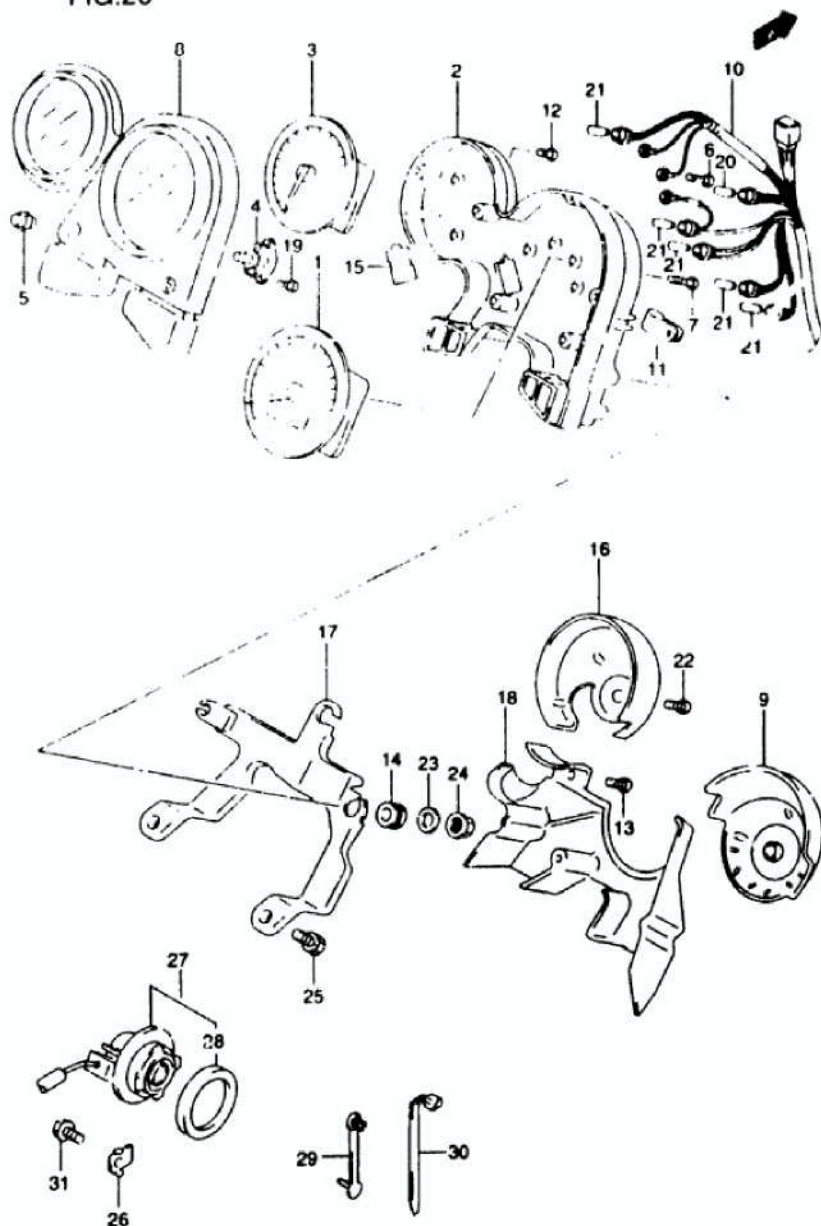


FIG 26 ( F-2)

SPEEDOMETER (SV650X/Y)

REF.NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	34110-20F10	SPEEDOMETER (MILF)	1	
2	34111-19F20	LOWER CASE	1	
3	34210-20F00	TACHOMETER	1	
4	34123-33E00	ATTACHMENT, SWITCH	1	
5	34124-33E00	SWITCH GUM	1	
6	34147-19F20	SCREW PAN HEAD (3x18)	3	
7	34149-19F20	SCREW PAN HEAD (3x20)	4	
8	34150-19F20	UPPER CASE	1	
9	34152-19F20	ORNAMENT SPEEDOMETER	1	
10	34173-19F20	CORD ASSY	1	
11	34176-19F20	CLAMP	1	
12	34183-09F00	SCREW (3x12)	2	
13	34183-19F20	SCREW HEAD TAPPING 4x14	4	
14	34189-19F20	DAMPER	1	
15	34198-19F20	GROMMET	1	
16	34211-19F20	ORNAMENT TACHOMETER	1	
17	34950-19F20	BRACKET	1	
18	36383-19F20	COVER	1	
19	09132-03005	SCREW (3x10)	2	
20	09471-12077	BULB (12V 17W T10)	1	
21	09471-12108	BULB (12V 17W T6.5)	5	
22	03541-04163	SCREW	2	
23	09160-06056	WASHER (6.5x18x1)	3	
24	08310-00067	NUT	3	
25	01550-08163	BOLT	2	
26	34938-14F00	GUIDE, SENSOR LEAD	2	
27	34990-21E00	SENSOR, SPEED	1	
28	286-44001	SEAL, SENSOR OIL	1	
29	09407-03401	CLAMP	1	
30	09407-14407	CLAMP (L 145)	3	
31	01550-06123	BOLT	2	

REFER TO FIG 26A(F-3) FOR SV650X/SY E28

31 SV650 Y E28E33

F2

AIR CLEANER.....	C-08	CRANKCASE COVER.....	B-07	FRONT BRAKE HOSE.....	I-07	GEAR SHIFTING.....	D-12	OPTIONAL.....	J-07	REAR WHEEL.....	J-04	TRANSMISSION.....	D-10
BATTERY.....	E-04	CRANKCASE.....	D-05	FRONT CALIPER.....	I-06	HANDLE BAR.....	H-02	RADIATOR HOSE.....	D-07	SEAT TAIL COVER.....	H-11	TURN SIGNAL LAMP.....	F-06
CAM CHAIN.....	C-04	CRANKSHAFT.....	B-08	FRONT CYLINDER HEAD.....	B-02	HANDLE LEVER.....	H-04	RADIATOR.....	D-06	SEAT.....	H-10	WARNING LABEL.....	H-09
CAM SHAFT / VALVE.....	C-03	CYLINDER.....	B-04	EMPTY CUPPER.....	C-11	MAPLE BUTTON.....	E-11	REAR CALIPER.....	J-05	SPEEDOMETER.....	F-02	WATER PUMP.....	D-04

FIG.26A

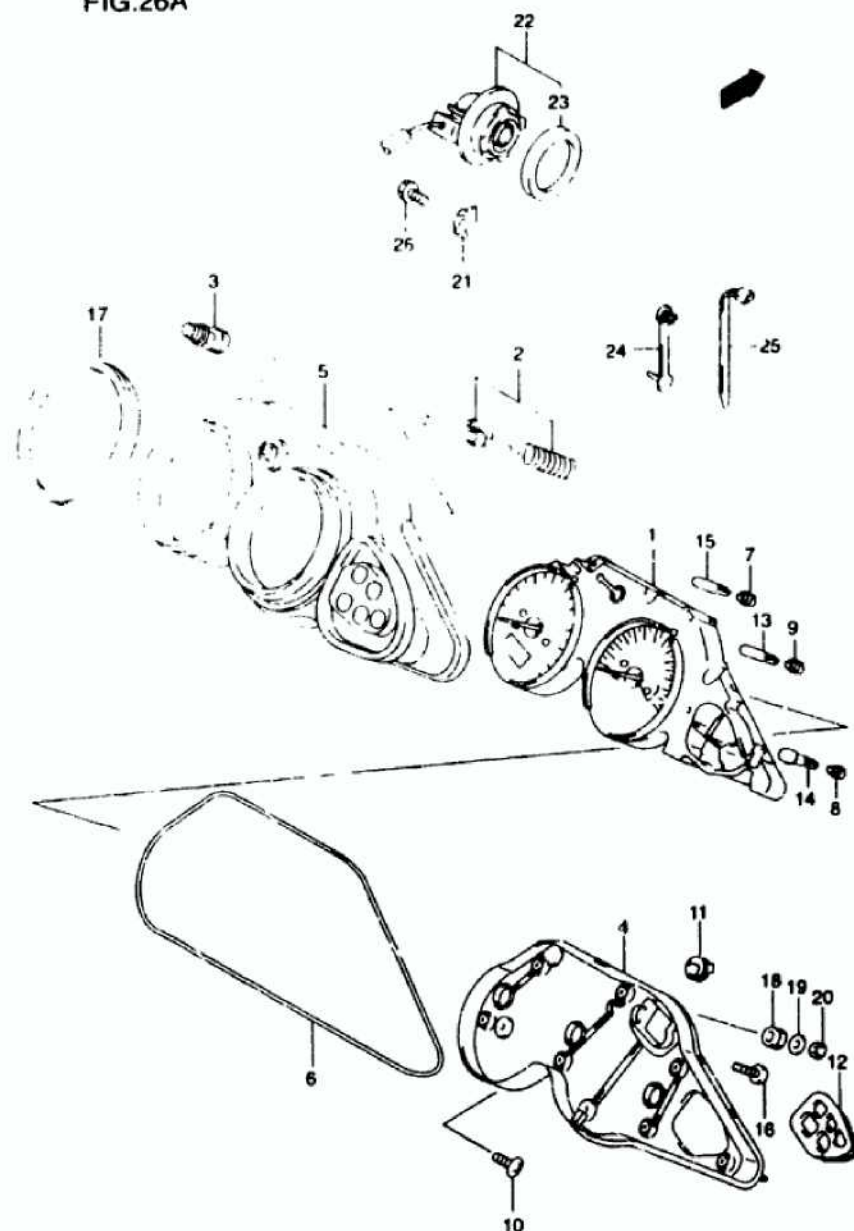


FIG 26A( F-3)

SPEEDOMETER (SV650SX/SY E28)

REF.NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1-1	34119-20F30	SPEEDOMETER	1	MODEL X
1-2	34119-20F31	SPEEDOMETER	1	MODEL Y
2	34123-02F00	LEVER	1	
3	34124-02F00	SWITCH GUM	1	
4	34130-02F00	CASE ASSY	1	
5	34150-19F00	VISOR	1	
6	34153-02F00	GASKET	1	
7	34172-71E70	SOCKET	3	
8	34173-19D00	SOCKET	3	
9	34173-19D70	SOCKET	2	
10	34183-33D00	SCREW SPEEDOMETER (4x14)	2	
11	34198-02F00	BLIND LAMP	3	
12	34198-02F10	BLIND	1	
13	09471-12085	BULB (14/17A)	2	
14	09471-12100	BULB (12/17A)	1	
15	09471-12189	BULB (14/184A)	3	
16	03211-04207	SCREW	6	
17	34188-02F00	CUSHION	2	
18	34996-43410	CUSHION	4	
19	09160-05037	WASHER (5.5x10x1.20)	4	
20	08310-00053	NUT	4	
21	34938-14F00	GUIDE FOR LEAD	1	
22	34990-21E00	SENSOR SPEED	1	
23	09286-44001	SEAL SENSOR	1	
24	09407-03401	CLAMP	1	
25	09407-14407	CLAMP (L 145)	3	
26	01550-06123	BOLT	2	

32 SV650 / E3/E33

F3

AIR CLEANER.....	C-08	CRANKCASE COVER.....	B-07	FRONT BRAKE HOSE.....	I-07	REAR SHIFTING.....	D-12	OPTIONAL.....	J-07	REAR WHEEL.....	J-04	TRANSMISSION.....	D-10
BATTERY.....	E-04	CRANKCASE.....	B-05	FRONT CALIPER.....	I-06	HANDLE BAR.....	H-02	RADIATOR NOS.....	D-07	SEAT TAIL COVER.....	H-11	TURN SIGNAL LAMP.....	F-06
CAR CHAIN.....	C-04	CRANKSHAFT.....	B-08	FRONT CYLINDER HEAD.....	B-02	HANDLE LEVER.....	H-04	RADIATOR.....	D-06	SEAT.....	H-10	WARNING LABEL.....	H-09
CAM SHAFT / VALVE.....	C-03	CYLINDER.....	B-06	FRONT FENDER.....	C-11	IGNITION SWITCH.....	E-11	REAR CALIPER.....	J-05	SPEEDOMETER.....	F-02	WATER PUMP.....	D-04



FIG.27

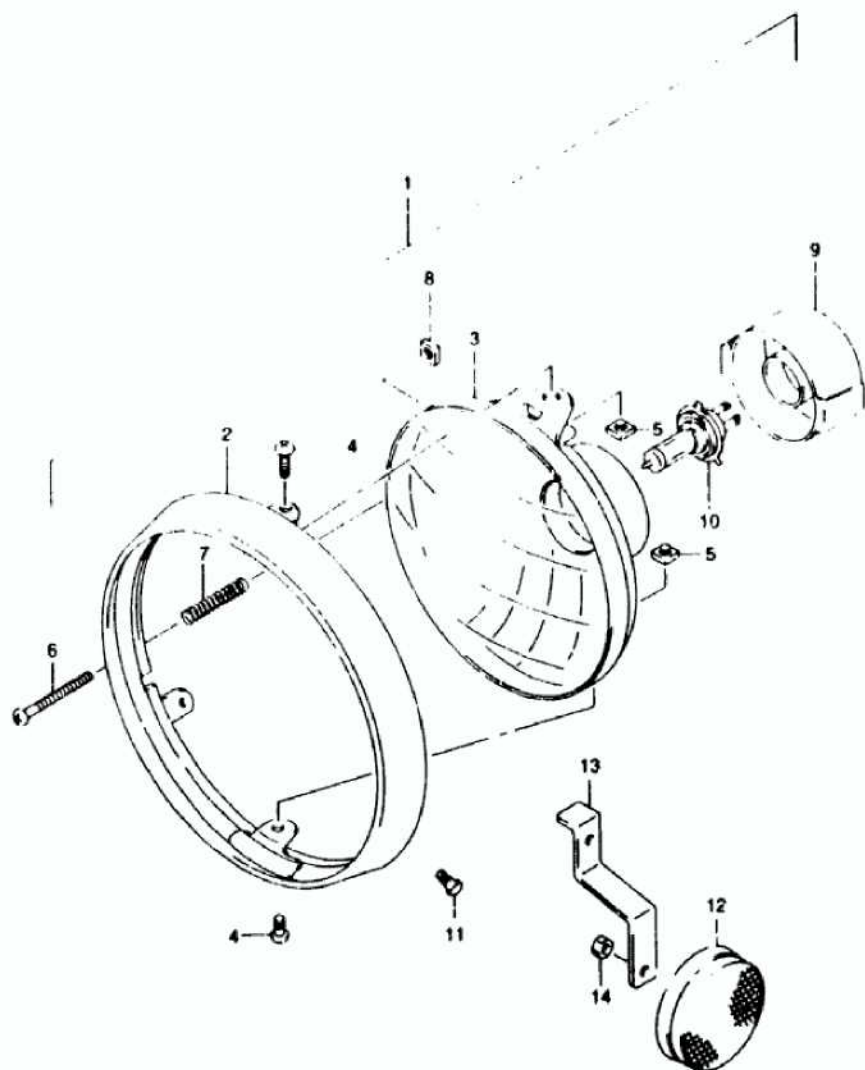


FIG 27 ( F-4)

HEADLAMP (SV650X/Y)

REF.NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	35100-19F00-999	HEADLAMP ASSY	1	
2	35111-19F00	RIM	1	
3	35121-19F00	LAMP UNIT	1	
4	35181-19F00	SCREW (5X16)	2	
5	35135-45900	NUT	2	
6	35151-19F00	SCREW ADJUSTING	1	
	35154-13F00	SPRING	1	
8	35152-45600	NUT	1	
9	35174-19F00	COVER SOCKET	1	
10	09471-12185	BULB (12V 60/55W)	1	
11	09139-05038	SCREW	2	
12	35950-14A00	REFLEX REFLECTOR ASSY	2	
13	35956-19F00	BRACKET FRONT SIDE RR	2	
14	0R310-00053	NUT	2	

REFER TO FIG 27A(F-5) FOR SV650SX/SY E28



MODEL X

MODEL Y

HEADLAMP (SV650SX/5Y E28)

**A1.0**

REMARKS

34 SV650 Y E3/E33

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C-08	AIR CLEANER	B-07	FRONT BRAKE HOSE	I-07	GEAR SHIFTING	D-12	OPTIONAL	J-07	REAR WHEEL	J-04	TRANSMISSION	D-10
C-06	CRANK CHAIN	B-08	FRONT CALIPER	I-06	HANDLE BAR	H-02	RADIATOR HOSE	D-07	SEAT TAIL COVER	H-11	TURN SIGNAL LAMP	F-06
C-04	CRANK CASE	B-09	FRONT CYLINDER HEAD	B-02	HANDLE LEVER	H-04	RADIATOR	D-06	SEAT	H-10	TURNING LABEL	H-09
F-02	FLY WHEEL / VALVE	B-06	FRONT SEAT	E-11	HEAD LIGHT	J-05	WHEEL COVER	F-02	WHEEL WIPER	D-04	WATER PUMP	D-04

