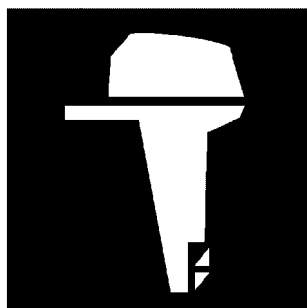




PARTS CATALOGUE

XF425-2019 (6GR2)



1T6GR-100EA

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XF425
PARTS CATALOGUE
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FOREWORD

This Parts Catalogue is related to the parts for the model(s) on the cover page. When you are ordering replacement parts, please refer to this Parts Catalogue and quote both part numbers and part names correctly.

1. Modifications or additions which have been made after the issue of the Parts Catalogue will be announced in the Parts News.
It is advisable that you make the necessary corrections to the Parts Catalogue according to the Parts News.

2. Abbreviations

The following abbreviations are used in this Parts Catalogue.

“UR” Use specified parts number.

“UN” Use as many as needed.

“AP” Alternate Parts

“LM” Locally Made (Parts need to be ordered locally)

“F#” Frame No. (Applicable machine No.)

“O/S” Over Size

3. The number of components for assembly

- Parts, which are to be supplied in an assembly, are listed with a dot (.) in front of the part name as shown below.
- The numeral appearing to the right of each component part indicates the quantity of parts for each assembly unit.

PART NO.	DESCRIPTION	Q'TY	REMARKS
2F5-83310-60	FRONT FLASHER LIGHT ASSY	2	
115-83311-60	.BULB (6V-18W)	1	

4. Applicable colours of graphics are represented in the “REMARKS” as shown below.

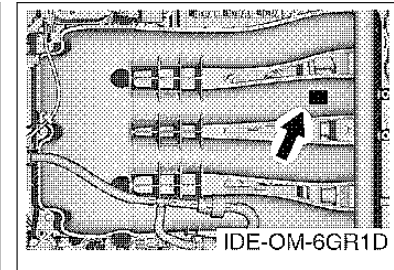
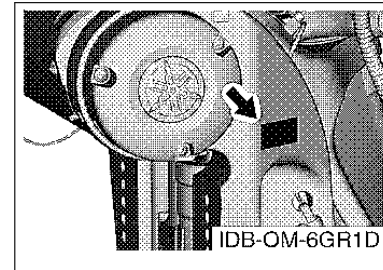
PART NO.	DESCRIPTION	Q'TY	REMARKS
2N4-24110-00-X5	FUEL TANK COMP.	2	MXR
3J1-24240-10	.GRAPHIC, FUEL TANK	1	FOR MXR

5. Note that the illustrations for reference in finding parts numbers are not to be used for assembling. When assembling, please use the applicable service manual.

6. The asterisk (*) before a reference number indicates modified items after the first edition.

7. Applicable Serial No.

Engine Serial No.



8. Applicable Engine Starting Serial No.

Model	Serial No.	Model	Serial No.
XF425	6GR-1001695		

9. Applicable Colour Code

Abbreviation	Colour Name	Colour Code
DBN1	DARK BLUISH GRAY 1	008D

10. Quantity Column Information

Column No.	Name Of Q'ty Column	Applicable Model
1	NSA	XF425NSA
2	NSA2	XF425NSA2
3	NSA7	XF425NSA7

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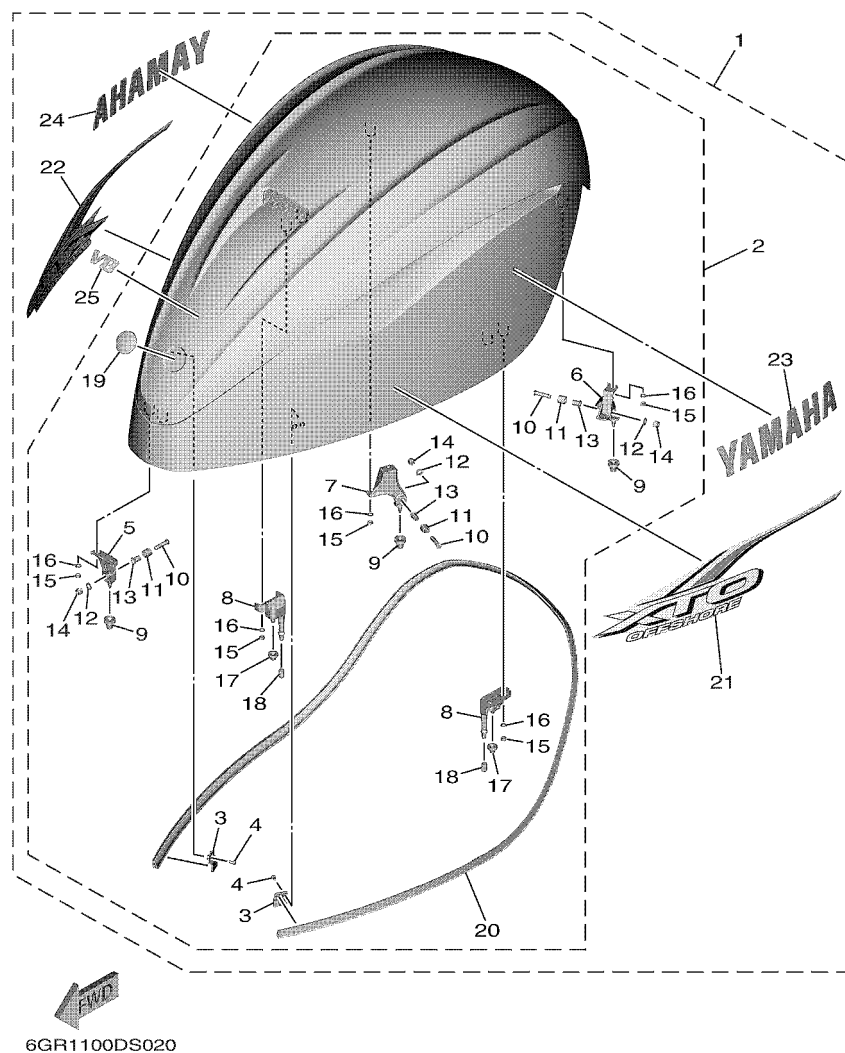


FIG. 2 TOP COWLING 1

REF. NO.	PART NO.	DESCRIPTION	NSA	NSA2	NSA7	REMARKS
1	6GR-42610-01-8D	TOP COWLING ASSY	1			GRAY
	6GR-42610-01-CE	TOP COWLING ASSY		1		WHITE
2	6GR-4261A-01-8D	.TOP COWLING W/O GRAPHICS	1			GRAY
	6GR-4261A-01-CE	.TOP COWLING W/O GRAPHICS		1		WHITE
3	6GR-42477-00	..PLATE, LOCK	2	2		
4	97985-05210	..SCREW, WITH WASHER	4	4		
5	6GR-42647-00	..HOLDER, CLAMP BAND	1	1		
6	6GR-42648-00	..HOLDER, CLAMP BAND	1	1		
7	6GR-42649-00	..HOLDER, CLAMP BAND	1	1		
8	6GR-42643-00	..PLATE, CLAMP	2	2		
9	6AW-42663-00	..DAMPER 2	3	3		
10	90111-08078	..BOLT,HEX. SOCKET BUTTON	3	3		
11	90387-10094	..COLLAR	3	3		
12	92990-08600	..WASHER, PLATE	3	3		
13	90387-08M45	..COLLAR	3	3		
14	95780-08300	..NUT, FLANGE	3	3		
15	95380-06600	..NUT, HEXAGON	10	10		
16	92990-06100	..WASHER, SPRING	10	10		
17	663-42662-00	..DAMPER	2	2		
18	67F-13448-00	..CAP	2	2		
19	F2S-6411H-00	..EMBLEM, TUNING FORK	1	1		
20	6GR-42629-00	..SEAL	1	1		
21	6GR-42675-00	..GRAPHIC, SIDE 1	1	1		
22	6GR-42676-00	..GRAPHIC, SIDE 2	1	1		
23	6GR-2153A-00	..EMBLEM, YAMAHA	1	1		
24	6GR-2153B-00	..EMBLEM, YAMAHA	1	1		
25	6GR-42677-00	..GRAPHIC, FRONT	1	1		

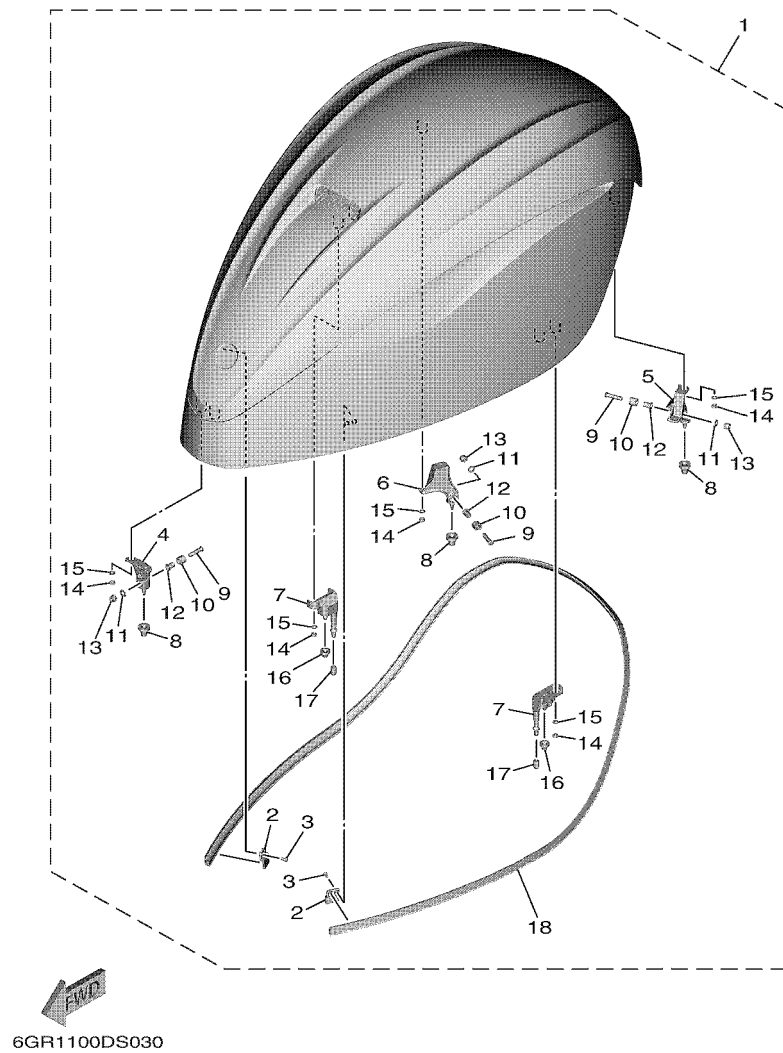


FIG. 3 TOP COWLING 2

REF. NO.	PART NO.	DESCRIPTION	NSA	NSA2	NSA7		REMARKS
1	6GR-42610-11	TOP COWLING ASSY			1		
2	6GR-42477-00	.PLATE, LOCK			2		
3	97985-05210	.SCREW, WITH WASHER			4		
4	6GR-42647-00	.HOLDER, CLAMP BAND			1		
5	6GR-42648-00	.HOLDER, CLAMP BAND			1		
6	6GR-42649-00	.HOLDER, CLAMP BAND			1		
7	6GR-42643-00	.PLATE, CLAMP			2		
8	6AW-42663-00	.DAMPER 2			3		
9	90111-08078	.BOLT, HEX. SOCKET BUTTON			3		
10	90387-10094	.COLLAR			3		
11	92990-08600	.WASHER, PLATE			3		
12	90387-08M45	.COLLAR			3		
13	95780-08300	.NUT, FLANGE			3		
14	95380-06600	.NUT, HEXAGON			10		
15	92990-06100	.WASHER, SPRING			10		
16	663-42662-00	.DAMPER			2		
17	67F-13448-00	.CAP			2		
18	6GR-42629-00	.SEAL			1		

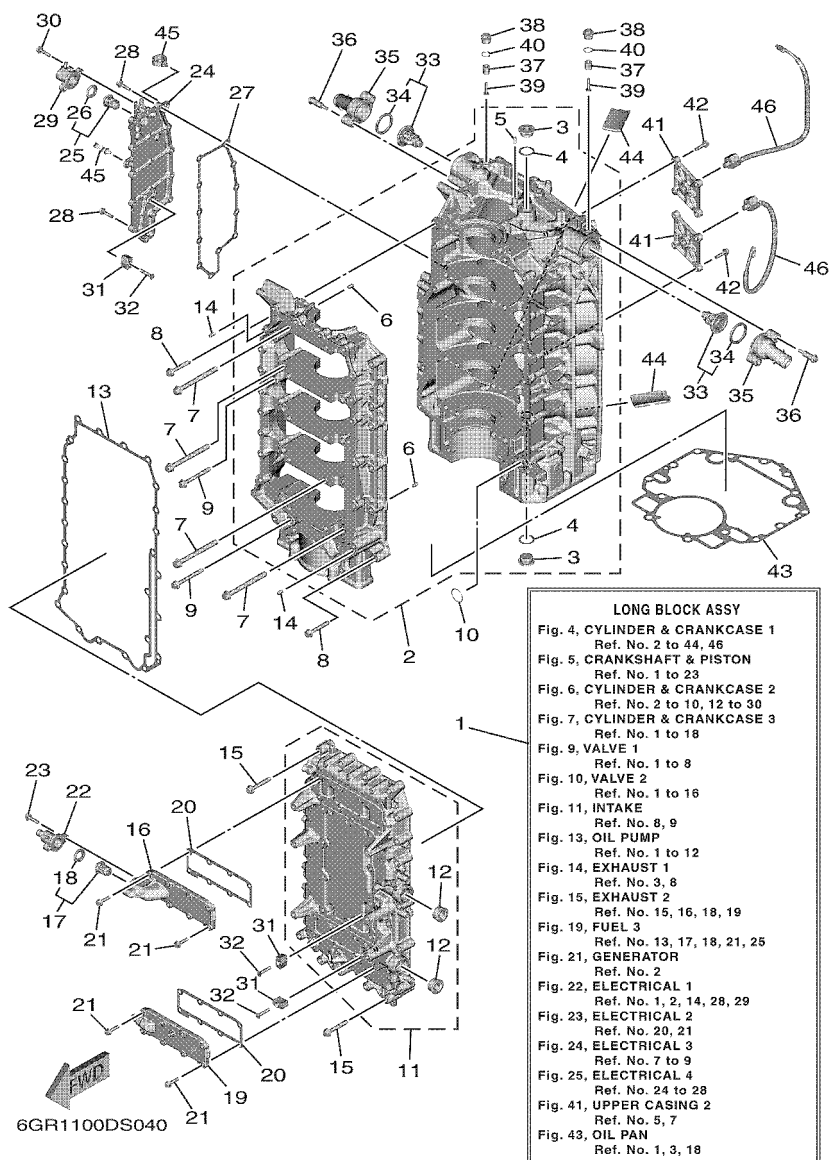


FIG. 4 CYLINDER & CRANKCASE 1

REF. NO.	PART NO.	DESCRIPTION	NSA	NSA2	NSA7	REMARKS
1	6GR-11000-01	LONG BLOCK ASSY	1	1	1	
2	6GR-15109-00-9S	CRANKCASE ASSY	1	1	1	
3	90340-24001	.PLUG, STRAIGHT SCREW	2	2	2	
4	90430-24239	.GASKET	2	2	2	
5	93606-12019	.PIN, DOWEL	1	1	1	
6	93606-12019	.PIN, DOWEL	10	10	10	
7	6P2-15187-00	BOLT	20	20	20	
8	90105-08175	BOLT, FLANGE	10	10	10	
9	90105-08220	BOLT, FLANGE	6	6	6	
10	93210-26658	O-RING	1	1	1	
11	6GR-15411-00-9S	COVER, CRANKCASE 1	1	1	1	
12	90340-27001	.PLUG, STRAIGHT SCREW	2	2	2	
13	6GR-15451-00	GASKET, CRANKCASE COVER 1	1	1	1	
14	93606-12019	PIN, DOWEL	2	2	2	
15	90105-08175	BOLT, FLANGE	26	26	26	
16	6GR-15414-00-9S	COVER 1	1	1	1	
17	6H3-12411-20	THERMOSTAT	1	1	1	
18	6H3-12412-10	.SEAL, THERMOSTAT	1	1	1	
19	6GR-15423-00-9S	COVER 2	1	1	1	
20	6GR-1131B-00	GASKET, COVER	2	2	2	
21	90105-06037	BOLT, FLANGE	16	16	16	
22	6GR-12417-00-9S	HOUSING, THERMOSTAT	1	1	1	
23	90105-06037	BOLT, FLANGE	2	2	2	
24	6GR-15413-00-9S	COVER	1	1	1	
25	66M-12411-01	THERMOSTAT	1	1	1	
26	688-12412-00	.SEAL, THERMOSTAT	1	1	1	
27	6GR-15353-00	GASKET, DRAIN	1	1	1	

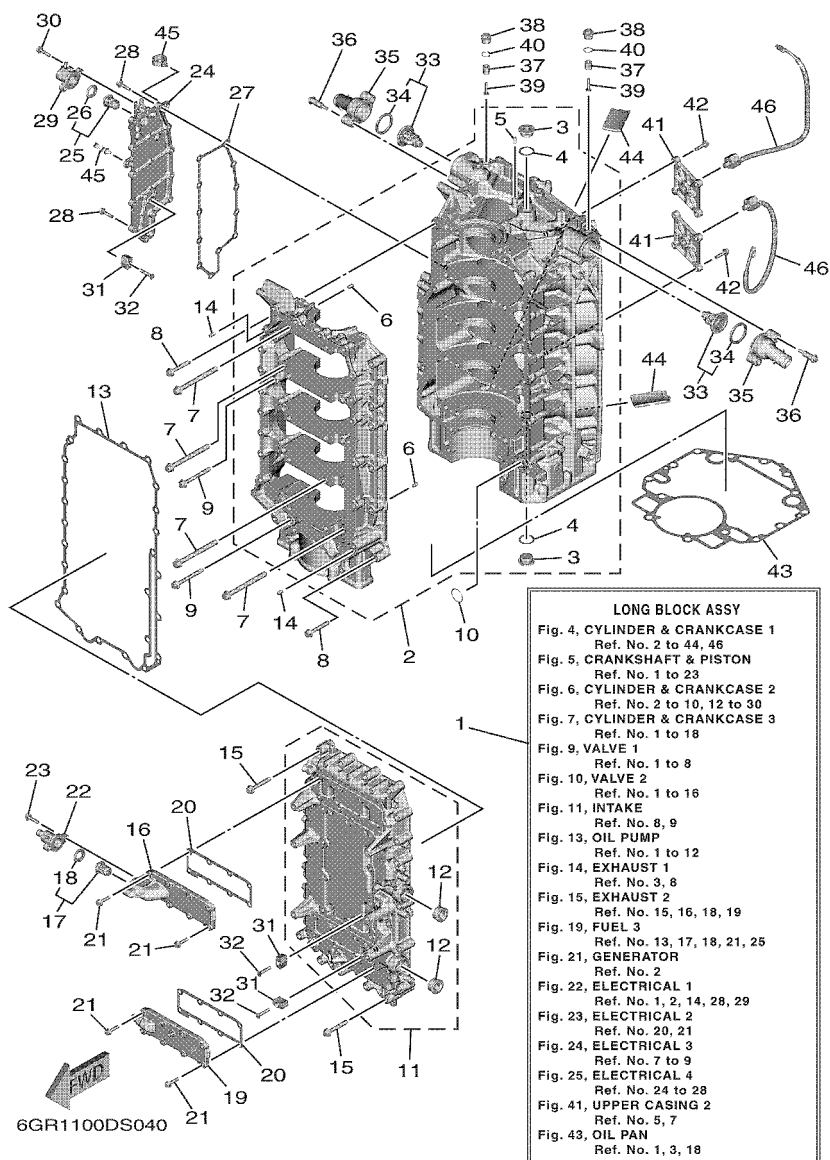


FIG. 4 CYLINDER & CRANKCASE 1

REF. NO.	PART NO.	DESCRIPTION	NSA	NSA2	NSA7	REMARKS
28	90105-06037	BOLT, FLANGE	12	12	12	
29	6GR-1241B-00-9S	COVER, THERMOSTAT 2	1	1	1	
30	90105-06037	BOLT, FLANGE	2	2	2	
31	6AW-1132P-00	ANODE 5	3	3	3	
32	90151-06069	SCREW, COUNTERSUNK	3	3	3	
33	6GR-12411-00	THERMOSTAT	2	2	2	
34	6GR-12412-00	.SEAL, THERMOSTAT	1	1	1	
35	6GR-12413-00	COVER, THERMOSTAT	2	2	2	
36	90109-06286	BOLT	4	4	4	
37	6G8-11325-00	ANODE	2	2	2	
38	6G8-11197-A0	PLUG, BLIND	2	2	2	
39	98980-05025	SCREW, BIND	2	2	2	
40	93210-13M63	O-RING	2	2	2	
41	6GR-1135A-00	BRACKET	2	2	2	
42	90105-06037	BOLT, FLANGE	8	8	8	
43	6GR-11351-00	GASKET, CYLINDER	1	1	1	
44	6GR-14664-00	GROMMET, WATER SHUT	2	2	2	
45	90464-20181	CLAMP	2	2	2	
46	6CJ-85780-00	SENSOR, KNOCK	2	2	2	