FIG.28

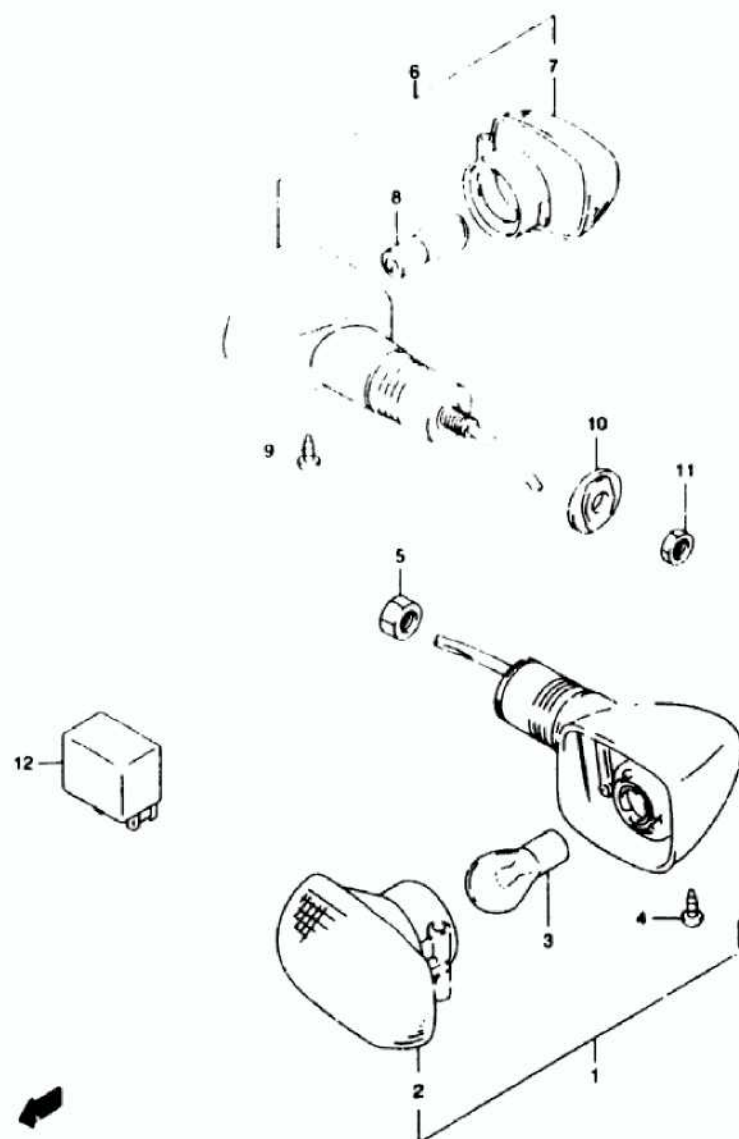


FIG 28 ( F-6)

TURN SIGNAL LAMP (SV650X/Y)

REF.NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1-1	35601-20F30	LAMP ASSY. FRONT TURN SIGNAL RH	1	
1-2	35602-20F30	LAMP ASSY. FRONT TURN SIGNAL LH	1	
2	35610-33E00	LAMP UNIT	2	
3	09471-12045	BULB (12V 21W)	2	
4	03242-04123	SCREW	2	
5	08316-19103	NUT	2	
6-1	35603-33E10	LAMP ASSY. REAR TURN SIGNAL RH	1	
6-2	35604-33E10	LAMP ASSY. REAR TURN SIGNAL LH	1	
7	35610-33E00	LAMP UNIT	2	
8	09471-12045	BULB (12V 21W)	2	
9	03242-04123	SCREW	2	
10	35635-17C00	SPACER REAR TURN SIGNAL	2	
11	08310-00103	NUT	2	
12	38410-03F00	RELAY ASSY. TURN SIGNAL LAMP	1	

REFER TO FIG 28A(F-7) FOR SV650S.XSY E28

35 SV650 Y E3/E33

F6

AIR CLEANER.....	C-08	CRANKCASE COVER.....	B-07	FRONT BRAKE HOSE.....	I-07	GEAR SHIFTING.....	D-12	OPTIONAL.....	J-07	REAR WHEEL.....	J-04	TRANSMISSION.....	D-10
BATTERY.....	E-04	CRANKCASE.....	B-05	FRONT CALIPER.....	I-06	HANDLE BAR.....	H-02	RADIATOR HOSE.....	D-07	SEAT TAIL COVER.....	H-11	TURN SIGNAL LAMP.....	F-06
CAM CHAIN.....	C-04	CRANKSHAFT.....	B-08	FRONT CYLINDER HEAD.....	B-02	HANDLE LEVER.....	H-04	RADIATOR.....	D-06	SEAT.....	H-10	WARNING LABEL.....	H-09
CLAY.....	C-03	CRANK PUMP.....	B-02	FRONT CYLINDER.....	B-01	HEADLIGHT.....	H-01	REAR FENDER.....	J-06	SEAT COVER.....	E-02	WATER PUMP.....	H-04



FIG.28A

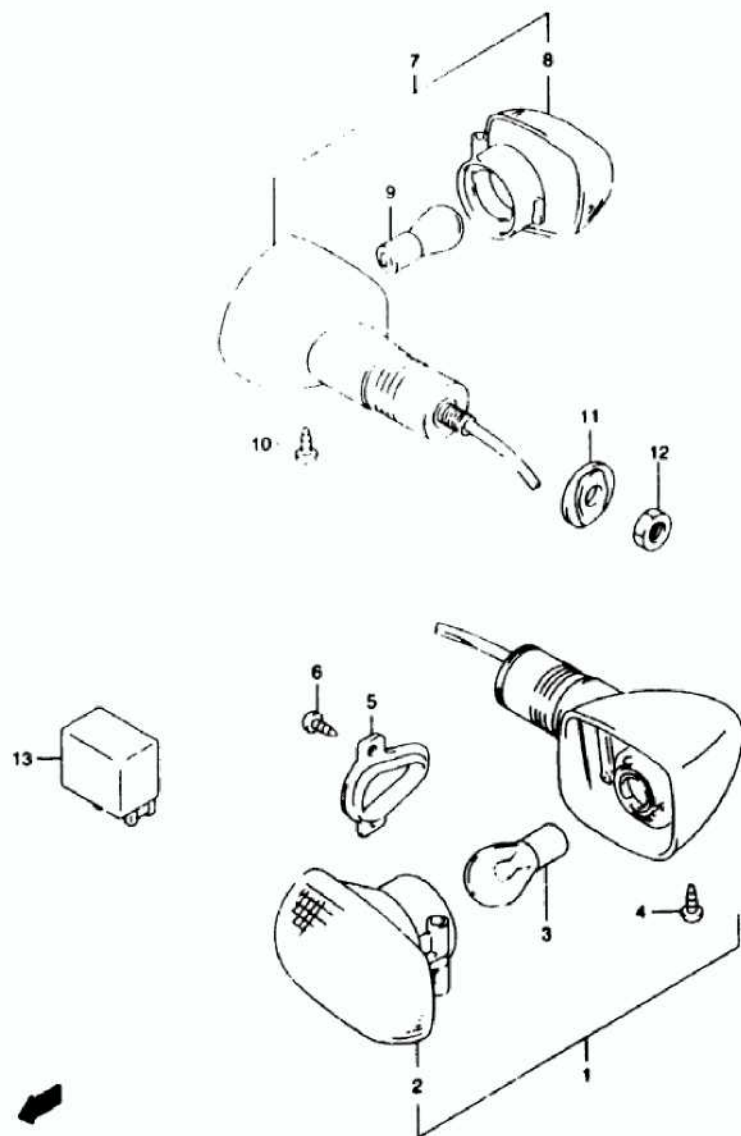


FIG 28A( F-7)

TURNSIGNAL LAMP (SV650SX/SY E28)

REF.NO.	PART NO.	DESCRIP. ION	Q'TY	REMARKS
1-1	35601-33E30	LAMP ASSY. FRONT TURNSIGNAL RH	1	
1-2	35602-33E30	LAMP ASSY. FRONT TURNSIGNAL LH	1	
2	35610-33E00	LAMP UNIT	2	
3	09471-12045	BULB (12V 21W)	2	
4	03242-04123	SCREW	2	
5	35629-33E00	PLATE FRONT TURNSIGNAL LAMP	2	
6	03511-05103	SCREW	4	
7-1	35603-33E10	LAMP ASSY. REAR TURNSIGNAL RH	1	
7-2	35604-33E10	LAMP ASSY. REAR TURNSIGNAL LH	1	
8	35610-33E00	LAMP UNIT	2	
9	09471-12045	BULB (12V 21W)	2	
10	03242-04123	SCREW	2	
11	35695-17C00	SPACER REAR TURNSIGNAL	2	
12	08310-00103	NUT	2	
13	38610-03F00	RELAY ASSY. TURNSIGNAL LAMP	1	

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F7

FIG.29

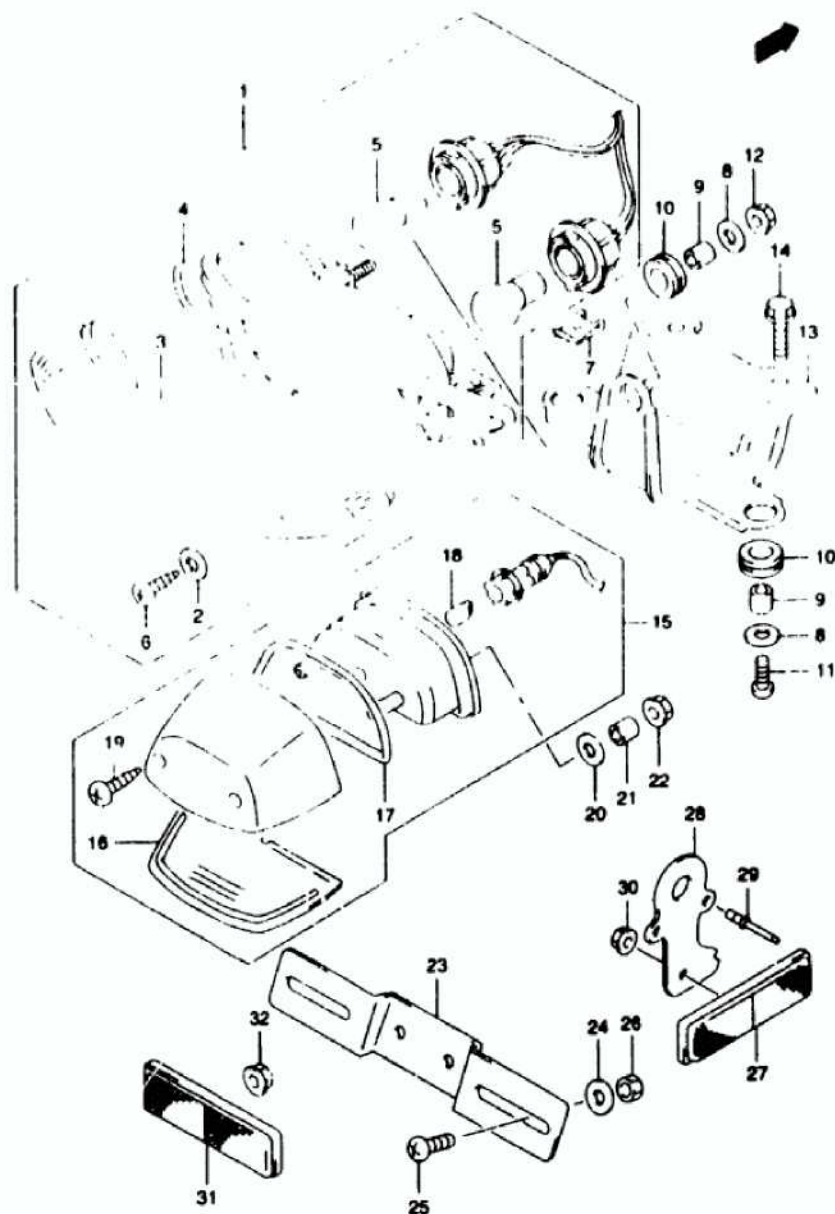


FIG 29 ( F-8)

TAIL LAMP

REF.NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	35710-02F30	LAMP ASSY. REAR COMBINATION	1	
2	35627-43010	GASKET	2	
3	35712-02F30	LENS	1	
4	35713-02F00	GASKET	1	
5	09471-12128	BULB (12V 21W)	1	
6	03211-04207	SCREW	2	
7	09148-05020	NUT	2	
8	09160-06088	WASHER (6.5X20X1.6)	3	
9	09180-06285	SPACER (6.5X10X9)	5	
10	09320-09007	WASHER	3	
11	03541-05203	SCREW	2	
12	08316-10063	NUT	1	
13	35726-19F00	BRACKET REAR COMBINATION	1	
14	01550-06123	BOLT	1	
15	35510-02F00	LAMP ASSY. LICENSE	1	
16	35512-02F00	LENS	1	
17	35913-02F00	GASKET	1	
18	09471-12081	BULB (12V 5W)	1	
19	03211-04163	SCREW	2	
20	09160-06088	WASHER (6.5X20X1.6)	2	
21	09180-05054	SPACER (5.5X9.5X11.5)	2	
22	08315-10053	NUT	2	
23	35927-48830	BRACKET LICENSE PLATE	1	
24	09160-06088	WASHER (6.5X20X1.6)	2	
25	02142-06123	SCREW	2	
26	08316-10063	NUT	2	
27	35970-07F00	REFLECTOR ASSY. REAR	2	
28	35975-19F00	BRACKET, REAR SIDE RR	2	
29	09229-04038	RIVET, REAR SIDE	2	
30	08310-00053	NUT, REAR SIDE	2	
31	35970-07F00	REFLEX REFLECTOR ASSY	1	
32	08316-10053	NUT, REAR	1	

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F8

AIR CLEANER..... C-08	CRANKCASE COVER..... B-07	FRONT BRAKE HOSE... I-07	GEAR SHIFTING..... D-12	OPTIONAL..... J-07	REAR WHEEL..... J-04	TRANSMISSION..... D-10
BATTERY..... E-04	CRANKCASE..... B-05	FRONT CALIPER..... I-06	HANDLE BAR..... H-02	RADIATOR HOSE..... D-07	SEAT TAIL COVER..... H-11	TURNSIGNAL LAMP..... F-06
CAM CHAIN..... C-04	CRANKSHAFT..... B-08	FRONT CYLINDER HEAD B-02	HANDLE LEVER..... H-04	RADIATOR..... D-06	SEAT..... H-10	WARNING LABEL..... H-09

FIG.30

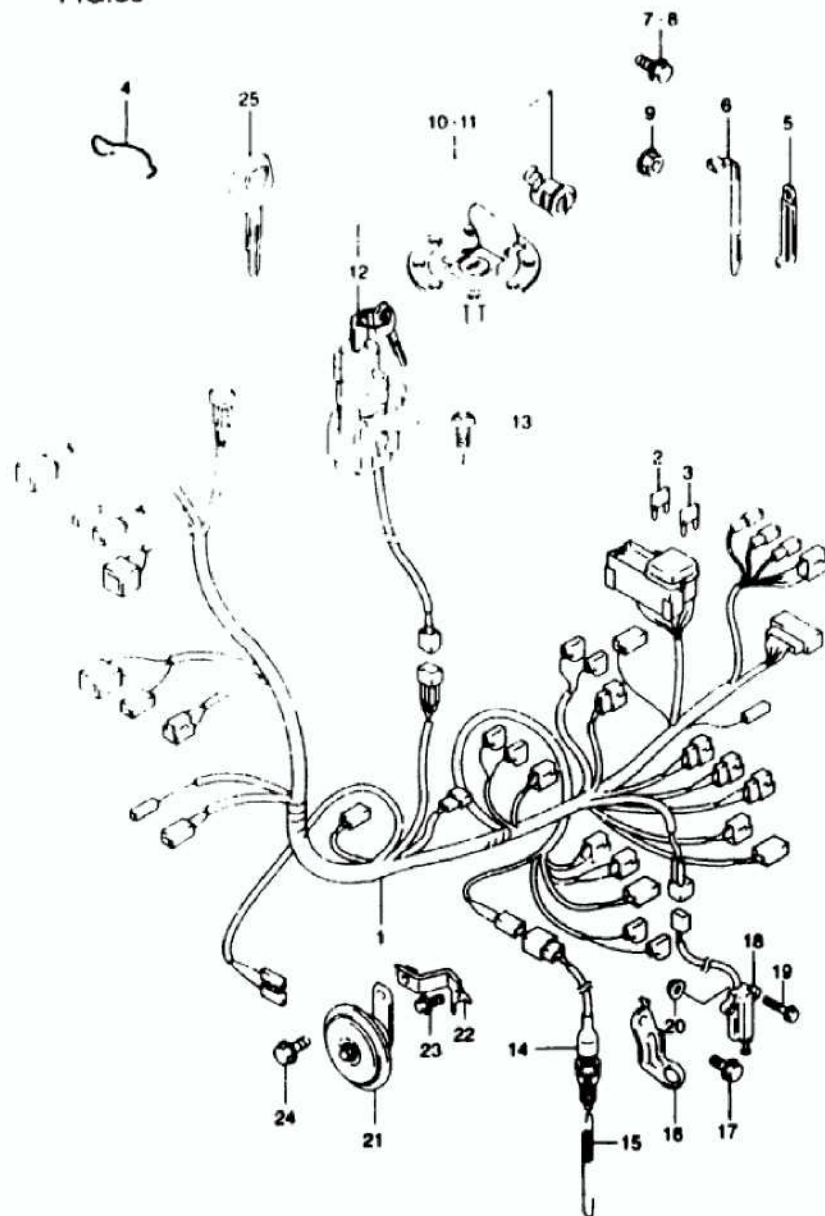


FIG 30 ( F-9)

WIRING HARNESS (SV650X/Y)

REF.NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	36610-20F10	HARNESS, WIRING NO.1	1	
2	09481-10501	FUSE (10A)	2	
3	09481-15501	FUSE (15A)	3	
4	36619-20F00	GUIDE, WIRING HARNESS	1	
5-1	09404-06432	CLAMP (L 80)	4	
5-2	09404-06435	CLAMP (L 135)	1	
5-3	09404-08207	CLAMP (L 97)	4	
6-1	09407-14403	CLAMP (L 125)	5	
6-2	09407-18402	CLAMP (L 165)	4	
7	01550-06123	BOLT, WIRING HARNESS	2	
8	01550-08253	BOLT, WIRING HARNESS	1	
9	08316-10083	NUT, WIRING HARNESS	1	
10	37101-19830	LOCK SET	1	
11	37101-19840	LOCK SET	1	E 11
12	37100-19F00	LOCK ASSY, STEERING	1	
13	09139-08016	BOLT (RX20)	2	
14	37740-31D00	SWITCH ASSY, STOP LAMP	1	
15	09443-06065	SPRING	1	
16	43251-19F10	BRACKET, STOP LAMP SWITCH	1	
17	01550-06123	BOLT	1	
18	37840-19F00	SWITCH ASSY, SIDE STAND	1	
19	37849-19F00	BOLT	2	
20	08316-10063	NUT	1	
21	38500-02F60	HORN ASSY	1	
22	38590-19F00	BRACKET, HORN	1	
23	01550-06123	BOLT	1	
24	01550-08123	BOLT	1	
25	37146-33E00	KEY, BLANK	1	OPT

REFER TO FIG 30A(F-10) FOR SV650S/X/SY E28

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F9



FIG.30A

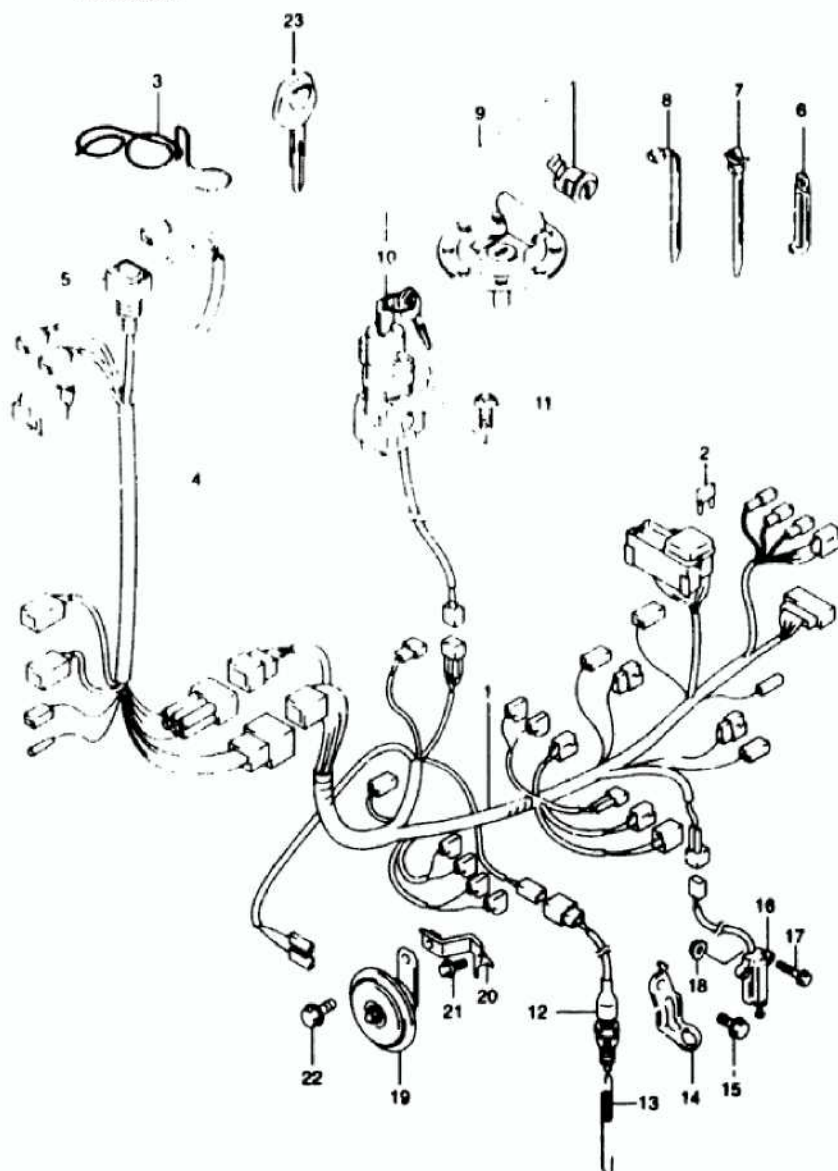


FIG 30A( F-10)

WIRING HARNESS (SV650SX/SY E28)

REF.NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	36610-19F00	HARNESS, WIRING NO 1	1	
2-1	09481-10501	FUSE (10A)	2	
2-2	09481-15501	FUSE (15A)	3	
3	36619-33E00	GUIDE, WIRING HARNESS	1	
4	36620-19F10	HARNESS, WIRING NO 2	1	
5	36618-33E00	COVER, SPEEDOMETER COUPLER	1	
6-1	09404-06432	CLAMP (L 80)	3	
6-2	09404-06435	CLAMP (L 135)	1	
7	09407-11402	CLAMP (L 90)	2	
8-1	09407-14403	CLAMP (L 125)	5	
8-2	09407-18402	CLAMP (L 165)	5	
9	37101-19B30	LOCK SET	1	
10	37100-19F00	LOCK ASSY, TEERING	1	
11	09139-08016	BOLT R x 2	2	
12	37740-31D00	SWITCH ASSY, STOP LAMP	1	
13	09443-06005	SPRING	1	
14	43251-19F00	BRACKET, STOP LAMP SWITCH	1	
15	01550-06123	BOLT	1	
16	37840-19F00	SWITCH ASSY, SIDE STAND	1	
17	37849-19F00	BOLT	2	
18	08316-1006J	NUT	1	
19	38500-02F60	HORN ASSY	1	
20	38590-19F00	BRACKET, HORN	1	
21	01550-06123	BOLT	1	
22	01550-06123	BOLT	1	
23	37146-33E00	KEY, BLANK	1	OPT

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F 10

AIR CLEANER..... C-08	CRANKCASE COVER..... B-07	FRONT BRAKE HOSE..... I-07	GEAR SHIFTING..... D-12	OPTIONAL..... J-07	WEAR WHEEL..... J-04	TRANSMISSION..... D-10
BATTERY..... E-04	CRANKCASE..... B-05	FRONT CALIPER..... I-04	HANDLE BAR..... H-02	RADIATOR HOSE..... D-07	SEAT TAIL COVER..... H-11	TURN SIGNAL LAMP..... F-04

FIG.31

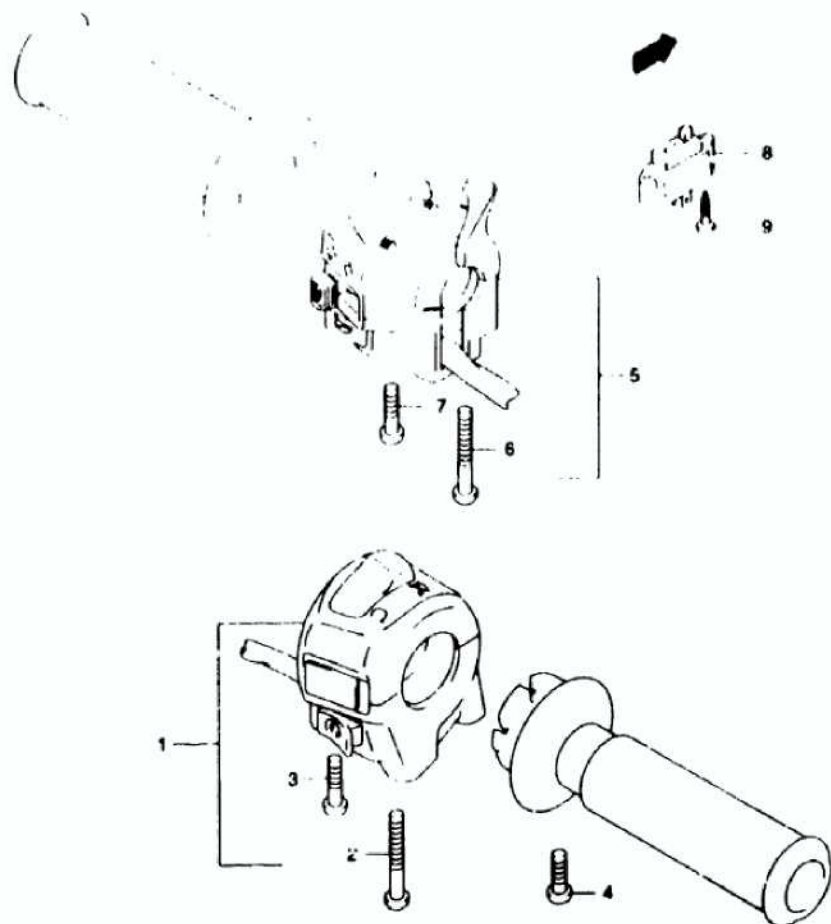


FIG 31 ( F-11)

HANDLE SWITCH (SV650X/Y)

REF.NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	37200-27E31	SWITCH ASSY HANDLE RH	1	
2	02112-05505	SCREW	1	
3	02112-05305	SCREW	1	
4	02112-05103	SCREW THROTTLE CABLE	1	
5	37400-23E30	SWITCH ASSY HANDLE LH	1	
6	02112-05455	SCREW	1	
7	09125-05066	SCREW (5x25)	1	
8	37560-38A00	SWITCH ASSY CLUTCH	1	
9	37564-26E00	SCREW	2	

REFER TO FIG 31A(F 12) FOR CLUTCH SWITCH E2R

FIG.31A

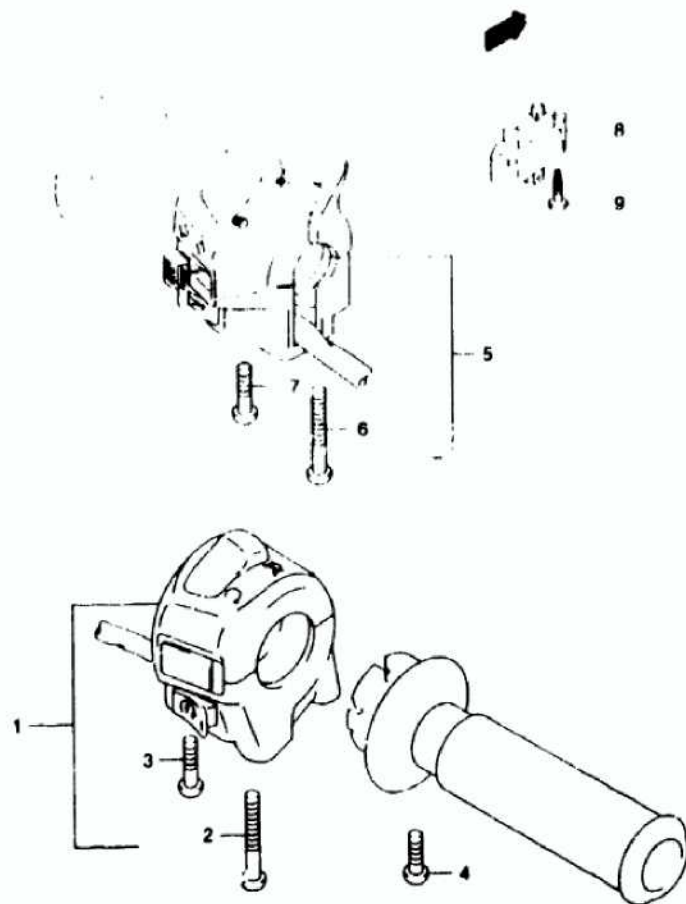


FIG 31A( F-12)

HANDLE SWITCH (SV650SX/SY E28)

REF.NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	37200-33E31	SWITCH ASSY HANDLE RH	1	
2	02112-05505	SCREW	1	
3	02112-05305	SCREW	1	
4	02112-05103	SCREW THROTTLE CABLE	1	
5	37400-26E31	SWITCH ASSY HANDLE LH	1	
6	02112-05455	SCREW	1	
7	09125-05065	SCREW (5X25)	1	
8	37560-38A00	SWITCH ASSY CLUTCH	1	
9	37564-11E00	SCREW	2	



FIG.32

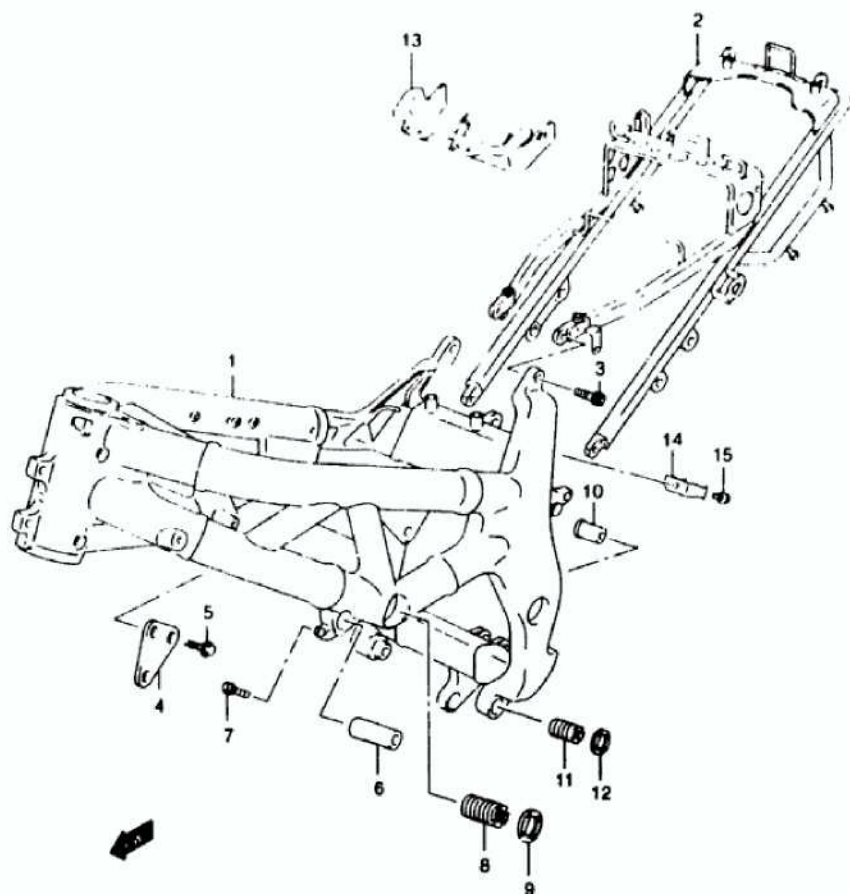


FIG 32 ( G-2) FRAME

REF.NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1-1	41100-19F01-13L	FRAME (SILVER)	1	MODEL X
1-2	41100-19F02-13L	FRAME (SILVER)	1	MODEL Y
2	41200-19F01	RAIL SEAT	1	
3	07130-10303	BOLT	4	
4	41991-19F00	PLATE MOUNT FRONT RH	1	
5	01550-08203	BOLT	2	
6	41198-19F00	SPACER HEAD MOUNT	3	
7	07130-08307	BOLT	3	
8	41921-19F00	BOLT CRANKCASE ADJUST	1	
9	41922-19F00	NUT CRANKCASE ADJUST	1	
10	41941-19F00	SPACER CRANKCASE REAR UPPER	1	
11	41921-33E11	BOLT CRANKCASE ADJUST	1	
12	41922-33E00	NUT CRANKCASE ADJUST	1	
13	47411-19F01	HOLDER ELECTRIC PART	1	
14	47413-19F00	PLATE RELAY	1	
15	01550-06123	BOLT	1	

\*\*\*\*Engine Cases and Frames for this model must be ordered on the Frame/Engine Case Order Form (99924-FC003). If you have any questions regarding these procedures, please call your Parts Coordinator before placing your order.