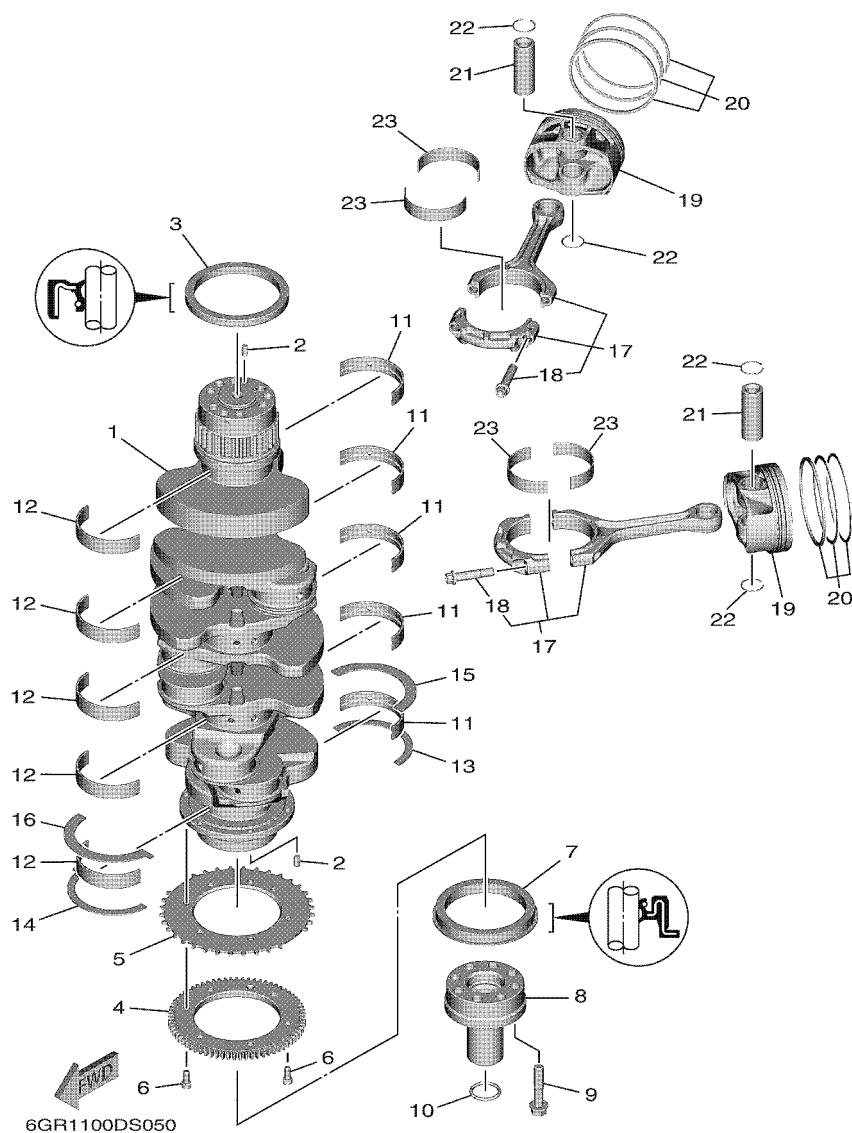
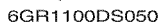


FIG. 5 CRANKSHAFT & PISTON

REF. NO.	PART NO.	DESCRIPTION	NSA	NSA2	NSA7	REMARKS
1	6GR-11411-01	CRANKSHAFT	1	1	1	
2	93606-12019	PIN, DOWEL	2	2	2	
3	93102-90004	OIL SEAL	1	1	1	
4	6GR-13188-00	GEAR, DRIVE	1	1	1	
5	6GR-81673-00	ROTOR	1	1	1	
6	91317-06014	BOLT, HEX. SOCKET HEAD	6	6	6	
7	93102-85010	OIL SEAL	1	1	1	
8	6GR-12199-00	FLANGE	1	1	1	
9	90105-10446	BOLT, FLANGE	8	8	8	
10	93210-260A5	O-RING	1	1	1	
11	6GR-11416-00	PLANE BEARING, CRANKSHAFT 1	5	5	5	UR BLACK
	6GR-11416-10	PLANE BEARING, CRANKSHAFT 1	5	5	5	UR BLUE
	6GR-11416-20	PLANE BEARING, CRANKSHAFT 1	5	5	5	UR PINK
	6GR-11416-30	PLANE BEARING, CRANKSHAFT 1	5	5	5	UR WHITE
12	6GR-11417-00	PLANE BEARING, CRANKSHAFT 2	5	5	5	UR BLACK
	6GR-11417-10	PLANE BEARING, CRANKSHAFT 2	5	5	5	UR BLUE
	6GR-11417-20	PLANE BEARING, CRANKSHAFT 2	5	5	5	UR PINK
	6GR-11417-30	PLANE BEARING, CRANKSHAFT 2	5	5	5	UR WHITE
13	6CB-11426-03	BEARING, THRUST 1	1	1	1	
14	6CB-11427-03	BEARING, THRUST 2	1	1	1	
15	6GR-11426-00	BEARING, THRUST 1	1	1	1	
16	6GR-11427-00	BEARING, THRUST 2	1	1	1	
17	6GR-W1165-00	CONNECTING ROD ASSY	8	8	8	
18	63P-11654-10	.BOLT, CONNECTING ROD	2	2	2	
19	6GR-11631-00	PISTON (STD)	8	8	8	
20	6GR-11603-00	PISTON RING SET (STD)	8	8	8	
21	6GR-11633-00	PIN, PISTON	8	8	8	

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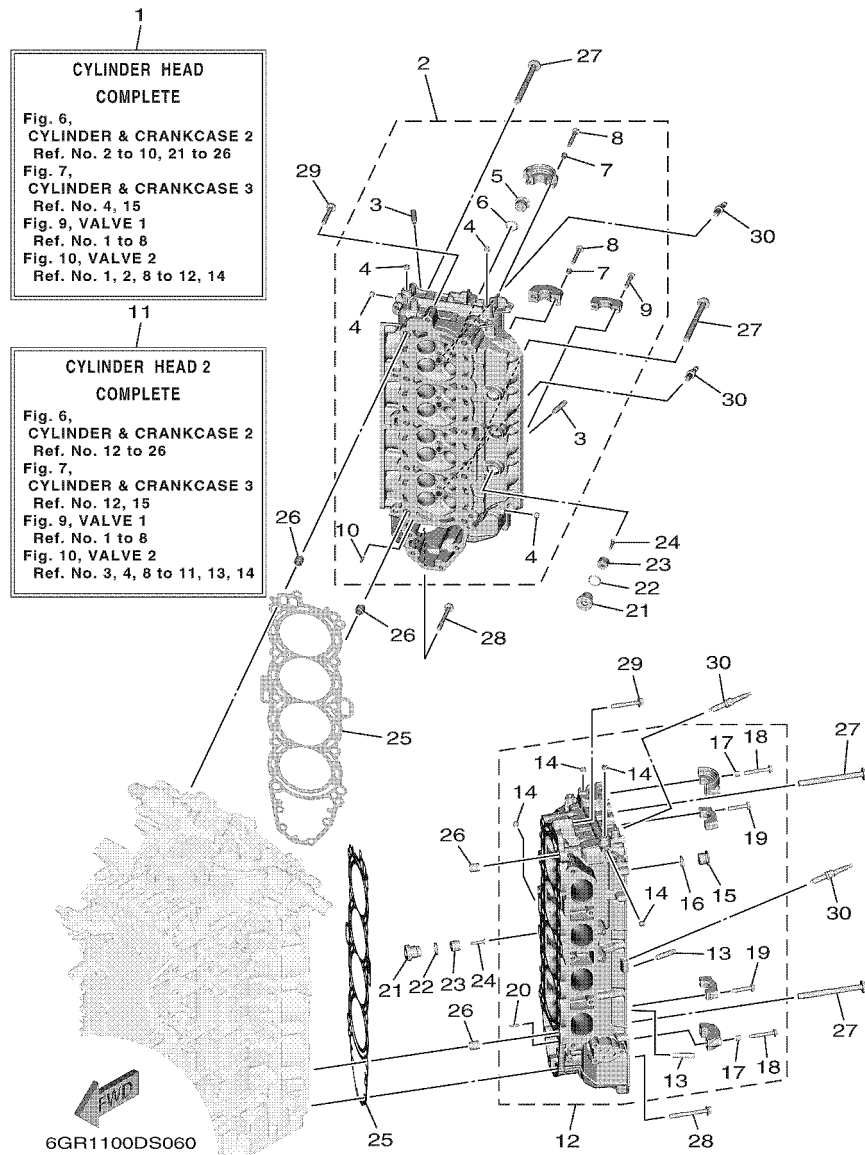


FIG. 6 CYLINDER & CRANKCASE 2

REF. NO.	PART NO.	DESCRIPTION	NSA	NSA2	NSA7	REMARKS
1	6GR-W009A-00-9S	CYLINDER HEAD COMPLETE	1	1	1	
2	6GR-11110-00	CYLINDER HEAD ASSY	1	1	1	
3	6DA-11133-10	.GUIDE, VALVE 1	16	16	16	
4	90344-51019	.PLUG, TAPER SCREW	4	4	4	
5	90340-97002	.PLUG, STRAIGHT SCREW	3	3	3	
6	93210-18322	.O-RING	3	3	3	
7	91809-08006	.PIN, DOWEL	4	4	4	
8	90119-07235	.BOLT/WASHER-CAM CAPS	4	4	4	
9	90119-07234	.BOLT, WITH WASHER	18	18	18	
10	91690-40018	.PIN, SPRING	1	1	1	
11	6GR-W009C-00-9S	CYLINDER HEAD 2 COMPLETE	1	1	1	
12	6GR-11120-00	CYLINDER HEAD ASSY 2	1	1	1	
13	6DA-11133-10	.GUIDE, VALVE 1	16	16	16	
14	90344-51019	.PLUG, TAPER SCREW	4	4	4	
15	90340-97002	.PLUG, STRAIGHT SCREW	3	3	3	
16	93210-18322	.O-RING	3	3	3	
17	91809-08006	.PIN, DOWEL	4	4	4	
18	90119-07235	.BOLT/WASHER-CAM CAPS	4	4	4	
19	90119-07234	.BOLT, WITH WASHER	18	18	18	
20	91690-40018	.PIN, SPRING	1	1	1	
21	6GR-11197-00	PLUG, BLIND	6	6	6	
22	93210-19216	O-RING	6	6	6	
23	6AW-1132L-00	ANODE 2	6	6	6	
24	98780-05025	SCREW, FLAT HEAD	6	6	6	
25	6GR-11181-00	GASKET, CYLINDER HEAD 1	2	2	2	
26	90387-11005	COLLAR	4	4	4	
27	90149-11001	SCREW	20	20	20	