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G 2

AIR CLEANER.....	C-08	CRANKCASE COVER....	B-07	FRONT BRAKE HOSE....	I-07	GEAR SHIFTING.....	D-12	OPTIONAL.....	J-07	REAR WHEEL.....	J-04	TRANSMISSION.....	D-10
BATTERY.....	E-04	CRANKCASE.....	B-05	FRONT CALIPER.....	I-06	HANDLE BAR.....	H-02	RADIATOR HOSE.....	D-07	SEAT TAIL COVER....	H-11	TURNSIGNAL LAMP....	F-06
FAN CHAIN.....	C-06	FRANKSHAFT.....	B-08	FRONT CYLINDER HEAD B.B.S		HANDLE BAR.....	H-04	RADIATOR.....	D-04	SEAT.....	H-10	WARNING LABEL.....	H-09

FIG.33

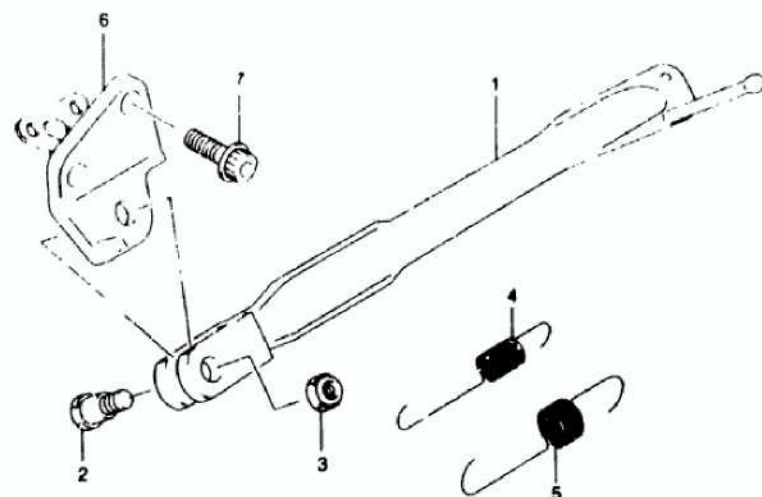
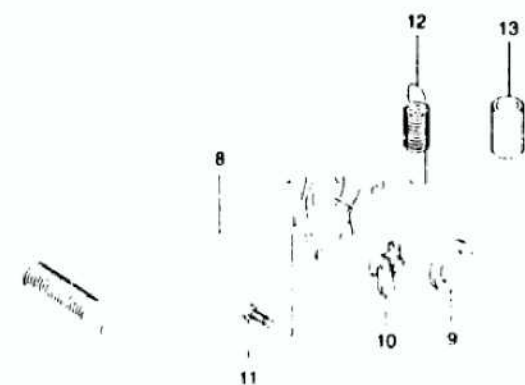


FIG 33 ( G-3)

STAN.

REF.NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	42310-19F00	STAND, PROP	1	
2	09111-10027	BOLT	1	
3	08319-21103	NUT	1	
4	09443-14066	SPRING INNER	1	
5	09443-19012	SPRING OUTER	1	
6	42330-19F01	BRACKET, PROP STAND	1	
7	07120-10303	BOLT	2	
8	43111-33E00	PEDAL, BRAKE	1	
9	09160-18022	WASHER (13X24X1)	1	
10	43561-27E00	HOOK, RETURN SPRING	1	
11	02112-05163	SCREW	1	
12	09443-13029	SPRING	1	
13	43261-17C00	TUBE, SPRING GUIDE	1	

FIG.34

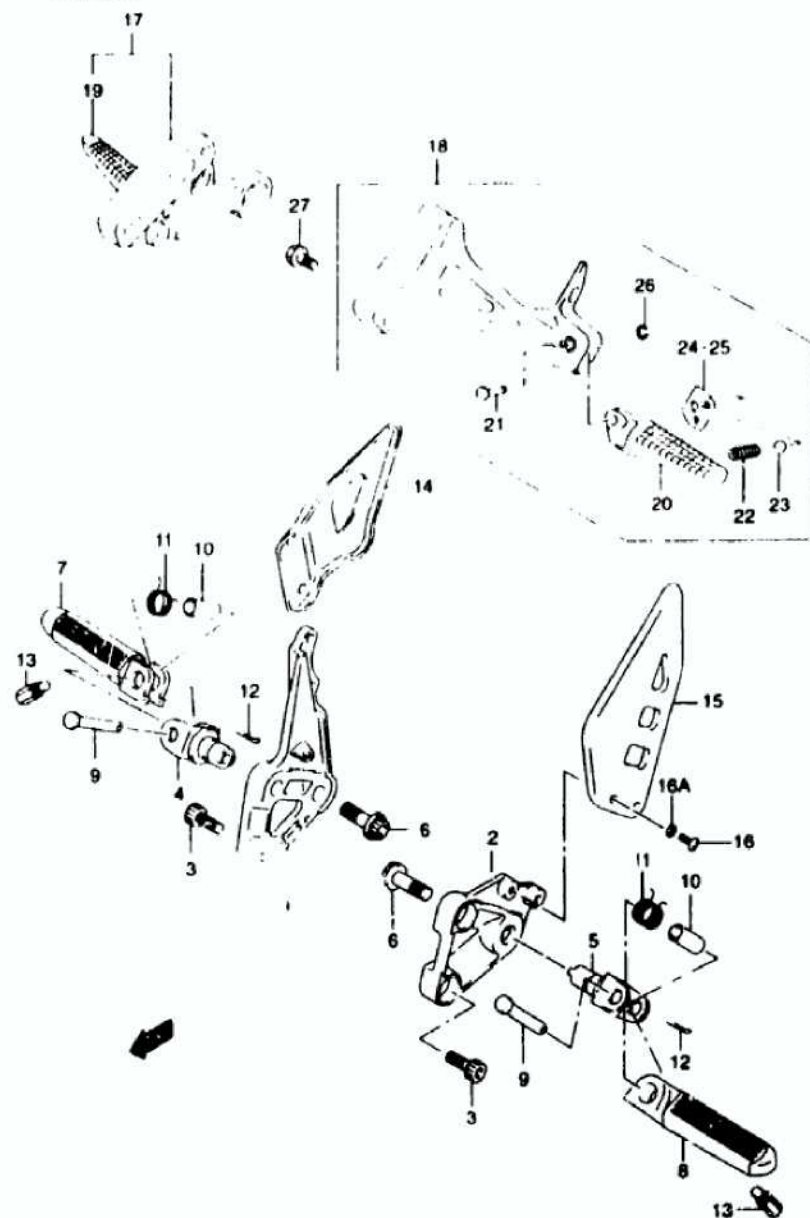


FIG 34 ( G-4)

## FOOTREST

REF.NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1-1	43511-19F00	BRACKET, FRONT FOOTREST RH	1	SV650X/Y
1-2	43511-33E10	BRACKET, FRONT FOOTREST RH	1	SV650SX/SY E28
2-1	43521-19F00	BRACKET, FRONT FOOTREST LH	1	SV650X/Y
2-2	43521-33E00	BRACKET, FRONT FOOTREST LH	1	SV650SX/SY E28
3	07130-08203	BOLT	4	
4	43530-17E01	HOLDER, FOOTREST RH	1	
5	43540-17E00	HOLDER, FOOTREST LH	1	
6	09106-10064	BOLT	2	
7	43510-02F11	BAR, FOOTREST RH	1	
8	43520-02F11	BAR, FOOTREST LH	1	
9	09200-08057	PIN	2	
10	09180-08149	SPACER (8.1X12X22)	2	
11	09448-18022	SPRING	2	
12	04111-25158	CUTTER PIN	2	
13	43576-07D01	BOLT, BANK SENSOR	2	
14	43571-33E01	GUARD, FRONT FOOTREST RH	1	
15	43576-19F00	GUARD, FRONT FOOTREST LH	1	
16	09139-05054	SCREW (5X16)	2	
16A	09161-08018	WASHER	2	
17	43600-19F00	FOOTREST ASSY, PILLION, RH	1	
18	43700-19F00	FOOTREST ASSY, PILLION LH	1	
19	43611-33E10	BAR, PILLION FOOTREST RH	1	
20	43621-33E10	BAR, PILLION FOOTREST LH	1	
21	09208-06007	PIN	2	
22	09440-05005	SPRING	2	
23	06111-07004	BALL	2	
24	43816-33E21	PLATE, PILLION RH	1	
25	43826-33E21	PLATE, PILLION LH	1	
26	08332-11043	E RING	2	
27	01550-08163	BOLT	4	



This diagram shows an exploded view of a mechanical assembly. The main component is a large, curved housing (1) with a central opening. Various parts are shown in their relative positions as they would be assembled. Key components include:
 

- 1**: The main curved housing.
- 2**: A small, rectangular component located inside the housing.
- 3**: A small, circular component at the top of the housing.
- 4**: A small, cylindrical component at the top of the housing.
- 5**: A small, cylindrical component on the left side of the housing.
- 6**: A small, cylindrical component on the left side of the housing.
- 7**: A small, cylindrical component on the left side of the housing.
- 8**: A small, cylindrical component on the left side of the housing.
- 9**: A small, cylindrical component on the right side of the housing.
- 10**: A long, thin, rectangular component at the bottom of the housing.
- 11**: A small, cylindrical component on the right side of the housing.
- 12**: A small, cylindrical component on the right side of the housing.
- 13**: A small, cylindrical component on the right side of the housing.
- 14**: A small, cylindrical component on the right side of the housing.
- 15**: A small, cylindrical component on the right side of the housing.
- 16**: A small, cylindrical component on the right side of the housing.
- 17**: A long, thin, rectangular component at the bottom of the housing.
- 18**: A small, cylindrical component on the right side of the housing.
- 19**: A small, cylindrical component on the right side of the housing.
- 20**: A small, cylindrical component on the right side of the housing.
- 21**: A small, cylindrical component on the right side of the housing.
- 22**: A small, cylindrical component on the right side of the housing.

REF.NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1-1	44100-19F00-Y7E	TANK ASSY. FUEL (BLUE)	1	
1-2	44100-19F00-Y7M	TANK ASSY. FUEL (RED)	1	
1-3	44100-19F20-Y7E	TANK ASSY. FUEL (BLUE)	1	E32
1-4	44100-19F20-Y7M	TANK ASSY. FUEL (RED)	1	E33
2-1	68111-42E00-20G	EMBLEM FUEL TANK (GRAY)	2	FOR Y7M
2-2	68111-42E00-12Y	EMBLEM FUEL TANK (GRAY)	2	FOR Y7E
3-1	44200-33870	CAP SET FUEL TANK	1	
3-2	44200-33890	CAP SET FUEL TANK	1	E33
4	09106-05017	BOLT (L 20)	4	
5	09135-06L79	SCREW (5*45)	2	
6	09160-00654	WASHER (60x22-10)	2	
7	44512-19F00	CUSHION FRONT	2	
8	44512-19F00	CUSHION FRONT	2	
9	44559-19F00	CUSHION FUEL TANK SIDE	2	
10	44574-33E01	STAY FUEL TANK	1	
11	09403-05310	CLAMP	1	
12	44550-19F10	BRACKET FUEL TANK REAR	1	
13	01550-08163	BOLT	2	
14	44541-02F00	CUSHION FUEL TANK REAR	2	
15	44561-19F00	SPACEER FUEL TANK REAR	1	
16	01150-08853	BOLT	1	
17	09352-70103-600	HOSE, NO 2 (L 600 → 480)	1	
18	09367-08004	JOINT, 3 WAY	1	
19	09352-70103-600	HOSE, NO 1 (L 600 → 160)	1	
20	09351-14152-600	PROTECTOR (L 600 → 140)	1	
21	44339-19F00	CLAMP, DRAIN HOSE	1	
22	44194-19F00	SHIELD, TANK FRONT	1	

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FIG.35A

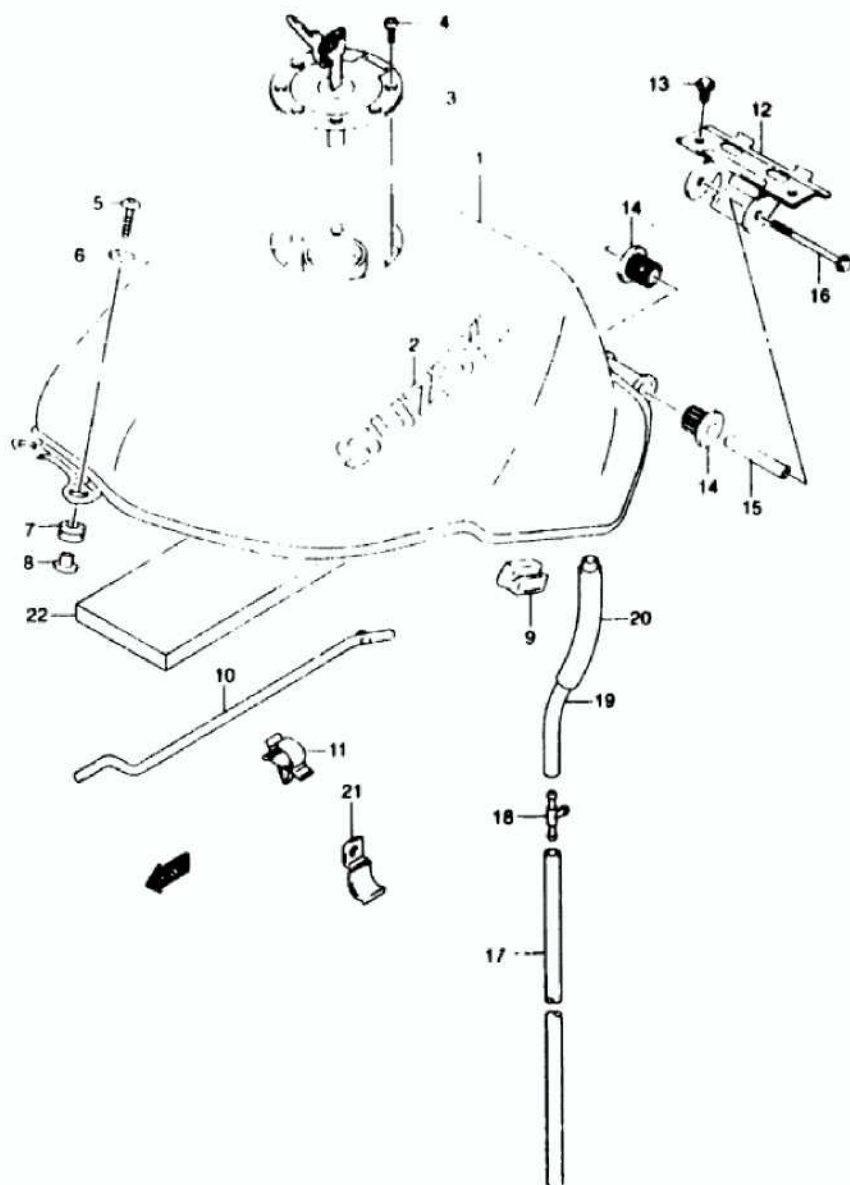


FIG 35A( G-6) FUEL TANK (MODEL Y)

REF.NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1-2	44100-19F40-Y7M	TANK ASSY. FUEL (RED)	1	
1-4	44100-19F40-YC2	TANK ASSY. FUEL (BLUE)	1	
1-6	44100-19F50-Y7M	TANK ASSY. FUEL (RED)	1	E33
1-8	44100-19F50-YC2	TANK ASSY. FUEL (BLUE)	1	E33
2-1	68111-12C00-1ZY	EMBLEM FUEL TANK (GRAY)	2	FOR Y7L YC2
2-2	68111-12C00-20G	EMBLEM FUEL TANK (GRAY)	2	FOR Y7M
3-1	44200-33870	CAP SET FUEL TANK	1	
3-2	44200-33890	CAP SET FUEL TANK	1	E33
4	09106-05017	BOLT (L 20)	4	
5	09139-02709	SCREW (5X20)	2	
6	09160-06054	WASHER (6.5X22X1.2)	2	
7	44511-19F00	CUSHION FRONT	2	
8	44512-19F00	CUSHION FRONT	2	
9	44559-19F00	CUSHION FUEL TANK SIDE	2	
10	44574-33E01	STAY FUEL TANK	1	
11	09403-05310	CLAMP	1	
12	44550-19F10	BRACKET FUEL TANK REAR	1	
13	01550-08163	BOLT	2	
14	44541-02F00	CUSHION FUEL TANK REAR	2	
15	44561-19F00	SPACER FUEL TANK REAR	1	
16	01550-08853	BOLT	1	
17	09352-70103-600	HOSE NO 2 (L 600 →480)	1	
18	09367-08004	JOINT 3 WAY	1	
19	09352-70103-600	HOSE NO 1 (L 600 →160)	1	
20	09351-14152-600	PROTECTOR (L 600 →140)	1	
21	44339-19F00	CLAMP DRAIN HOSE	1	
22	44194-19F00	SHIELD TANK FRONT	1	

FIG.36

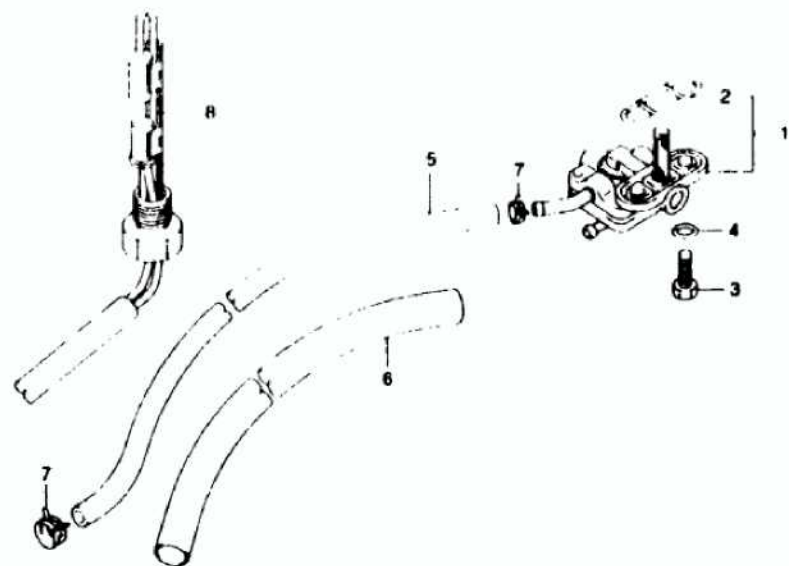


FIG 36 ( G-7)

FUEL COCK

REF.NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	44300-19F00	COCK ASSY. FUEL	1	
2	44351-33E00	O RING, JOINT	1	
3	09128-06057	BOLT	2	
4	09168-06026	GASKET (6.4X11.5X0.8)	2	
5	09355-50105-600	HOSE FUEL (L 600 *24")	1	
6	09351-14152-600	PROTECTOR (L 600 *280)	1	
7	09401-09403	CLIP	2	
8	34810-19F10	GAUGE ASSY. FUEL LEVEL	1	

FIG.45



FIG 45 ( H-8)

COWLING INSTALLATION PARTS (SV650SX/SY E28) CANADA ONLY

REF.NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	94510-19F00	BRACE COWLING	1	
2	01550-08303	BOLT	2	
3	02142-05123	SCREW	2	
4	02142-05203	SCREW	2	
5	03159-05019	NUT	2	
6	94484-24F00	NUT COWLING	4	
7	03409-06314-5PK	CLIP (BLACK)	2	
8	03241-15163	SCREW	2	
9	09148-05038	NUT	2	
10	94521-19F00	BRACKET SIDE UPPER RH	1	
11	94531-19F00	BRACKET SIDE UPPER LH	1	
12	01500-06123	BOLT UPPER	4	
13	94541-19F00	BRACKET SIDE REAR LH	1	
14	01540-06164	BOLT SIDE REAR	1	
15	09320-09018	CUSHION (Hx20x1)	2	
16	09320-09016	CUSHION	2	
17	09139-06087	SCREW (M6X20)	1	
17	09139-05054	SCREW (M5X16)	11	

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H 8

AIR CLEANER..... C-08    CRANKCASE COVER..... B-07    FRONT BRAKE HOSE... I-07    GEAR SHIFTING..... D-12    OPTIONAL..... J-07    REAR WHEEL..... J-04    TRANSMISSION..... D-10  
 BATTERY..... F-04    CRANKCASE..... B-04    FRONT FALIPER..... I-04    HANDLE BAR..... H-03    RADIATOR HOSE..... D-07    SEAT TAIL COVER..... H-11    TURN SIGNAL LAMP..... F-04



FIG. 47

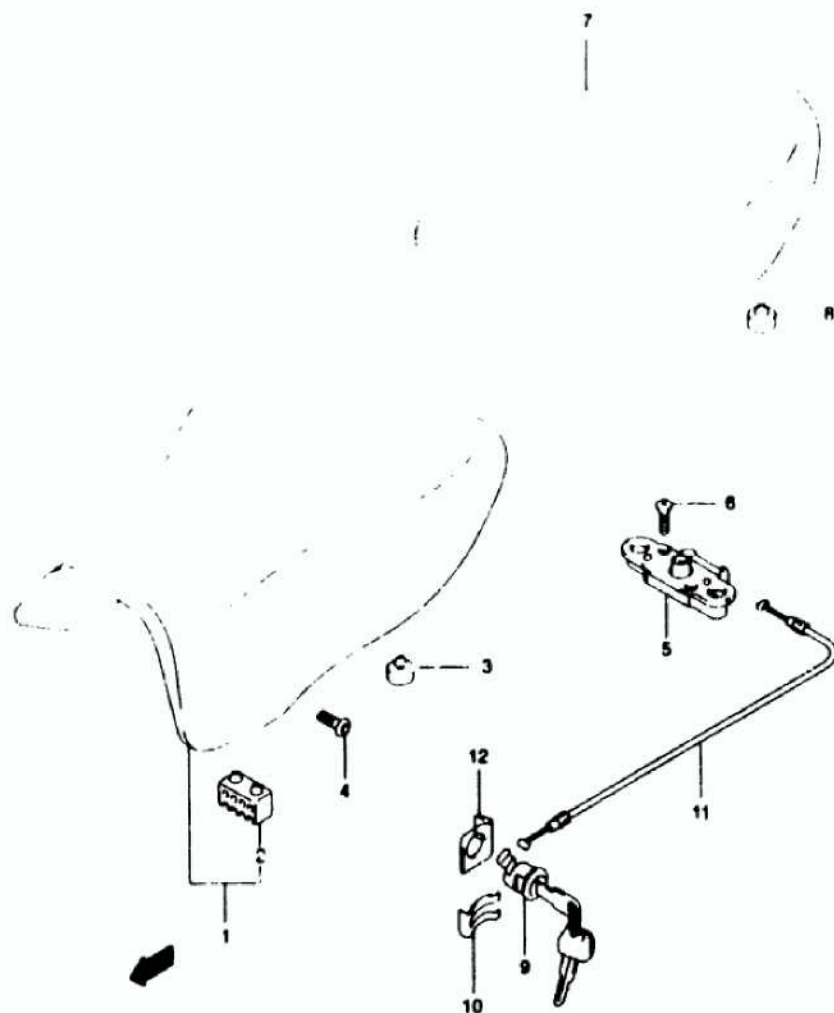


FIG 47 ( H-10)

SEAT

REF.NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	45100-19F50-W05	SEAT ASSY (BLACK)	1	
2	45149-31300	CUSHION	1	
3	09321-10002	CUSHION	2	
4	09106-06064	BOLT (6X18)	2	
5	45220-20A01	BRACKET SEAT SUPPORT REAR	1	
6	02122-06303	SCREW	2	
7	45100-19F50-W05	SEAT ASSY PILLION (BLACK)	1	
8	09321-10011	CUSHION	2	
9	95700-14810	LOCK SET SEAT	1	
10	45289-11F00	PLATE SEAT LOCK	1	
11	45280-38400	CABLE SEAT LOCK	1	
12	45288-14F00	GUIDE SEAT LOCK CABLE	1	

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H 10

AIR CLEANER..... C-08    CRANKCASE COVER..... B-07    FRONT BRAKE HOSE... I-07    GEAR SHIFTING..... D-12    OPTIONAL..... J-07    REAR WHEEL..... J-04    TRANSMISSION..... D-10  
 BATTERY..... E-04    CRANKCASE..... B-05    FRONT CALIPER..... I-06    HANDLE BAR..... H-02    RADIATOR NOSE..... D-07    SEAT TAIL COVER... H-11    TURN SIGNAL LAMP... F-06

FIG.48

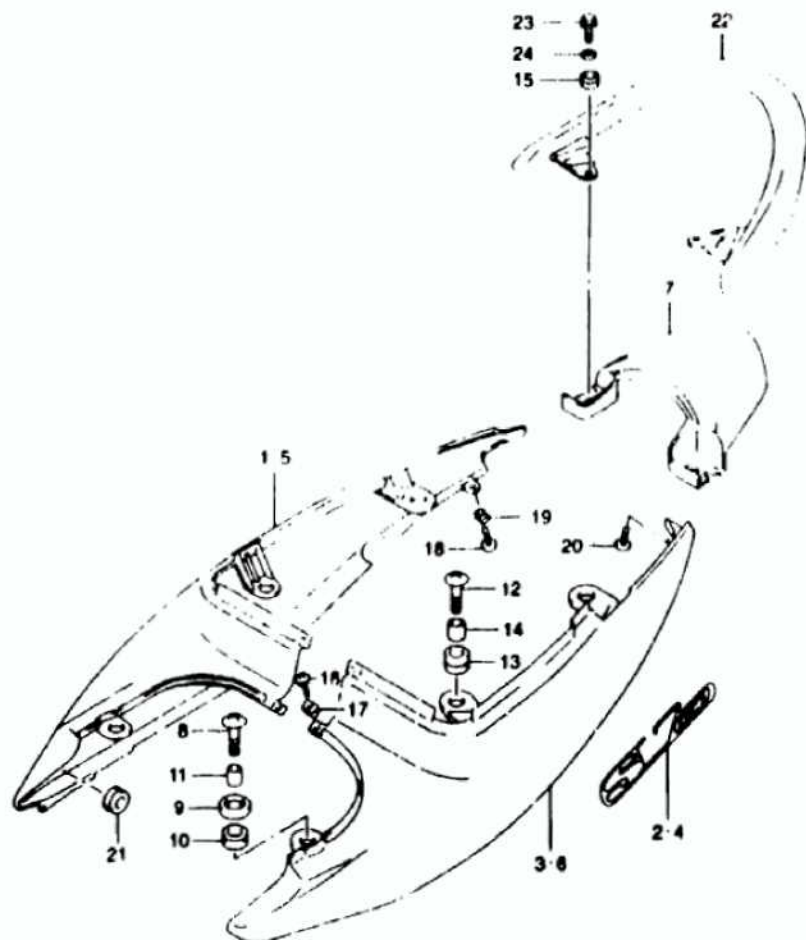


FIG 48 ( H-11) SEAT TAIL COVER (MODEL X)

REF.NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1-1	45501-20F00-Y7E	COVER, SEAT TAIL RH (BLUE)	1	SV650X
1-2	45501-20F00-Y7M	COVER, SEAT TAIL RH (RED)	1	SV650X
2-1	68165-20F00-N0J	EMBLEM TAIL COVER,SV650	1	FOR Y7E
2-2	68165-20F00-N0H	EMBLEM TAIL COVER,SV650	1	FOR Y7M
3-1	45502-20F00-Y7E	COVER, SEAT TAIL LH (BLUE)	1	SV650X
3-2	45502-20F00-Y7M	COVER, SEAT TAIL LH (RED)	1	SV650X
4-1	68165-20F00-N0J	EMBLEM TAIL COVER,SV650	1	FOR Y7E
4-2	68165-20F00-N0H	EMBLEM TAIL COVER,SV650	1	FOR Y7M
5				NOT LISTED
6				NOT LISTED
7	45503-19F50-35W	COVER, SEAT TAIL CENTER (GRAY)	1	
8	09136-06093	SCREW, FRONT (6X30)	2	
9	47115-19F00	CUSHION, FR UPPER (10X28X13)	2	
10	47115-19F00	CUSHION, FR LOWER (10X22X15)	2	
11	09180-06294	SPACER (6.5X10X15.7)	2	
12	09136-06135	SCREW, CENTER (6X20)	2	
13	09320-10945	CUSHION (10X28X19)	2	
14	09160-10260	SPACER (6.5X10X9.4)	2	
15	47115-05F00	CUSHION, REAR (15X28X12)	2	
16	03241-15123	SCREW	2	
17	09148-05038	NUT	2	
18	03241-15123	SCREW	2	
19	09148-05038	NUT	2	
20	03242-04103	SCREW	2	
21	09320-08018	CUSHION (8X26X7)	2	
22	46210-19F50-291	HANDLE, PILLION RIDER (BLACK)	1	
23	01810-08253	BOLT	2	
24	09160-08126	WASHER	2	

REFER TO FIG 49(H-12) FOR MODEL Y

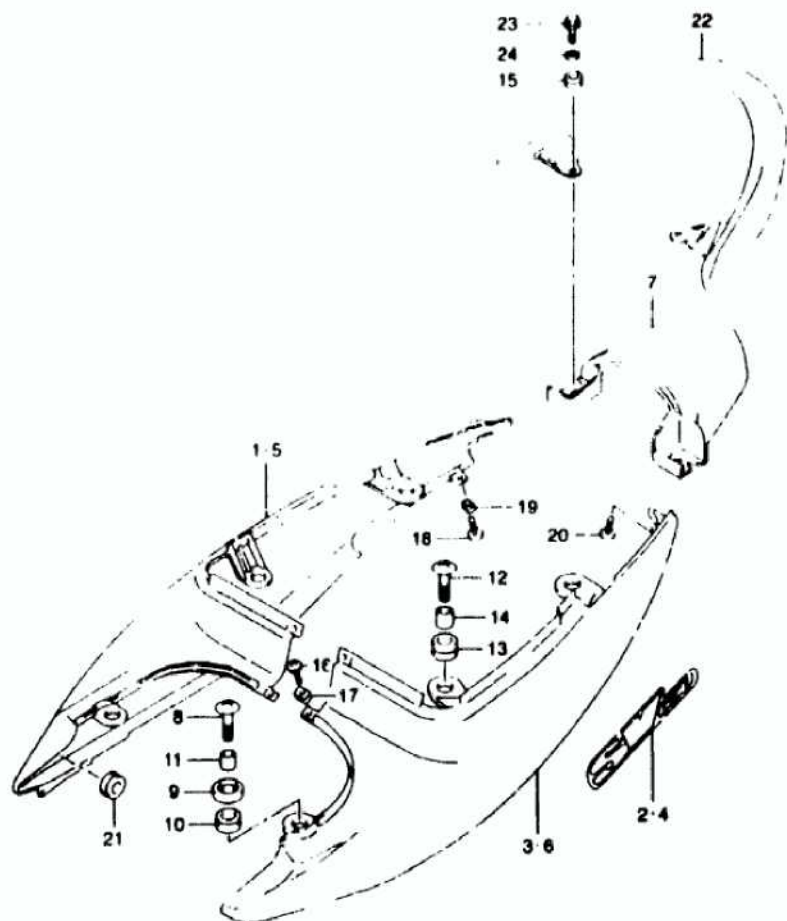
61 SV650 Y E3/E33

H 11

AIR CLEANER..... C-08    CRANKCASE COVER..... B-07    FRONT BRAKE HOSE..... I-07    GEAR SHIFTING..... D-12    OPTIONAL..... J-07    REAR WHEEL..... J-04    TRANSMISSION..... D-10  
 BATTERY..... E-04    CRANKCASE..... B-05    FRONT CALIPER..... I-06    HANDLE BAR..... H-02    RADIATOR HOSE..... D-07    SEAT TAIL COVER..... H-11    TURN SIGNAL LAMP..... F-06

FIG.49

FIG 49 ( H-12) SEAT TAIL COVER (MODEL Y)



REF.NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1-1	45501-20F00-YC2	COVER, SEAT TAIL RH (BLUE)	1	SV650Y FOR YC2
1-2	45501-20F00-Z7X	COVER, SEAT TAIL RH (RED)	1	SV650Y FOR Y7M
2-1	68165-20F00-N9W	EMBLEM, TAIL COVER SV650	1	FOR YC2
2-3	68165-20F00-N9V	EMBLEM, TAIL COVER SV650	1	FOR Z7X
3-1	45502-20F00-YC2	COVER, SEAT TAIL LH (BLUE)	1	SV650Y FOR YC2
3-3	45502-20F00-Z7X	COVER, SEAT TAIL LH (RED)	1	SV650Y FOR Y7M
4-1	68165-20F00-N9W	EMBLEM, TAIL COVER SV650	1	FOR YC2
4-3	68165-20F00-N9V	EMBLEM, TAIL COVER SV650	1	FOR Z7X
5				NOT LISTED
7				NOT LISTED
7-1	45503-19F50-35W	COVER, SEAT TAIL CENTER (GRAY)	1	FOR YC2 Y7M Y9F
7-2	45503-19F50-Y7L	COVER, SEAT TAIL CENTER (RED)	1	FOR Y7L