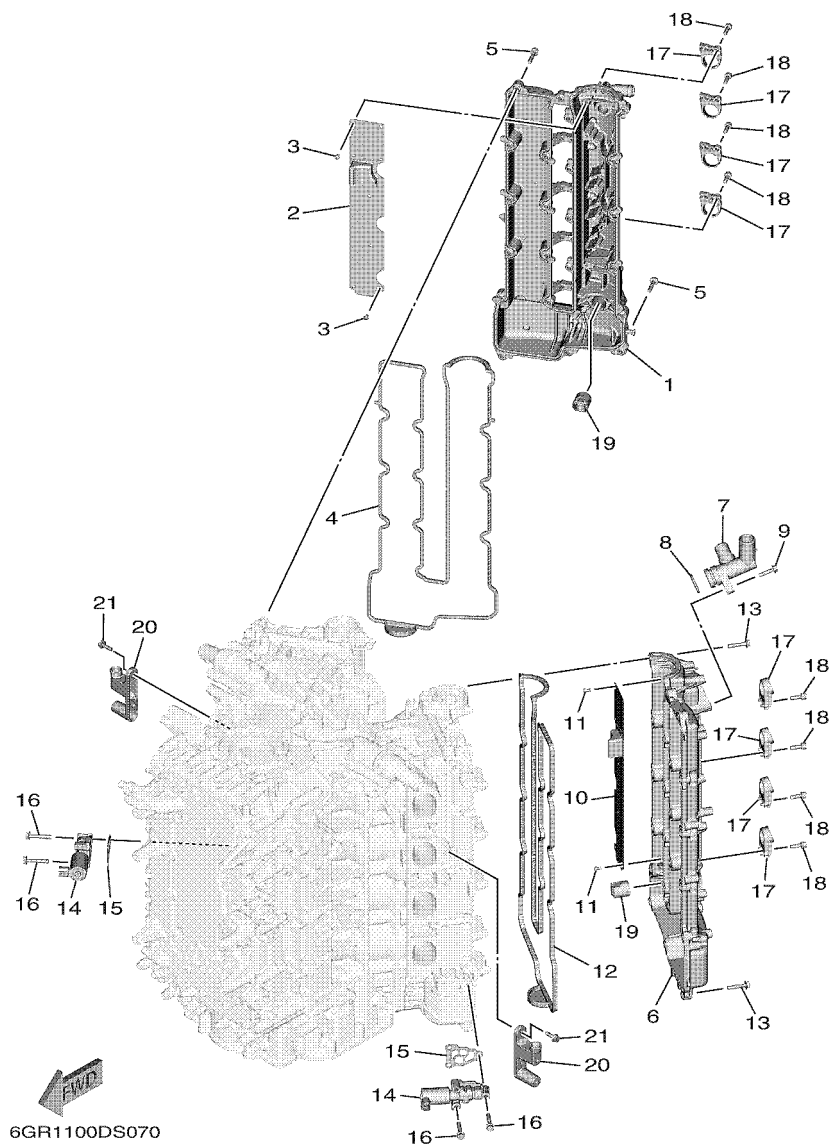


FIG. 7 CYLINDER & CRANKCASE 3

REF. NO.	PART NO.	DESCRIPTION	NSA	NSA2	NSA7		REMARKS
1	6GR-11191-00-9S	COVER, CYLINDER HEAD 1	1	1	1		
2	6GR-11135-00	PLATE, BREATHER 3	1	1	1		
3	97607-04208	SCREW, WITH WASHER	8	8	8		
4	6GR-11193-00	GASKET, HEAD COVER 1	1	1	1		
5	95D95-06030	BOLT, FLANGE DEEP RECESS	22	22	22		
6	6GR-11192-00-9S	COVER, CYLINDER HEAD 2	1	1	1		
7	6GR-11372-00	NIPPLE, HOSE	1	1	1		
8	93210-28646	O-RING	1	1	1		
9	95D95-06025	BOLT, FLANGE DEEP RECESS	1	1	1		
10	6GR-11136-00	PLATE, BREATHER 4	1	1	1		
11	97607-04208	SCREW, WITH WASHER	8	8	8		
12	6GR-11194-00	GASKET, HEAD COVER 2	1	1	1		
13	95D95-06030	BOLT, FLANGE DEEP RECESS	22	22	22		
14	6GR-86120-00	SOLENOID VALVE ASSY	2	2	2		
15	6CB-1242F-00	GASKET, FILTER	2	2	2		
16	90105-06035	BOLT, FLANGE	6	6	6		
17	6GR-82316-00	BRACKET, IGNITION COIL	8	8	8		
18	90110-06038	BOLT, HEXAGON SOCKET HEAD	16	16	16		
19	6GR-11927-00	LIFTER	2	2	2		
20	6GR-42743-00	BRACKET	2	2	2		
21	95D95-06020	BOLT, FLANGE DEEP RECESS	4	4	4		

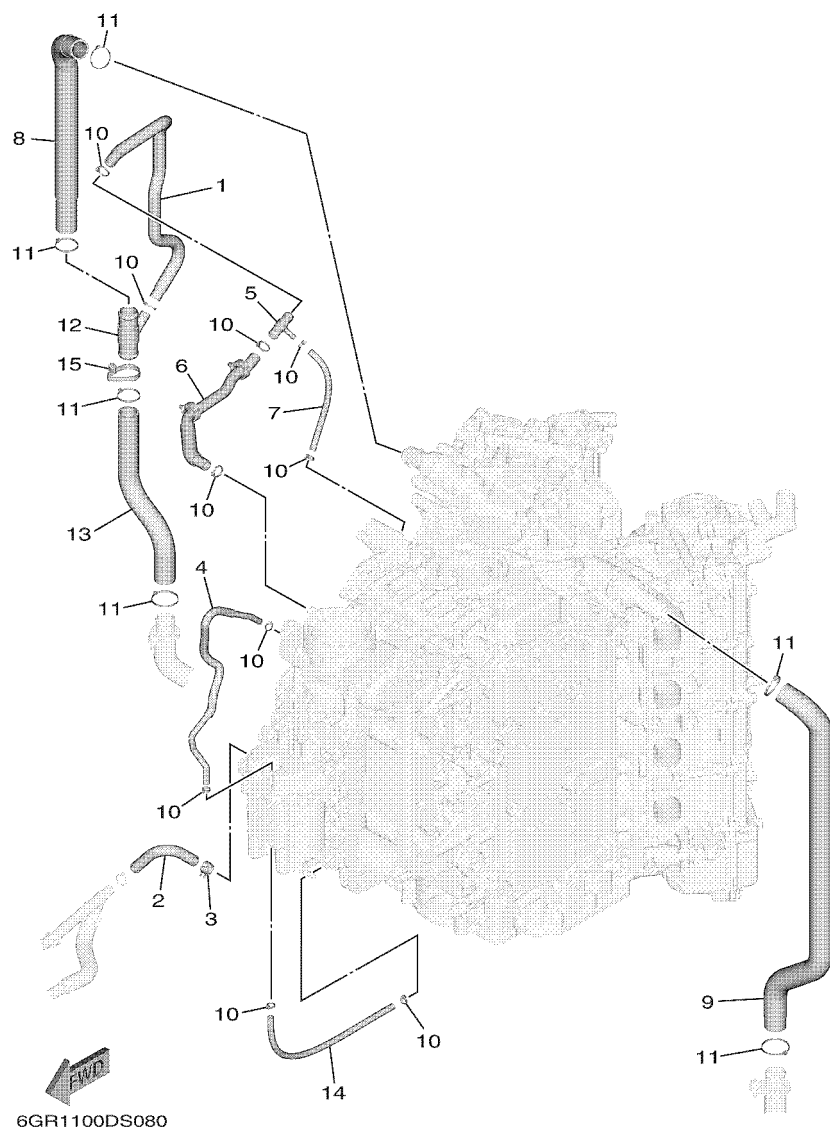


FIG. 8 CYLINDER & CRANKCASE 4

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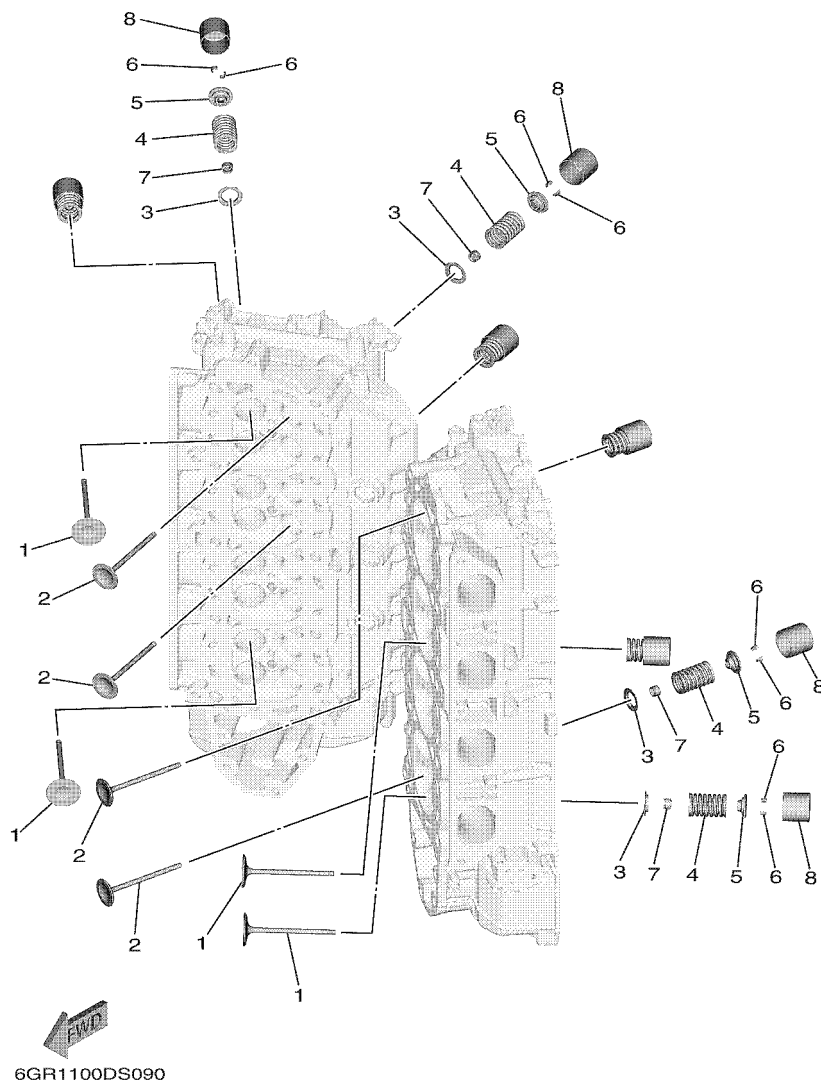