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H 12

AIR CLEANER..... C-08	CRANKCASE COVER..... B-07	FRONT BRAKE HOSE... I-07	GEAR SHIFTING..... D-12	OPTIONAL..... J-07	REAR WHEEL..... J-04	TRANSMISSION..... D-10
BATTERY..... E-04	CRANKCASE..... B-05	FRONT CALIPER..... I-04	MAPLE BAR..... H-07	RADIATOR HOSE..... D-07	SEAT TAIL COVER.... H-11	TURN SIGNAL LAMP.... F-06

FIG.50

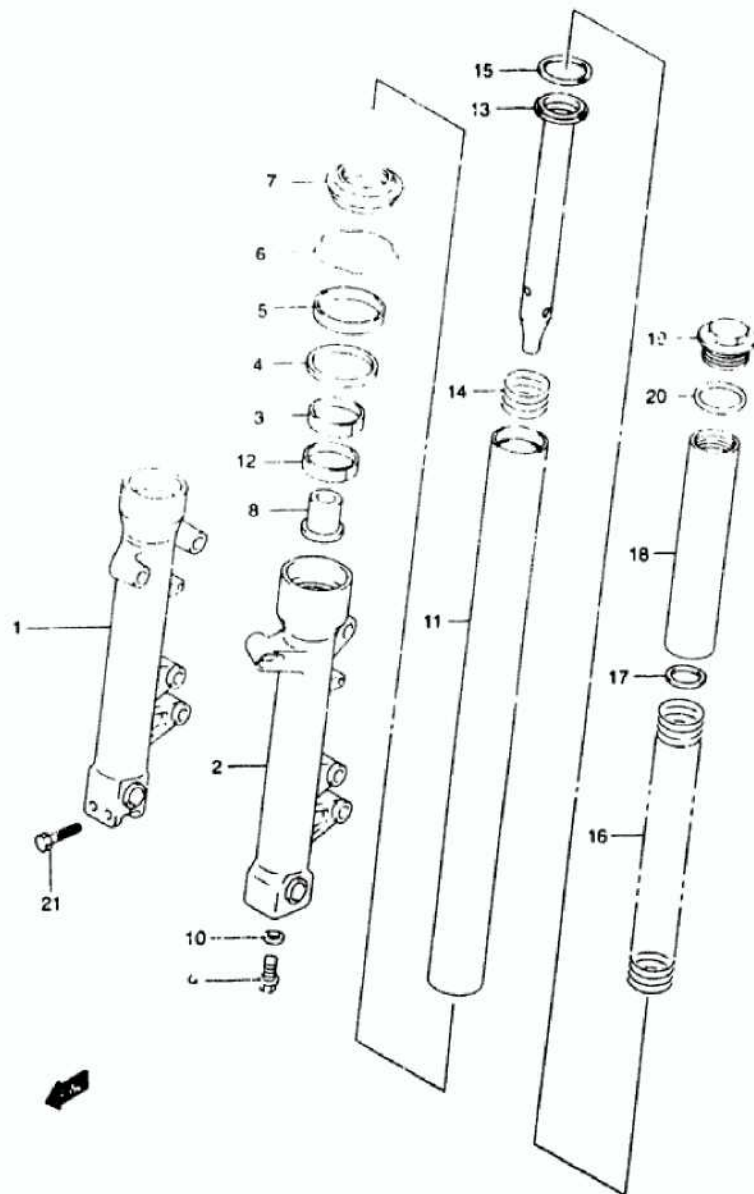


FIG 50 ( 1-2)

## FRONT FORK DAMPER

REF.NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
	51103-20F20	DAMPER ASSY. FRONT FORK RH	1	SV650X/Y
	51104-20F20	DAMPER ASSY. FRONT FORK LH	1	SV650X/Y
1	51130-20F00	TUBE, OUTER RH	1	
2	51140-20F00	TUBE, OUTER LH	1	
3	51167-26E10	METAL SLIDE	2	
4	51158-05A00	WASHER	2	
5	51153-14F00	SEAL OIL	2	
6	51156-49440	CIRCLIP	2	
7	51173-14F00	SEAL DUST	2	
8	51195-33D10	PIECE, OIL LOCK	2	
9	51147-16510	BOLT	2	
10	51148-41310	WASHER	2	
11	51110-20F00	TUBE, INNER	2	
12	51121-33D10	PISTON	2	
13	51146-20F20	CYLINDER	2	SV650X/Y
14	51177-06C00	SPRING	2	
15	51196-33D10	RING, PISTON	2	
16	51171-19F	SPRING, FRONT	2	
17	51356-10DC	WASHER	2	
18-1	51176-20F20	SPACER, SPRING	2	SV650X/Y
19	51351-33D00	CAP	2	
20	09280-32001	O RING	2	
21	01550-08457	BOLT, RH	2	

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FIG.51

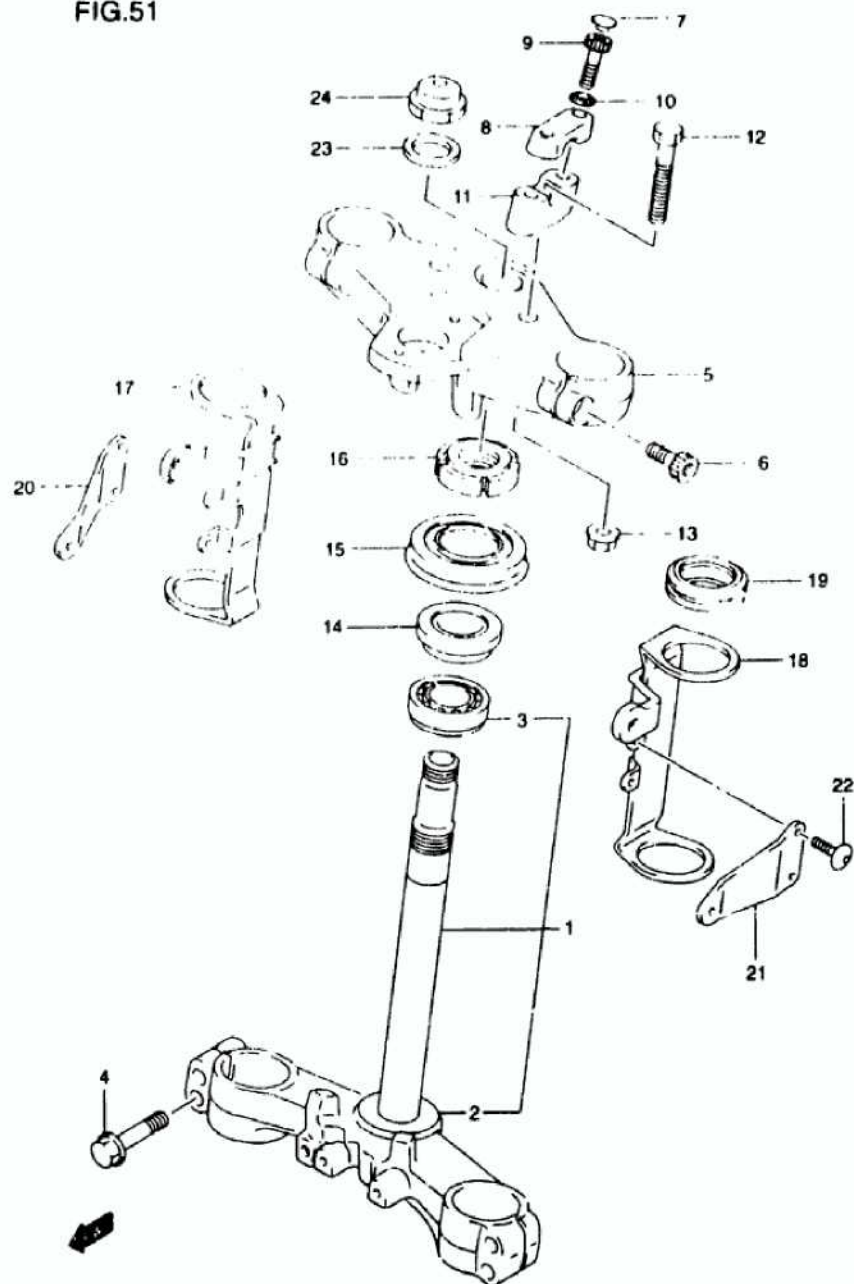


FIG 51 ( 1-3)

STEERING STEM (SV650/77)

REF.NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	51410-19F10	STEM, STEERING	1	
2	51644-12C00	SEAL, STEERING LOWER	1	
3	09267-30010	BEARING (30X55X17)	1	
4	01550-08407	BOLT	4	
5	51311-19F10	HEAD, STEERING STEM	1	
6	51328-03FA0	BOLT	2	
7	09250-06011	CAP	4	
8	56211-45C50	HOLDER, HANDLE UPPER	2	
9	07130-08307	BOLT	4	
10	09164-08015	WASHER	4	
11	56221-03FA0	HOLDER, HANDLE LOWER	2	
12	51321-03FA0	BOLT	2	
13	08219-31107	NUT	2	
14	09257-25009	BEARING (25X47X15)	1	
15	09285-34006	OIL SEAL (14X60X11.5)	1	
16	51631-28000	NUT, STEERING STEM	1	
17	51530-19F00	BRACKET, HEADLAMP HOUSING RH	1	
18	51540-19F00	BRACKET, HEADLAMP HOUSING LH	1	
19	51553-38C00	DAMPER, HEADLAMP HOUSING BRKT	4	
20	51851-19F00	STAY, HEADLAMP HOUSING RH	1	
21	51861-19F00	STAY, HEADLAMP HOUSING LH	1	
22	09139-06027	SCREW (6X12)	4	
23	51356-10D03	WASHER	1	
24	51353-28A10	NUT	1	

REFER TO FIG 51A(i-4); FOR SV650SX/SY E28

FIG.51A

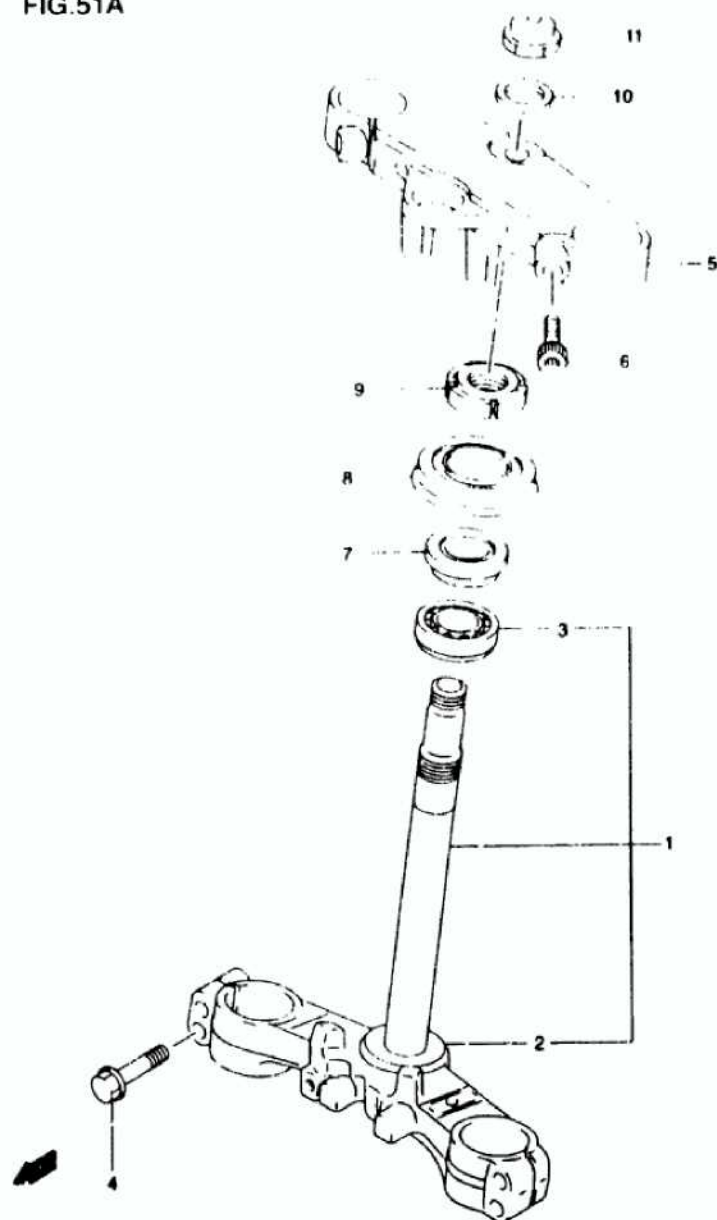


FIG 51A( 1-4)

STEERING STEM (SV650SX/SY E28) CANADA ONLY

REF.NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	51410-19F00	STEM STEERING	1	
2	51644-12C00	SEAL STEERING LOWER	1	
3	09267-30010	BEARING (30X55X17)	1	
4	01550-08407	BOLT	4	
5	51311-19F00	HEAD STEERING STEM	1	
6	51328-03FA0	BOLT	2	
7	09267-25009	BEARING (25X47X15)	1	
8	09285-34009	OIL SEAL (34X69X11 1/2)	1	
9	51631-79000	NUT STEERING STEM	1	
10	51356-10D03	WASHER	1	
11	51353-25A10	NUT	1	

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AIR CLEANER..... C-08    CRANKCASE COVER.... B-07    FRONT BRAKE HOSE... I-07    GEAR SHIFTING..... D-12    OPTIONAL..... J-07    REAR WHEEL..... J-04    TRANSMISSION..... D-10  
 BATTERY..... E-04    CRANKCASE..... B-05    FRONT CALIPER..... I-04    HANDLE BAR..... H-02    RADIATOR HOSE..... D-07    SEAT TAIL COVER.... H-11    TURN SIGNAL LAMP.... F-04

This diagram illustrates the exploded view of a motorcycle wheel assembly. The central component is the wheel (1), which includes a tire (10) and a rim. Surrounding the wheel are various components, each labeled with a number: 2 (a bolt), 3 (a nut), 4 (a washer), 5 (a bolt), 6 (a nut), 7 (a washer), 8 (a hub), 9 (a bolt), 11 (a bolt), and 12 (a nut). The diagram shows the relative positions of these parts as they would be assembled onto the wheel.

FRONT WHEEL

REF.NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1.1	54111-03FAG-Y6G	WHEEL FRONT (17xMT3.50) (SILVER)	1	MODEL X
1.2	54111-03FA0-12R	WHEEL FRONT (17xMT3.50) (SILVER)	1	MODEL X
2	09180-17064	SPACER (17.5x22.5x71)	1	
3	0R134-6203"	BEARING RH	1	
4	0R134-6203"	BEARING LH	1	
5	54711-07F00	AXLE FRONT	1	
6	54740-32x70	SPACER FRONT AXLE RH	1	
7	54741-03FA0	SPACER FRONT AXLE RH	1	
8	59214-08F00	DISC FRONT BRAKE	2	
9	09146-08125	BOLT (R x L)	50	
10	55111-21F00	TIRE FRONT 17.5x22.5x71 METZLER	1	
11	4310-24A04	VALVE AIR WHEEL FRONT	1	
12.1	55411-00A00	BALANCER WHEEL FRONT	1-2	
12.2	55412-00A01	BALANCER WHEEL FRONT	1-2	

This exploded view diagram illustrates the assembly of a mechanical component, likely a pump or valve. The parts are numbered as follows:

- 1**: Main housing or body.
- 2**: Two circular flange or gasket components.
- 3**: A long, thin rod or pin.
- 4**: A small, complex mechanical part, possibly a valve or actuator.
- 5**: A threaded cap or plug.
- 6**: A long, thin rod or pin.
- 7**: A small, complex mechanical part, possibly a valve or actuator.
- 8**: A small, complex mechanical part, possibly a valve or actuator.
- 9**: A small, complex mechanical part, possibly a valve or actuator.
- 10**: A small, complex mechanical part, possibly a valve or actuator.
- 11**: A small, complex mechanical part, possibly a valve or actuator.
- 12**: A small, complex mechanical part, possibly a valve or actuator.
- 13**: A small, complex mechanical part, possibly a valve or actuator.