FIG. 9 VALVE 1

REF. NO.	PART NO.	DESCRIPTION	NSA	NSA2	NSA7	REMARKS
8	6GR-12153-L0	LIFTER, VALVE (3.420)	32	32	32	UR
	6GR-12153-M0	LIFTER, VALVE (3.440)	32	32	32	UR
	6GR-12153-N0	LIFTER, VALVE (3.460)	32	32	32	UR
	6GR-12153-P0	LIFTER, VALVE (3.480)	32	32	32	UR
	6GR-12153-R0	LIFTER, VALVE (3.500)	32	32	32	UR
	6GR-12153-S0	LIFTER, VALVE (3.520)	32	32	32	UR
	6GR-12153-T0	LIFTER, VALVE (3.540)	32	32	32	UR
	6GR-12145-00	LIFTER, VALVE (3.560)	32	32	32	UR
	6GR-12145-10	LIFTER, VALVE (3.580)	32	32	32	UR
	6GR-12145-20	LIFTER, VALVE (3.600)	32	32	32	UR
	6GR-12145-30	LIFTER, VALVE (3.625)	32	32	32	UR
	6GR-12145-40	LIFTER, VALVE (3.650)	32	32	32	UR
	6GR-12145-50	LIFTER, VALVE (3.675)	32	32	32	UR
	6GR-12145-60	LIFTER, VALVE (3.700)	32	32	32	UR

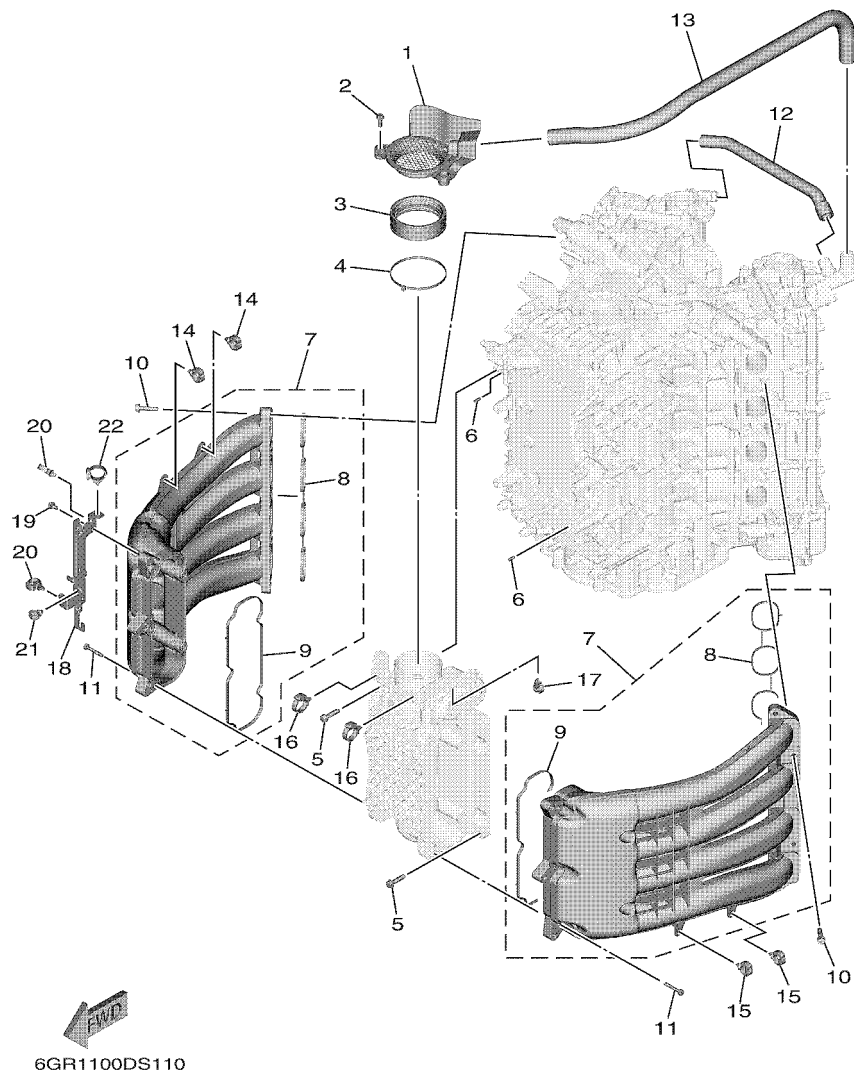


FIG. 11 INTAKE

REF. NO.	PART NO.	DESCRIPTION	NSA	NSA2	NSA7		REMARKS
1	6GR-14440-00	SILENCER ASSY, INTAKE	1	1	1		
2	95D95-06020	BOLT, FLANGE DEEP RECESS	2	2	2		
3	6AW-1441J-00	PIPE, SILENCER	1	1	1		
4	90464-99004	CLAMP	1	1	1		
5	90119-08022	BOLT, WITH WASHER	6	6	6		
6	91690-50014	PIN, SPRING	2	2	2		
7	6GR-13641-00	MANIFOLD, INTAKE 1	2	2	2		
8	6GR-13645-00	.GASKET, MANIFOLD 1	1	1	1		
9	6GR-13646-00	.GASKET, MANIFOLD 2	1	1	1		
10	90119-08022	BOLT, WITH WASHER	10	10	10		
11	90119-06MA6	BOLT, WITH WASHER	10	10	10		
12	6GR-1531A-00	HOSE, BREATHER 1	1	1	1		
13	6GR-1531A-10	HOSE, BREATHER 1	1	1	1		
14	90464-20181	CLAMP	2	2	2		
15	90464-20181	CLAMP	2	2	2		
16	90464-12183	CLAMP	2	2	2		
17	90464-13249	CLAMP	1	1	1		
18	6GR-8257G-00	CLAMP, CORD	1	1	1		
19	95D95-06012	BOLT, FLANGE DEEP RECESS	2	2	2		
20	90464-20181	CLAMP	2	2	2		
21	90464-13249	CLAMP	1	1	1		
22	90464-12183	CLAMP	1	1	1		

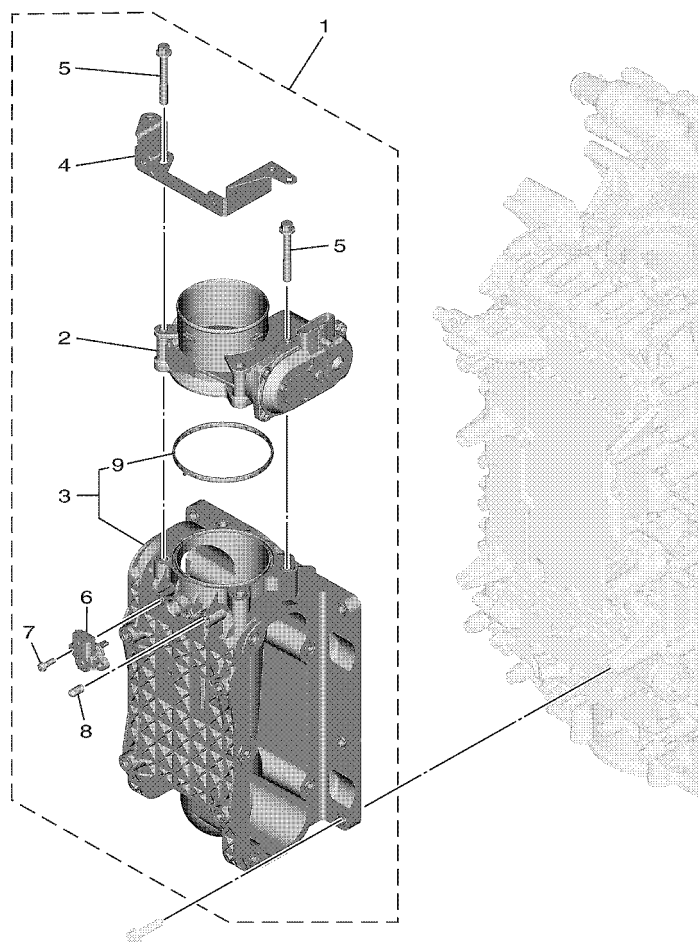


FIG. 12 THROTTLE BODY ASSY

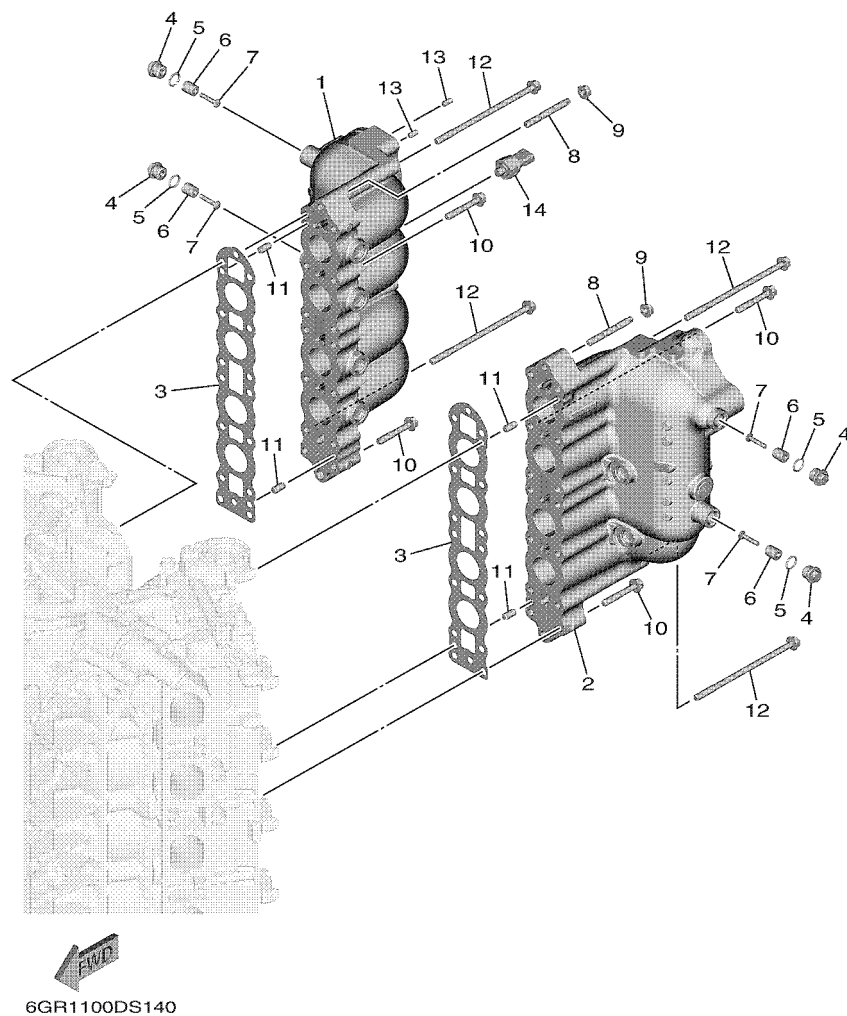


FIG. 14 EXHAUST 1

[illegible]

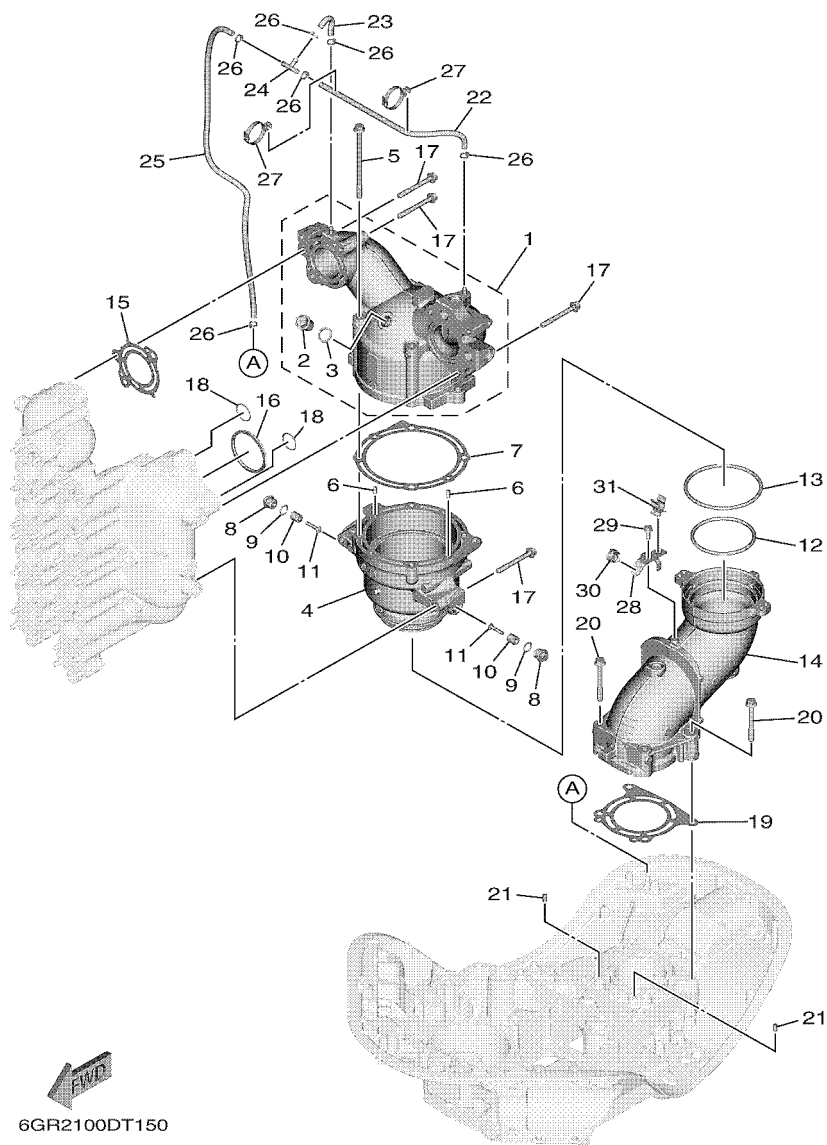


FIG. 15 EXHAUST 2

REF. NO.	PART NO.	DESCRIPTION	NSA	NSA2	NSA7	REMARKS
1	6GR-14635-00-9S	JOINT, EXHAUST 3	1	1	1	
2	90340-18M09	.PLUG, STRAIGHT SCREW	1	1	1	
3	90201-186F1	.WASHER, PLATE	1	1	1	
4	6GR-14645-00-9S	JOINT, EXHAUST 4	1	1	1	
5	90105-08268	BOLT, FLANGE	4	4	4	
6	93606-12019	PIN, DOWEL	2	2	2	
7	6GR-41124-00	GASKET, EXHAUST OUTER COVER	1	1	1	
8	6G8-11197-A0	PLUG, BLIND	2	2	2	
9	93210-13M63	O-RING	2	2	2	
10	6G8-11325-00	ANODE	2	2	2	
11	98980-05025	SCREW, BIND	2	2	2	
12	93210-90001	O-RING	1	1	1	
13	93211-10001	O-RING	1	1	1	
14	6GR-14656-00-9S	JOINT, EXHAUST 5	1	1	1	
15	6GR-41114-00	GASKET, EXHAUST OUTER COVER	1	1	1	
16	6GR-14643-00	GASKET 3	1	1	1	
17	90105-08220	BOLT, FLANGE	7	7	7	
18	93210-26003	O-RING	2	2	2	
19	6GR-41134-00	GASKET, EXHAUST MANIFOLD	1	1	1	
20	90105-08220	BOLT, FLANGE	4	4	4	
21	93606-12019	PIN, DOWEL	2	2	2	
22	90445-09104	HOSE (L300)	1	1	1	
23	6GR-12482-00	PIPE 2	1	1	1	
24	688-24378-00	PIPE, JOINT 3	1	1	1	
25	90445-09047	HOSE (L630)	1	1	1	
26	90465-11M10	CLAMP	6	6	6	
27	90464-09028	CLAMP	2	2	2	

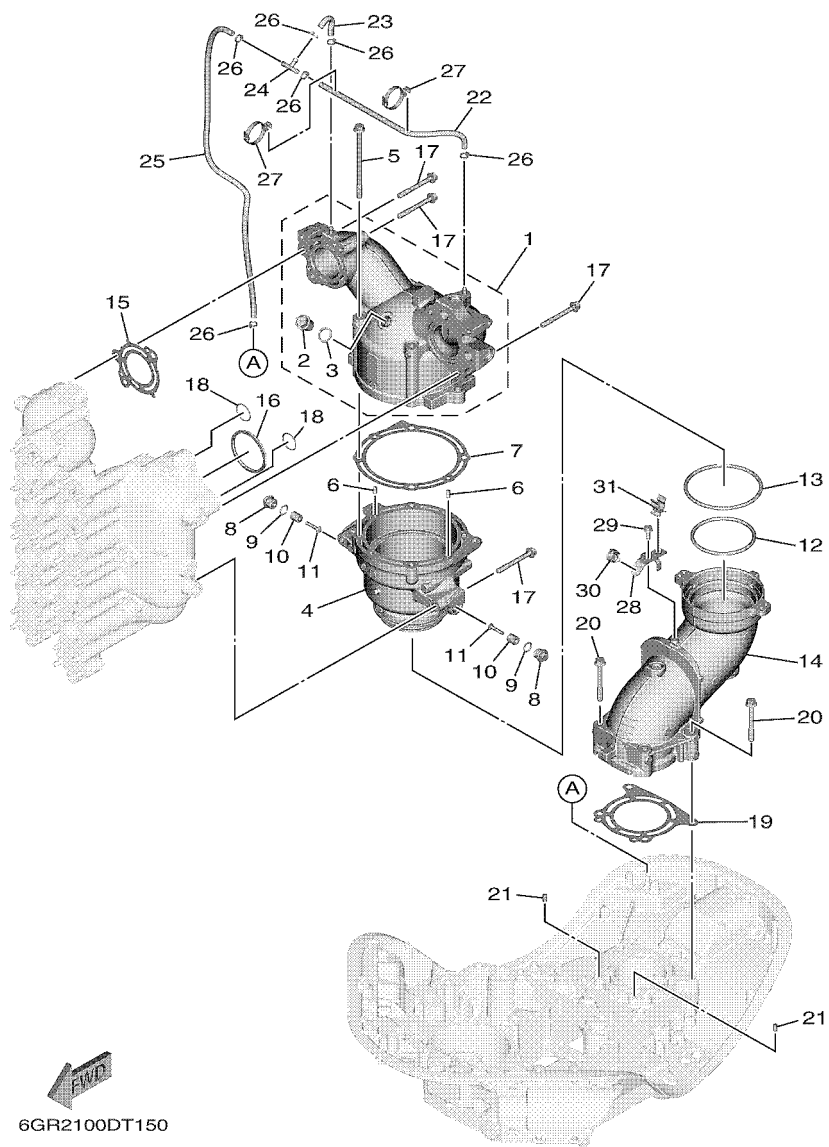


FIG. 15 EXHAUST 2

REF. NO.	PART NO.	DESCRIPTION	NSA	NSA2	NSA7			REMARKS
28	6GR-82588-00	PLATE	1	1	1			
29	95D95-06016	BOLT, FLANGE DEEP RECESS	1	1	1			
30	90464-13249	CLAMP	1	1	1			
31	90464-12015	CLAMP	1	1	1			