### FRONT CALIPER

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FIG.54

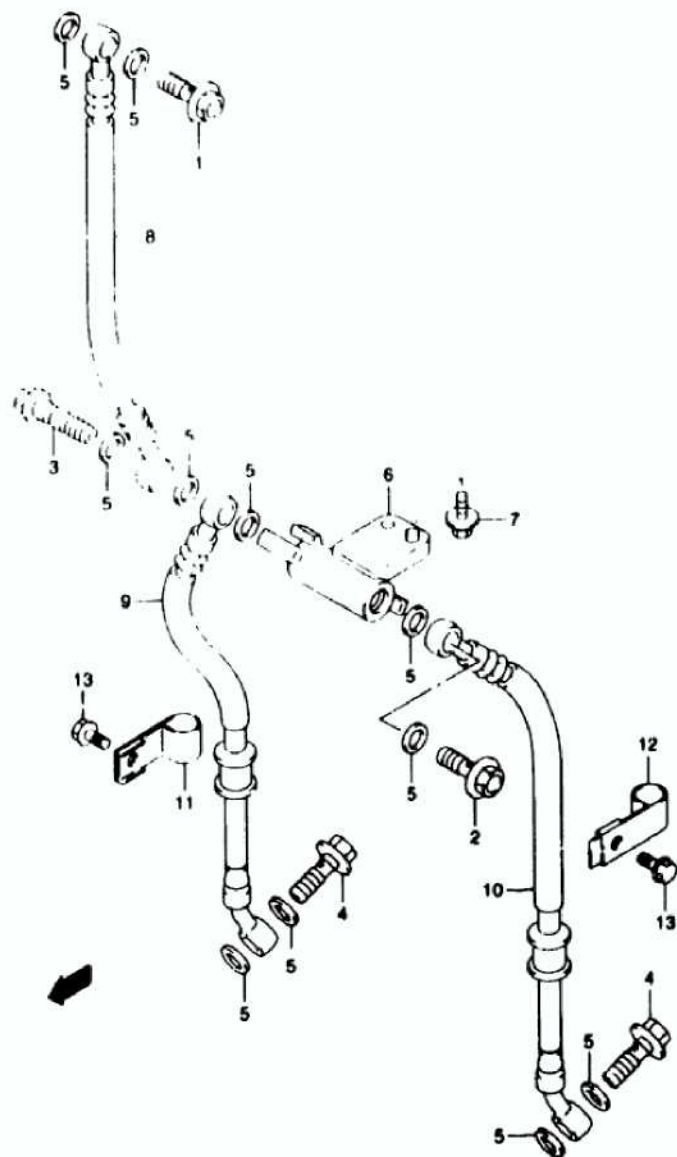


FIG 54 ( 1-7 )

## FRONT BRAKE HOSE

REF.NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	09360-10041	BOLT UPPER (10X1.00X22)	1	
2	09360-10041	BOLT JOINT (10X1.00X22)	1	
3	09360-10043	BOLT (10X1.00X36)	1	
4	09360-10042	BOLT LOWER (10X1.25X22)	2	
5	09161-10009	WASHER (10X15X1.5)	11	
6	59491-17E00	JOINT BRAKE HOSE	1	
7	01550-06163	BOLT	1	
8	59480-20F10	HOSE FRONT BRAKE NO.1	1	2,550x5
9	59240-20F00	HOSE FRONT BRAKE NO.2 RH	1	
10	59440-20F00	HOSE FRONT BRAKE NO.2 LH	1	
11	59268-45D00	CLAMP BRAKE HOSE NO.2 RH	1	
12	59269-20F00	CLAMP BRAKE HOSE NO.2 LH	1	
13	01550-06123	BOLT	2	

FIG.55

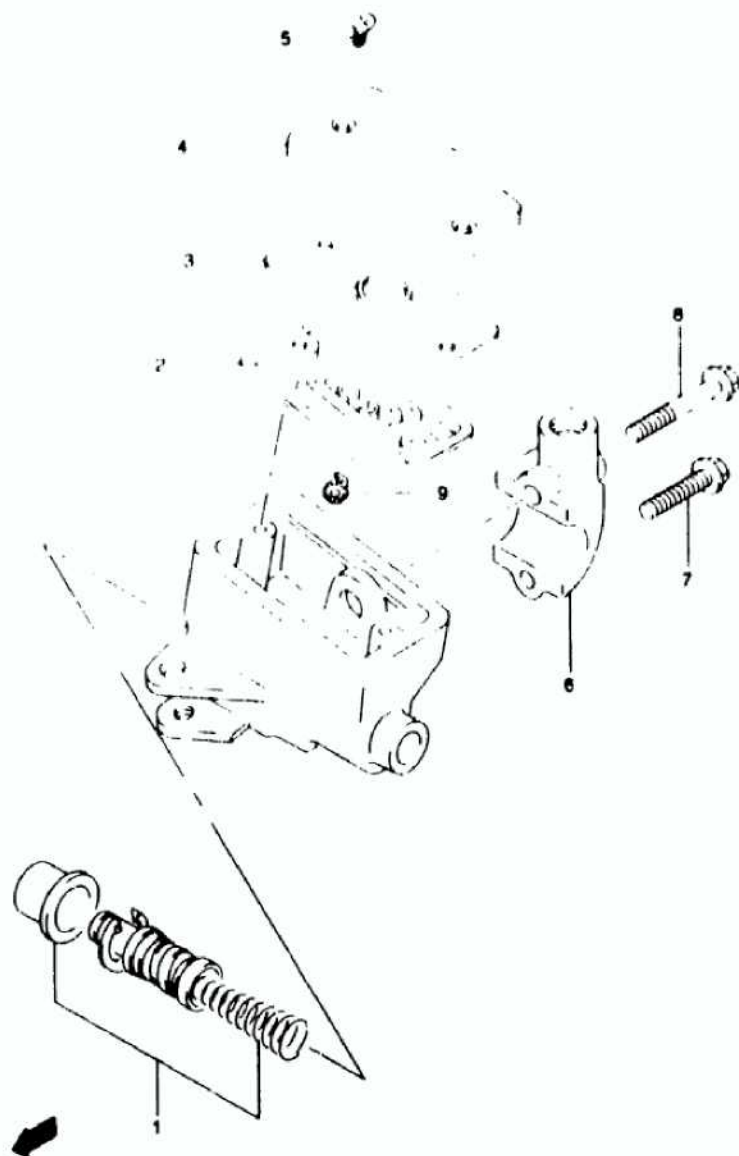


FIG 55 ( 1-8)

FRONT MASTER CYLINDER (SV650X/Y)

REF.NO.	PART NO.	DESCRIPTION	Q'TY	REMARK
	59600-20C20	CYLINDER ASSY. FRONT MASTER	1	
1	59600-45860	PISTON/CUP SET	1	
2	J9667-49460	DIAPHRAGM	1	
3	59668-41C00	PLATE DIAPHRAGM	1	
4	59669-41C00	CAP	1	
5	69689-49300	SCREW	2	
6	59671-44300	HOLDER	1	
7	59675-19C00	BOLT HOLDER (6X25)	1	
8	59675-19C10	BOLT HOLDER (6X38)	1	
9	59664-48B00	PROTECTOR	1	

REFER TO FIG 55A(1-9) FOR QTY/ASSEMBLY E28

FIG.55A

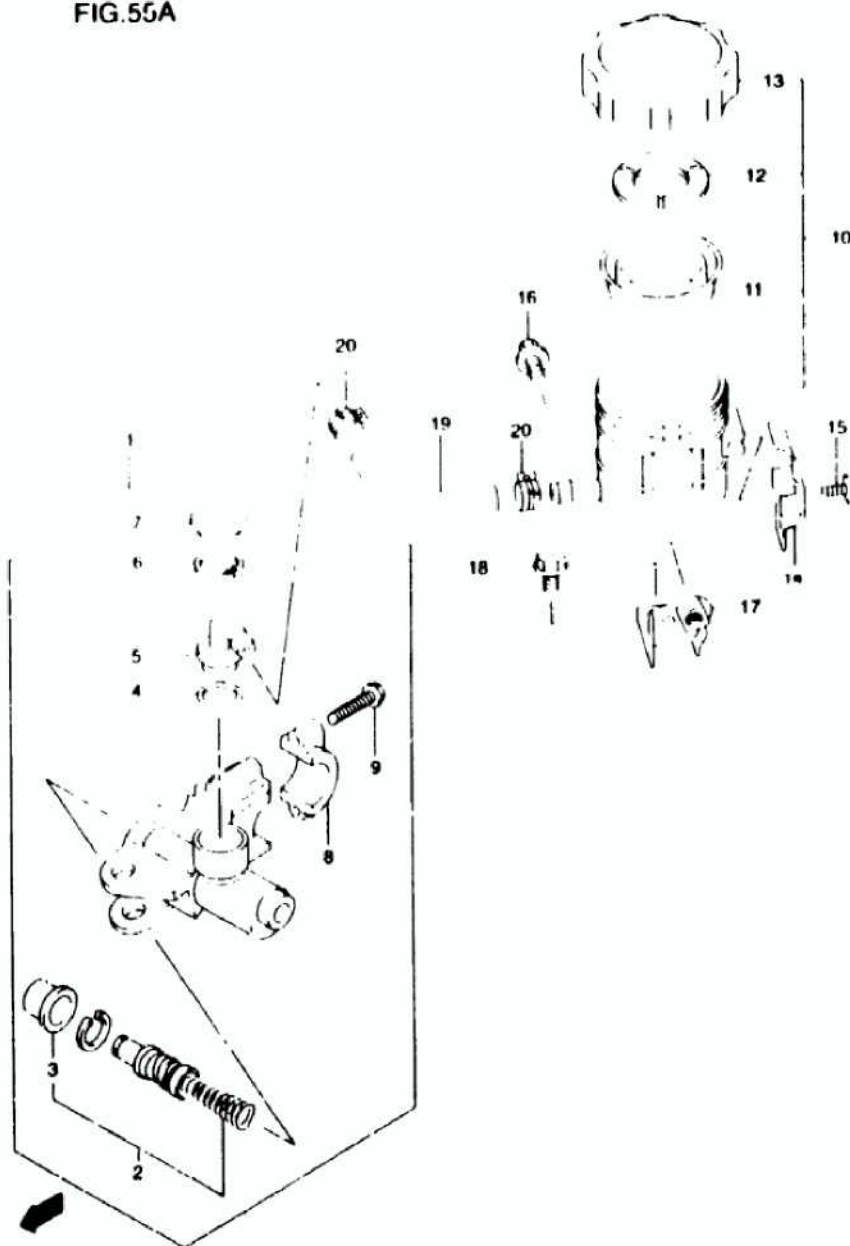


FIG 55A( 1-9)

FRONT MASTER CYLINDER (SV650SX/SY E28) CANADA ONLY

REF.NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	59600-32C01	CYLINDER ASSY FRONT MASTER	1	
2	59600-45860	PISTON/CUP SET	1	
3	59666-44300	BOOT	1	
4	69686-34200	O RING	1	
5	59672-17C00	CONNECTOR	1	
6	59674-14B20	CIRCLIP	1	
7	59673-17C00	COVER DUST	1	
8	59671-36500	HOLDER (BLACK)	1	
9	59675-19C00	BOLT HOLDER (5x25)	2	
10	59740-07D00	TANK ASSY RESERVOIR	1	
11	59667-18441	DIAPHRAGM	1	
12	59668-18441	PLATE DIAPHRAGM	1	
13	59669-07D00	CAP	1	
14	59741-17C00	PLATE RESERVOIR TANK ASSY	1	
15	02142-04103	SCREW	1	
16	01550-06123	BOLT	1	
17	59750-33E01	BRACKET RESERVOIR TANK FRONT	1	
18	01550-06123	BOLT	1	
19	59731-32C00	HOSE FRONT RESERVOIR TANK	1	
20	59735-17C00	CLAMP RESERVOIR TANK	2	

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AIR CLEANER..... C-08    CRANKCASE COVER..... B-07    FRONT BRAKE HOSE..... I-07    GEAR SHIFTING..... D-12    OPTIONAL..... J-07    REAR WHEEL..... J-04    TRANSMISSION..... D-10  
 BATTERY..... E-04    CRANKCASE..... B-05    FRONT CALIPLR..... I-06    HANDLE BAR..... H-02    RADIATOR HOSE..... D-07    SEAT TAIL COVER..... H-11    TURN SIGNAL LAMP..... F-06

FIG.56

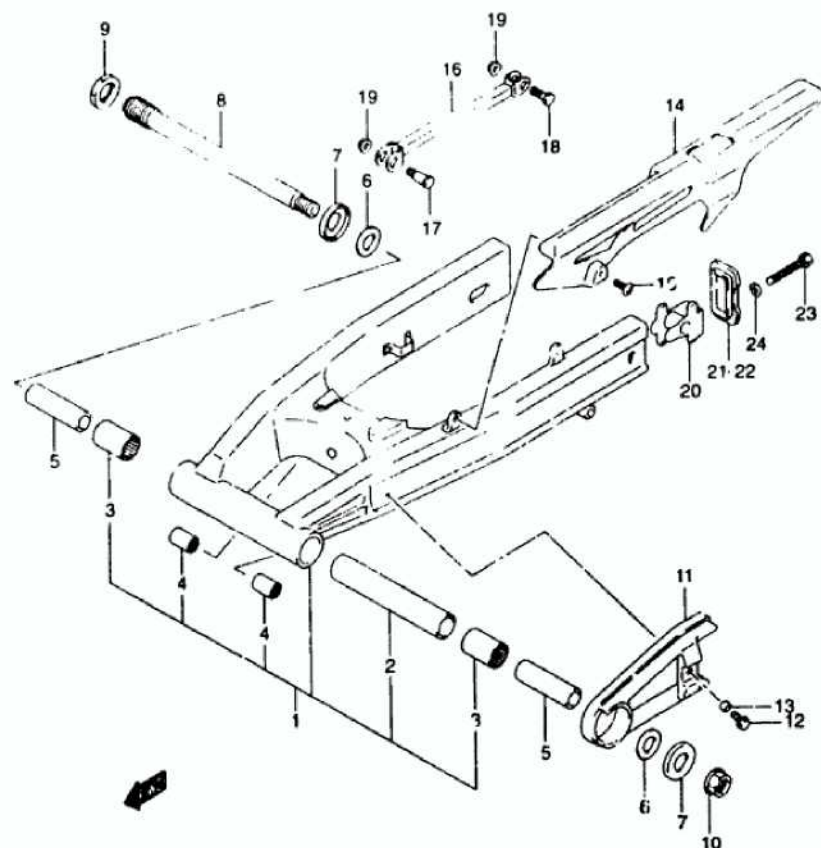


FIG.56 ( J-2)

REAR SWINGING ARM

R' F.NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	61000-19F11	SWINGING ARM ASSY. REAR	1	SV650X/Y
2	61281-19F00	SPACER, PIVOT CENTER	1	
3	09263-25024	BEARING, PIVOT (25X33X30)	2	
4	09263-20071	BEARING, ROD (20X27X23 5)	2	
5	61251-21E00	SPACER, PIVOT	2	
6	08211-20381	THRUST WASHER	2	
7	61262-17C00	DUST SEAL, PIVOT	2	
8	61211-19F00	SHAFT, PIVOT	1	
9	61214-19F00	NUT, PIVOT BOLT	1	
10	08319-31188	NUT	1	
11	61273-19F00	BUFFER, CHAIN TUCH DEF.	1	
12	09116-05152	BOLT (5X20)	1	
13	09180-06283	SPACER (5 X10X7)	1	
14	61310-19F00	CASE, CHAIN	1	
15	09139-06083	SCREW (5X16)	2	
16	64310-19F00	TORQUE LINK, REAR	1	
17	09111-10051	BOLT, FRONT (10X39)	1	
18	09100-10187	BOLT, REAR (10X34)	1	
19	08319-31107	NUT	2	
20	61410-33D00	ADJUSTER, CHAIN	2	
21	61421-33D01	PLATE, ADJUSTER GUIDE RH	1	
22	61422-33D01	PLATE, ADJUSTER GUIDE LH	1	
23	09106-08119	BOLT (8X50)	2	
24	09164-08015	WASHER	2	