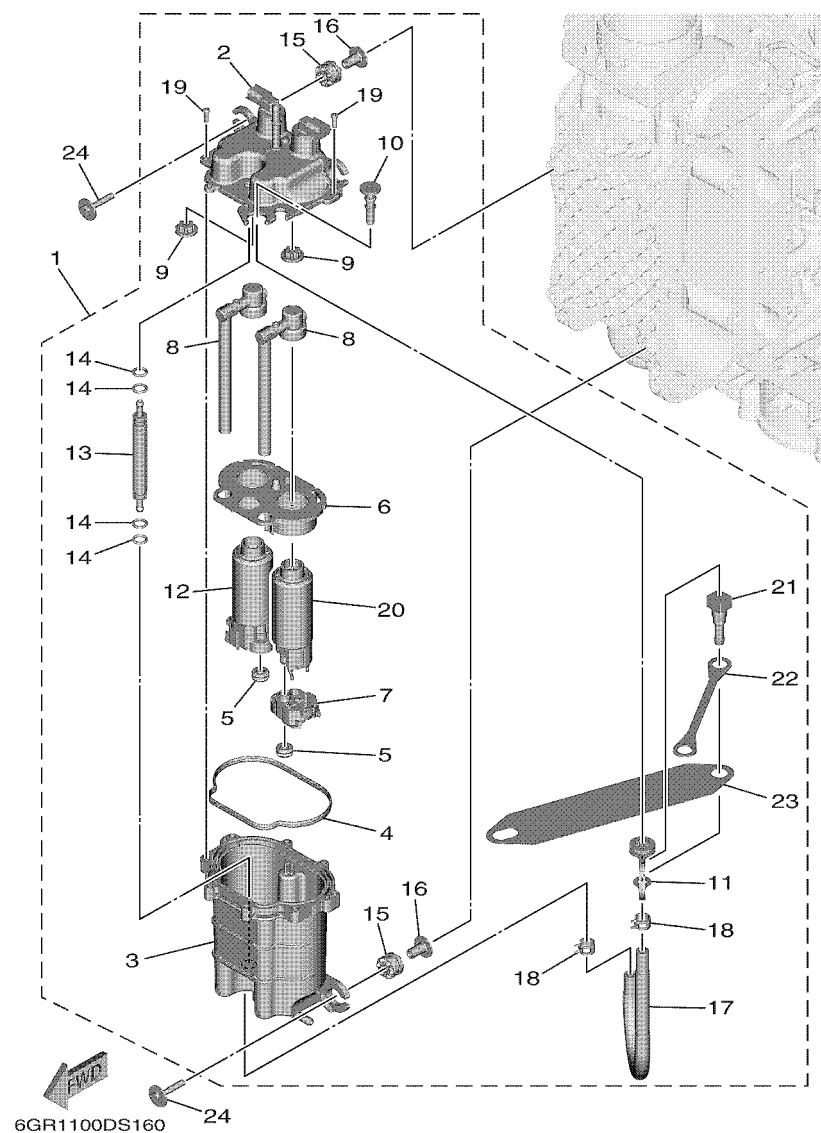


FIG. 16 VAPOR SEPARATOR

REF. NO.	PART NO.	DESCRIPTION	NSA	NSA2	NSA7		REMARKS
1	6GR-24220-00	FUEL TANK COMP. 2	1	1	1		
2	6GR-24223-00	.COVER, FUEL TANK ASSY	1	1	1		
3	6GR-24224-00	.CASE, FUEL TANK ASSY.	1	1	1		
4	6GR-24218-00	.GASKET	1	1	1		
5	6GR-13781-00	.DAMPER, PUMP	2	2	2		
6	6GR-2441R-00	.PLATE, BAFFLE 1	1	1	1		
7	6GR-244A1-00	.CASE, PUMP 1	1	1	1		
8	6GR-13938-00	.PIPE	2	2	2		
9	6GR-13593-00	.DAMPER	2	2	2		
10	6GR-24196-00	.PLUG, DRAIN	1	1	1		
11	6GR-2419A-00	.HOLDER	1	1	1		
12	6GR-24430-00	.FUEL PUMP ASSY	1	1	1		
13	6GR-21841-00	.COOLER	1	1	1		
14	6FM-14562-00	.O-RING	4	4	4		
15	6CB-13593-00	.DAMPER	4	4	4		
16	6GR-13716-00	.COLLAR	4	4	4		
17	6GR-14197-00	.PIPE	1	1	1		
18	68V-13577-00	.CLIP	2	2	2		
19	6GR-14567-00	.SCREW	8	8	8		
20	6GR-24420-10	.FUEL PUMP ASSY	1	1	1		
21	6AW-24300-10	.FUEL PIPE JOINT	1	1	1		
22	6GR-24113-00	.PLATE, CONNECTING	1	1	1		
23	6GR-2415H-00	.LABEL, WARNING	1	1	1		
24	90119-06269	BOLT, WITH WASHER	4	4	4		

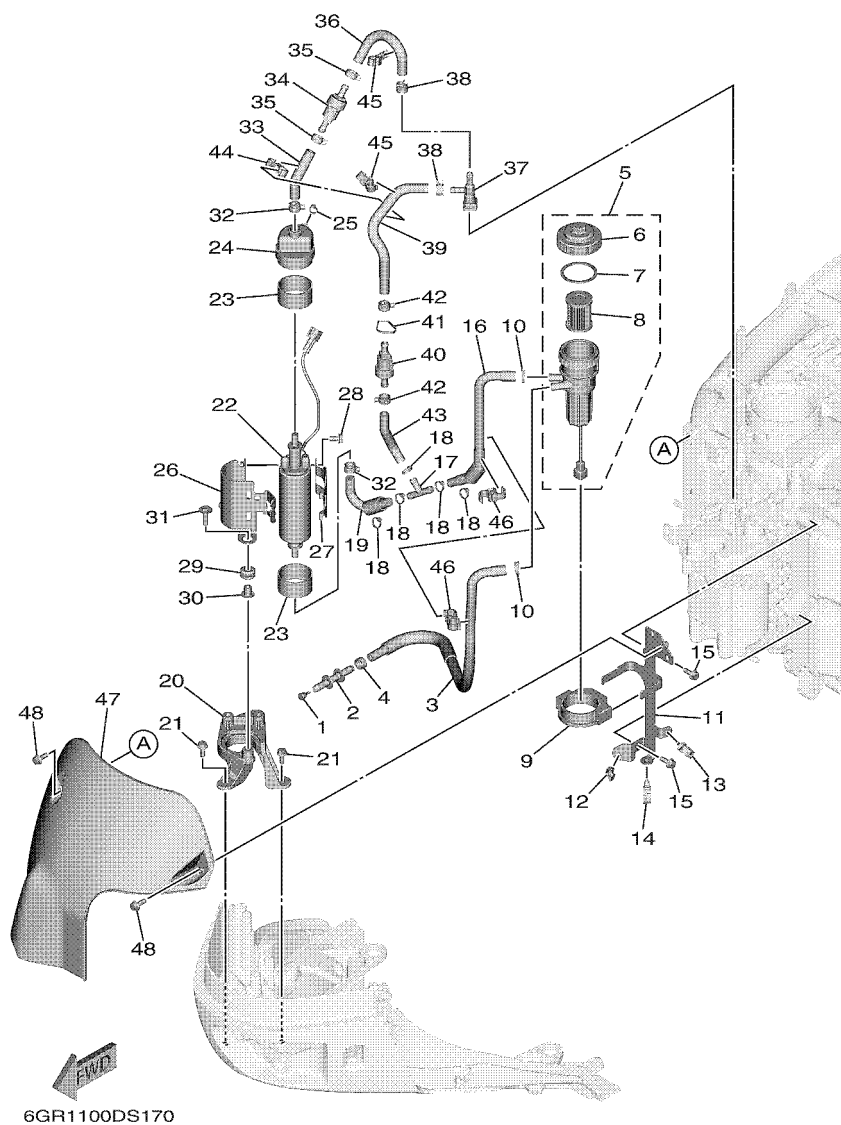


FIG. 17 FUEL 1

REF. NO.	PART NO.	DESCRIPTION	NSA	NSA2	NSA7	REMARKS
1	689-85547-00	DAMPER	1	1	1	
2	6AW-24377-01	PIPE, JOINT 2	1	1	1	
3	6GR-24311-00	PIPE, FUEL 1	1	1	1	
4	6E5-24351-51	BAND 1	1	1	1	
5	6GR-24560-00	FILTER ASSY	1	1	1	
6	6GR-24561-00	.BODY, FILTER	1	1	1	
7	6P3-24564-00	.GASKET	1	1	1	
8	6P3-24563-01	.ELEMENT, FILTER	1	1	1	
9	6GR-24568-00	BAND, FILTER	1	1	1	
10	90465-11M10	CLAMP	2	2	2	
11	6GR-24566-00	BRACKET, FILTER	1	1	1	
12	90464-11121	CLAMP	1	1	1	
13	90464-13249	CLAMP	1	1	1	
14	90464-18246	CLAMP	1	1	1	
15	95D95-06016	BOLT, FLANGE DEEP RECESS	2	2	2	
16	6GR-24312-00	PIPE 2	1	1	1	
17	6E5-24378-00	PIPE, JOINT 3	1	1	1	
18	90465-11M10	CLAMP	5	5	5	
19	6GR-24321-00	PIPE 10	1	1	1	
20	6GR-24425-00	BRACKET, FUEL PUMP 1	1	1	1	
21	95D95-06016	BOLT, FLANGE DEEP RECESS	3	3	3	
22	6GR-24410-00	FUEL PUMP ASSY	1	1	1	
23	6DA-24492-00	BUSH, FUEL PUMP	2	2	2	
24	6GR-24462-00	CAP, BLIND	1	1	1	
25	90465-11M10	CLAMP	1	1	1	
26	6GR-24491-00	BRACKET, FUEL PUMP	1	1	1	
27	6GR-24426-00	BRACKET, FUEL PUMP 2	1	1	1	

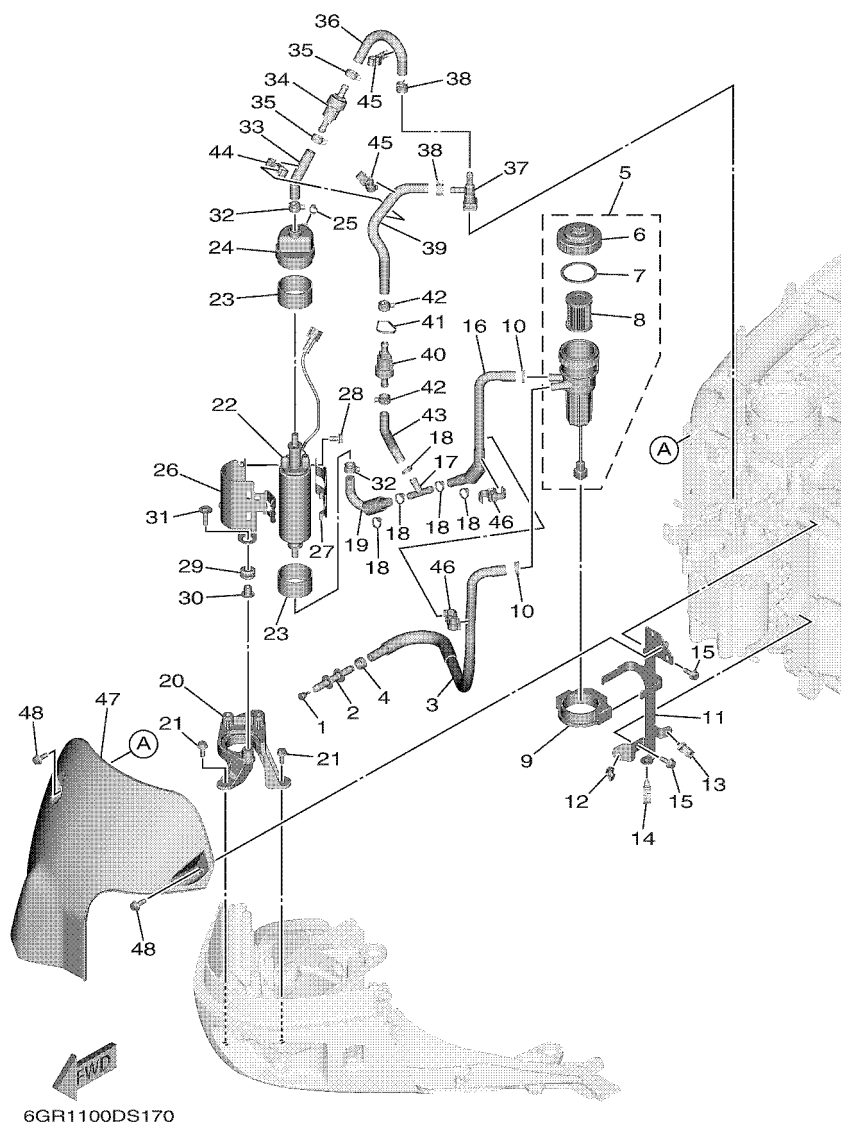
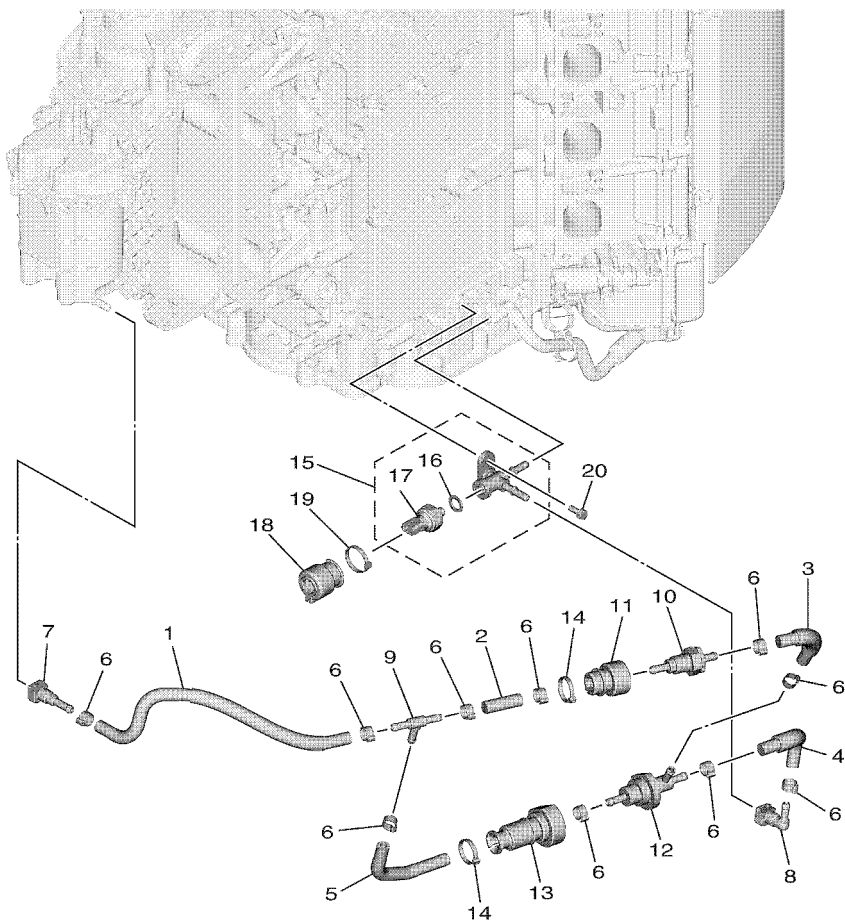