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J2



FIG.57

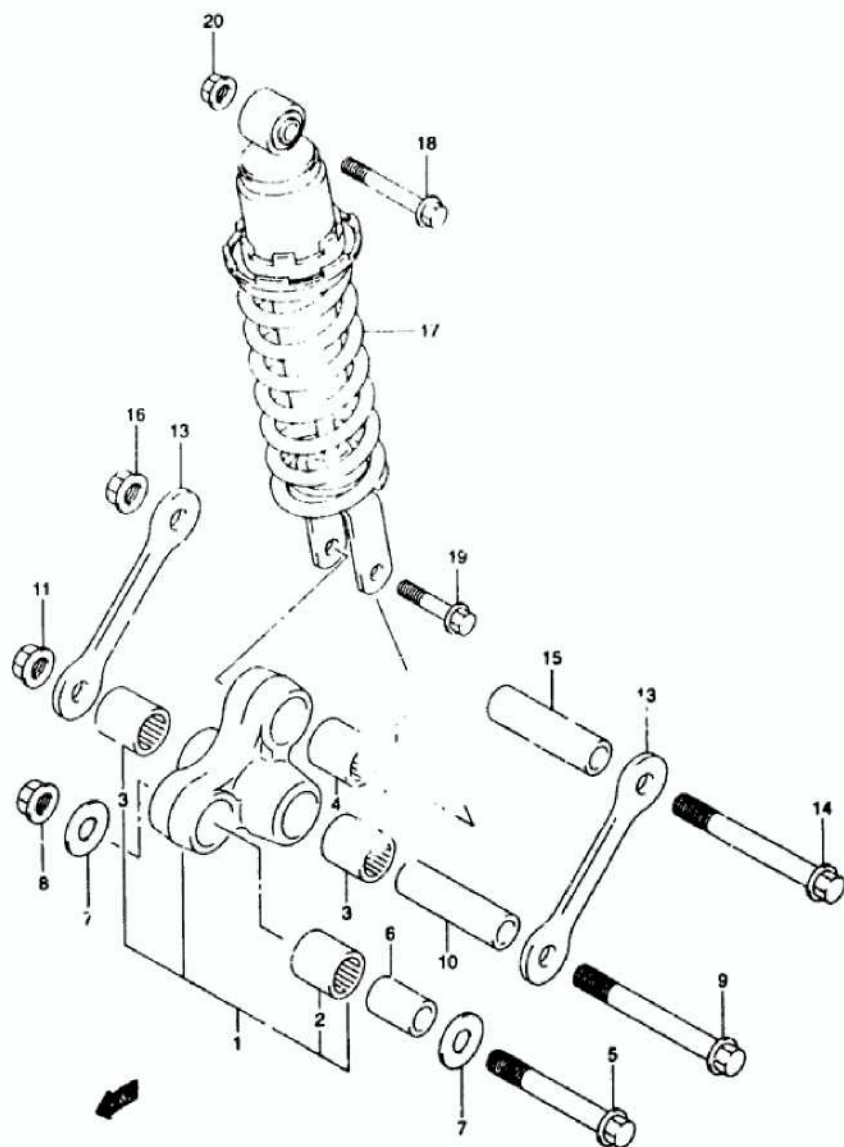


FIG.57 ( J-3)

REAR CUSHION LEVER

REF.NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	62600-19880	LEVER SET, REAR CUSHION	1	
2	09263-20073	BEARING, FRONT (20X27X30)	1	
3	09263-20071	BEARING, CENTER (20X27X23.5)	2	
4	09263-1703	BEARING, REAR (17X24X26)	1	
5	52658-19F00	BOLT, FRONT (12X78)	1	
6	62684-12C00	SPACER, FRONT (12X20X32)	1	
7	09160-12037	WASHER	2	
8	08319-31128	NUT	1	
9	09103-12034	BOLT, CENTER (12X96)	1	
10	62626-19F00	SPACER, CENTER (12X20X68)	1	
11	08319-31128	NUT	1	
12	62684-40A10	SPACER, REAR (10X17X30)	1	
13	62641-20F00	ROD, REAR CUSHION	2	
14	09103-12034	BOLT, ROD (12X96)	1	
15	62626-19F00	SPACER, ROD (12X20X58)	1	
16	08319-31128	NUT	1	
17	62100-20F10-163	ABSORBER ASSY, REAR SHOCK (YELLOW)	1	SV650X/Y
18	09103-10033	BOLT, UPPER (10X70)	1	
19	09103-10126	BOLT, LOWER (10X48)	1	
20	08319-31107	NUT	1	

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J3

FIG.58

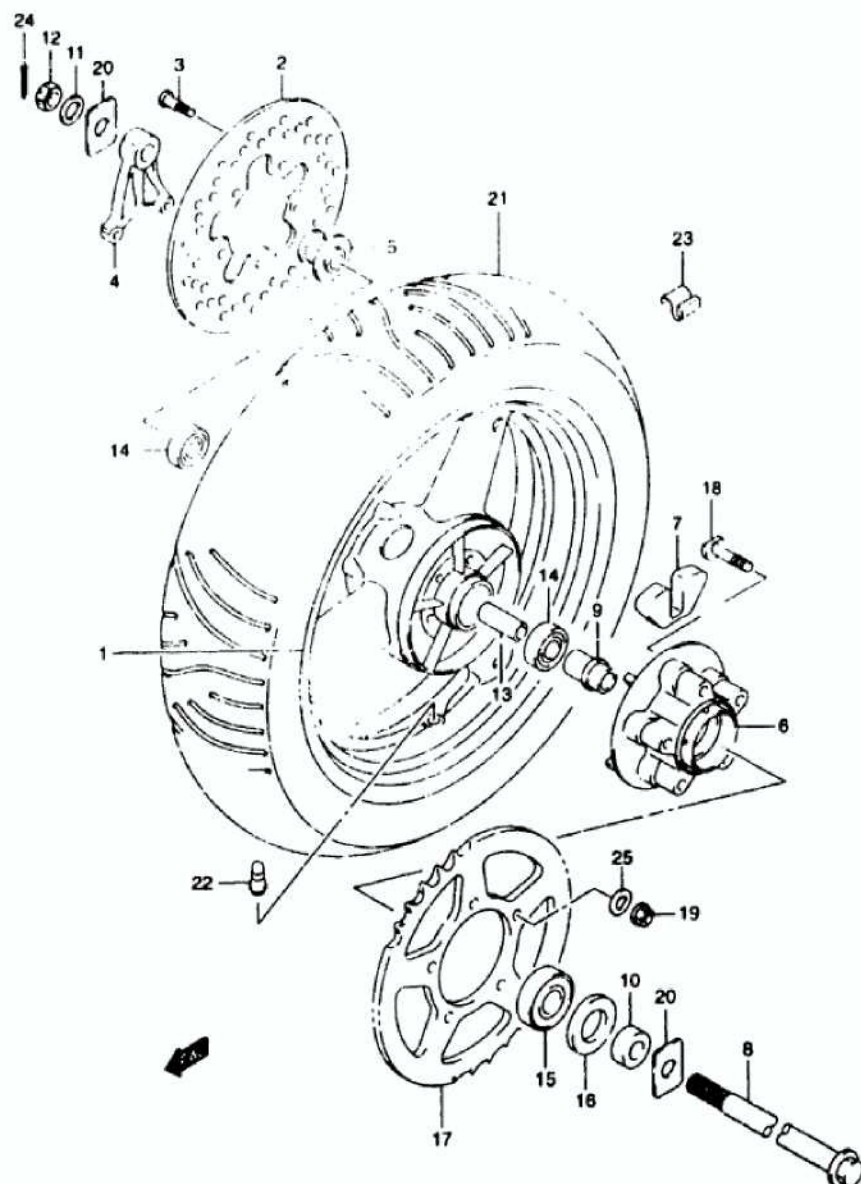


FIG 58 ( J-4)

## REAR WHEEL

Q'TY

REF.NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1-1	64111-08F00-Y6G	WHEEL REAR (17XMT4 50) (SILVER)	1	MODEL X
1-2	64111-08F00-12R	WHEEL REAR (17XMT4 50) (SILVER)	1	MODEL Y
2	69211-21E00	DISC REAR BRAKE	1	
3	09106-08125	BOLT (8X33)	5	
4	69721-33D00	BRACKET REAR CALIPER	1	
5	64740-19C00	SPACER, REAR AXLE RH	1	
6	64611-19F00	DRUM SPROCKET MOUNTING	1	
7	64651-27A01	ABSORBER SHOCK REAR HUB	5	
8	64711-19F10	AXLE REAR	1	
9	64733-34C00	RETAINER REAR SPROCKET DRUM	1	
10	64741-45D00	SPACER REAR AXLE LH	1	
11	09160-17050	WASHER	1	
12	09141-16007	NUT	1	
13	09180-17067	SPACER (17.5X25X88)	1	
14	08143-63037	BEARING	2	
15	09262-25073	BEARING (25X62X17)	1	
16	09285-35001	OIL SEAL (35X62X8)	1	
17	64511-32C00	SPROCKET, REAR (NT 45-525)	1	SV550X/Y
18	09119-10043	BOLT (10X47)	5	
19	08319-31107	NUT	5	
20	64712-33D00	WASHER, CHAIN ADJUSTER	2	
21	55110-20F00	TIRE, REAR, 160/60 ZR17(69W) (METZELER)	1	
22	43130-24A00	VALVE ASSY, WHEEL RIM (TR412)	1	
23-1	55411-00A00	BALANCER, WHEEL (10G)	0-3	
23-2	35412-09A01	BALANCER, WHEEL (20G)	0-3	
24	04111-40308	PIN, COTTER	1	
25	09160-10506	WASHER	5	

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J4

FIG.59

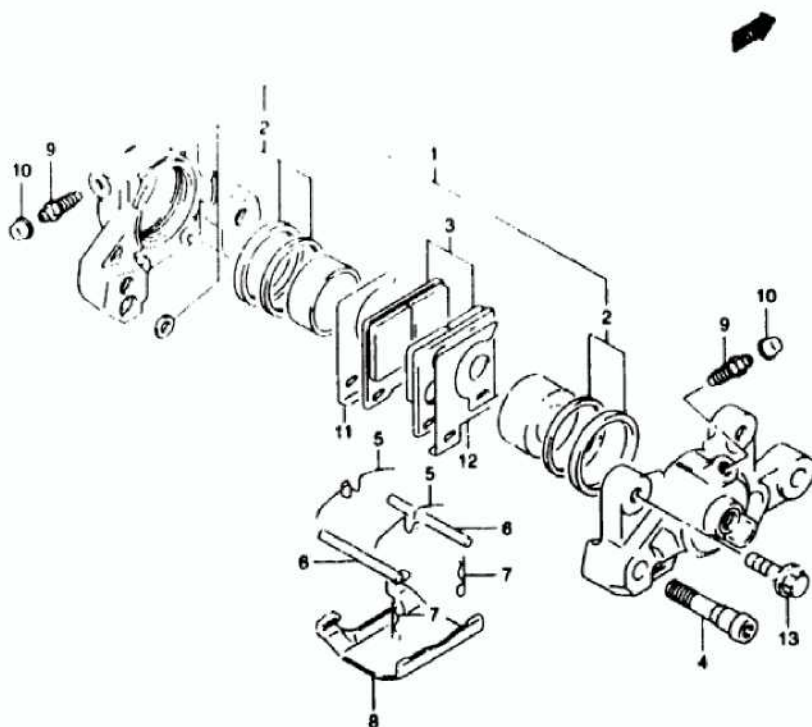


FIG.59 ( J-5)

## REAR CALIPER

REF.NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
	69100-05CD0	CALIPER ASSY. REAR	1	
1	69100-0585G	PISTON SET	1	
2	69100-32820	SEAL SET PISTON	1	
3	69100-21820	PAD SET	1	
4	59145-05C50	BOLT	2	
5	59143-16700	SPRING	2	
6	69141-45000	PIN	2	
7	69142-45000	CLIP	2	
8	59151-16701	COVER	1	
9	59121-18410	BLEEDER	2	
10	55156-66310	CAP	2	
11	59171-20C00	SHIM INNER	1	
12	59181-20C00	SHIM OUTER	1	
13	01561-08303	BOLT	2	

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J5

AIR CLEANER..... C-08	CRANKCASE COVER... B-07	FRONT BRAKE HOSE... I-07	GEAR SHIFTING..... D-12	OPTIONAL..... J-07	REAR WHEEL..... J-04	TRANSMISSION..... D-10
BATTERY..... E-04	CRANKCASE..... B-05	FRONT CALIPER..... I-04	HANDLE BAR..... H-02	RADIATOR HOSE..... D-07	SEAT TAIL COVER... H-11	TURN SIGNAL LAMP... F-06
CAM CHAIN..... C-04	CRANKSHAFT..... B-08	FRONT CYLINDER HEAD B-02	HANDLE LEVER..... H-04	RADIATOR..... D-04	SEAT..... H-10	WARNING LABEL..... H-09
CAM SHAFT / VALVE... C-03	CYLINDER..... B-04	FRONT FENDER..... G-11	HANDLE SWITCH..... F-11	REAR CALIPER..... J-05	SPEEDOMETER..... F-02	WATER PUMP..... D-04
CARBURETOR FITTING... F-07	ELECTRICAL..... F-08	FRONT FORD PAMPER... I-03	MEAN AMP. MOUNTING... G-10	REAR CUSHION LEVER... J-03	STAND..... G-03	WIRING HARNESS..... F-09

FIG.61

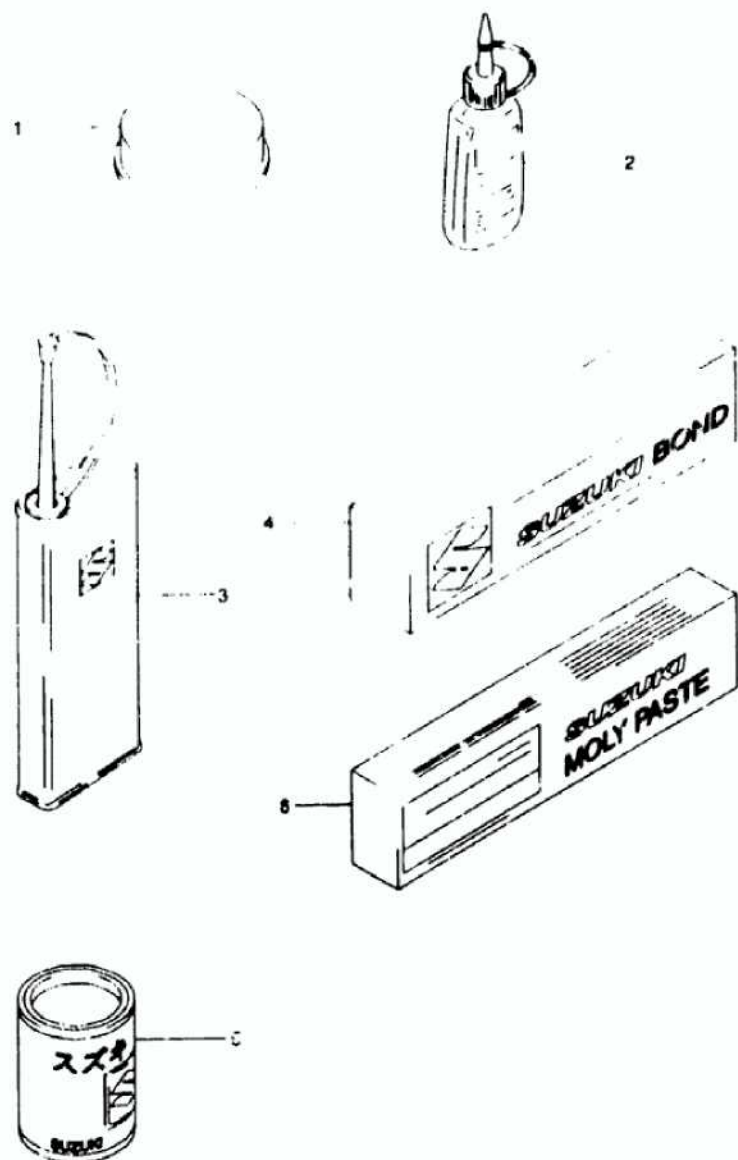


FIG 61 ( J-7)

OPTIONAL

REF.NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	99000-25110	SUZUKI PBC GREASE	1	200G
2-1	99104-32020	THREAD LOCK SUPER (1361A)	1	50G
2-2	99104-32030	THREAD LOCK SUPER (1363A)	1	50G
2-3	99000-32050	THREAD LOCK SUPER (1342)	1	50G
2-4	99000-32100	THREAD LOCK SUPER (1305)	1	50G
2-5	99000-32130	THREAD LOCK SUPER (1360)	1	50G
3	99000-32040	THREAD LOCK CEMENT	1	200G
4-1	99000-31140	SUZUKI BOND (1207B) BLACK	1	100G
4-2	99000-31110	SUZUKI BOND (1215)	1	100G
5	99000-25030	SUZUKI SUPER GREASE	1	100G
6	99000-25140	SUZUKI MOLY PASTE	1	100G

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AIR CLEANER..... C-08	CRANKCASE COVER.... B-07	FRONT BRAKE HOSE... I-07	GEAR SHIFTING..... D-12	OPTIONAL..... J-07	REAR WHEEL..... J-04	TRANSMISSION..... D-10
BATTERY..... E-04	CRANKCASE..... B-05	FRONT CALIPER..... I-04	HANDLE BAR..... H-02	RADIATOR HOSE..... D-07	SEAT TAIL COVER.... H-11	TURN SIGNAL LAMP.... F-06