FIG. 17 FUEL 1

REF. NO.	PART NO.	DESCRIPTION	NSA	NSA2	NSA7	REMARKS
28	95D95-06012	BOLT, FLANGE DEEP RECESS	2	2	2	
29	90480-10M23	GROMMET	3	3	3	
30	90387-06289	COLLAR	3	3	3	
31	90119-06M17	BOLT, WITH WASHER	3	3	3	
32	90467-140A9	CLIP	2	2	2	
33	6GR-24322-00	PIPE 11	1	1	1	
34	6R5-24408-10	FUEL FEED ASSY	1	1	1	
35	90467-140A9	CLIP	2	2	2	
36	6GR-24323-00	PIPE 12	1	1	1	
37	6P2-24300-00	FUEL PIPE JOINT	1	1	1	
38	90467-120A7	CLIP	2	2	2	
39	6GR-24324-00	PIPE 13	1	1	1	
40	6GR-24460-20	RELIEF VALVE ASSY	1	1	1	
41	90465-13M60	CLAMP	1	1	1	
42	90467-140A9	CLIP	2	2	2	
43	6GR-24325-00	PIPE 14	1	1	1	
44	90464-12009	CLAMP	1	1	1	
45	90464-12010	CLAMP	2	2	2	
46	90464-12009	CLAMP	2	2	2	
47	6GR-24596-00	COVER	1	1	1	
48	95D95-06016	BOLT, FLANGE DEEP RECESS	3	3	3	



6GR1100DS180

FIG. 18 FUEL 2

REF. NO.	PART NO.	DESCRIPTION	NSA	NSA2	NSA7		REMARKS
1	6GR-24313-00	PIPE 3	1	1	1		
2	6GR-24314-00	PIPE 4	1	1	1		
3	6GR-24315-00	PIPE 5	1	1	1		
4	6GR-24316-00	PIPE 6	1	1	1		
5	6GR-24317-00	PIPE 7	1	1	1		
6	90467-141A1	CLIP	10	10	10		
7	6AW-24300-10	FUEL PIPE JOINT	1	1	1		
8	6AW-24300-00	FUEL PIPE JOINT	1	1	1		
9	6CB-24461-00	PIPE, JOINT	1	1	1		
10	6GR-24408-00	FUEL FEED ASSY	1	1	1		
11	6GR-24217-00	COVER	1	1	1		
12	6GR-24460-00	RELIEF VALVE ASSY	1	1	1		
13	6GR-24474-00	COVER	1	1	1		
14	90465-13M97	CLAMP	2	2	2		
15	6GR-8A411-00	SENSOR UNIT 1	1	1	1		
16	6GR-825A8-00	.SEAL, SENSOR	1	1	1		
17	6GR-82421-00	.SENSOR, FUEL PRESSURE	1	1	1		
18	6GR-2464E-00	COVER, CAP	1	1	1		
19	90465-13M97	CLAMP	1	1	1		
20	97E95-06516	BOLT, HEXAGON W/W DEEP RECESS	1	1	1		

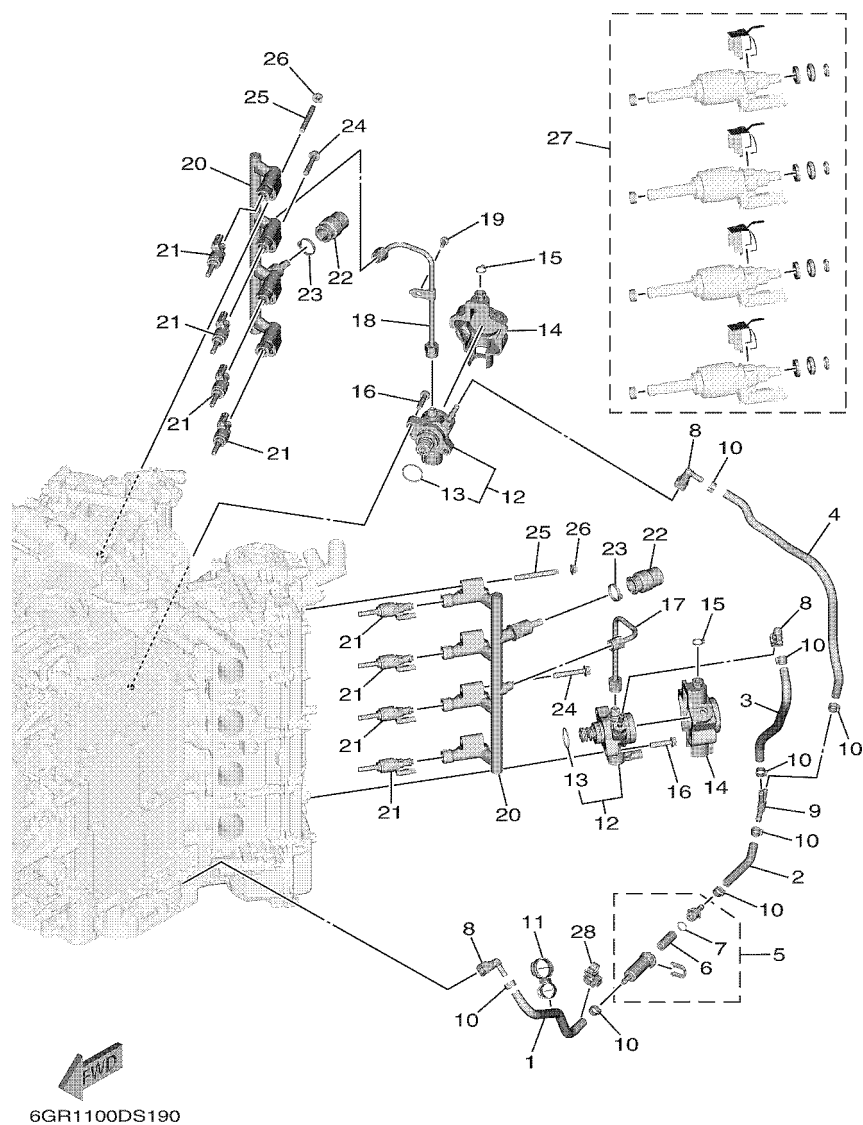
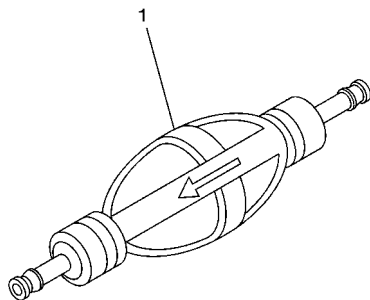


FIG. 19 FUEL 3

REF. NO.	PART NO.	DESCRIPTION	NSA	NSA2	NSA7			REMARKS
1	6GR-243A1-00	PIPE 15	1	1	1			
2	6GR-243A2-00	PIPE 16	1	1	1			
3	6GR-243A3-00	PIPE 17	1	1	1			
4	6GR-243A4-00	PIPE 18	1	1	1			
5	6GR-24251-00	STRAINER 1	1	1	1			
6	6GR-24501-00	.FILTER, FUEL	1	1	1			
7	6GR-13016-00	.O-RING	1	1	1			
8	6AW-24300-00	FUEL PIPE JOINT	3	3	3			
9	6CB-24461-00	PIPE, JOINT	1	1	1			
10	90467-141A1	CLIP	8	8	8			
11	90464-29223	CLAMP	1	1	1			
12	6GR-13910-00	FUEL PUMP ASSY	2	2	2			
13	6GR-12439-00	.O-RING	1	1	1			
14	6GR-24595-00	PROTECTOR	2	2	2			
15	90465-11M10	CLAMP	2	2	2			
16	97E95-08535	BOLT, HEXAGON W/W DEEP RECESS	4	4	4			
17	6GR-14295-00	PIPE, FUEL	1	1	1			
18	6GR-14296-00	PIPE, FUEL 2	1	1	1			
19	95D95-06014	BOLT, FLANGE DEEP RECESS	1	1	1			
20	6GR-13160-09	DELIVERY PIPE ASSY 1	2	2	2			
21	6GR-13761-00	INJECTOR	8	8	8			
22	6GR-24599-00	CAP	2	2	2			
23	90465-13M97	CLAMP	2	2	2			
24	90105-08175	BOLT, FLANGE	4	4	4			
25	90116-08037	BOLT, STUD	4	4	4			
26	90179-08M34	NUT	4	4	4			
27	6GR-W0005-00	O-RING SET	2	2	2			



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FIG. 20 FUEL 4

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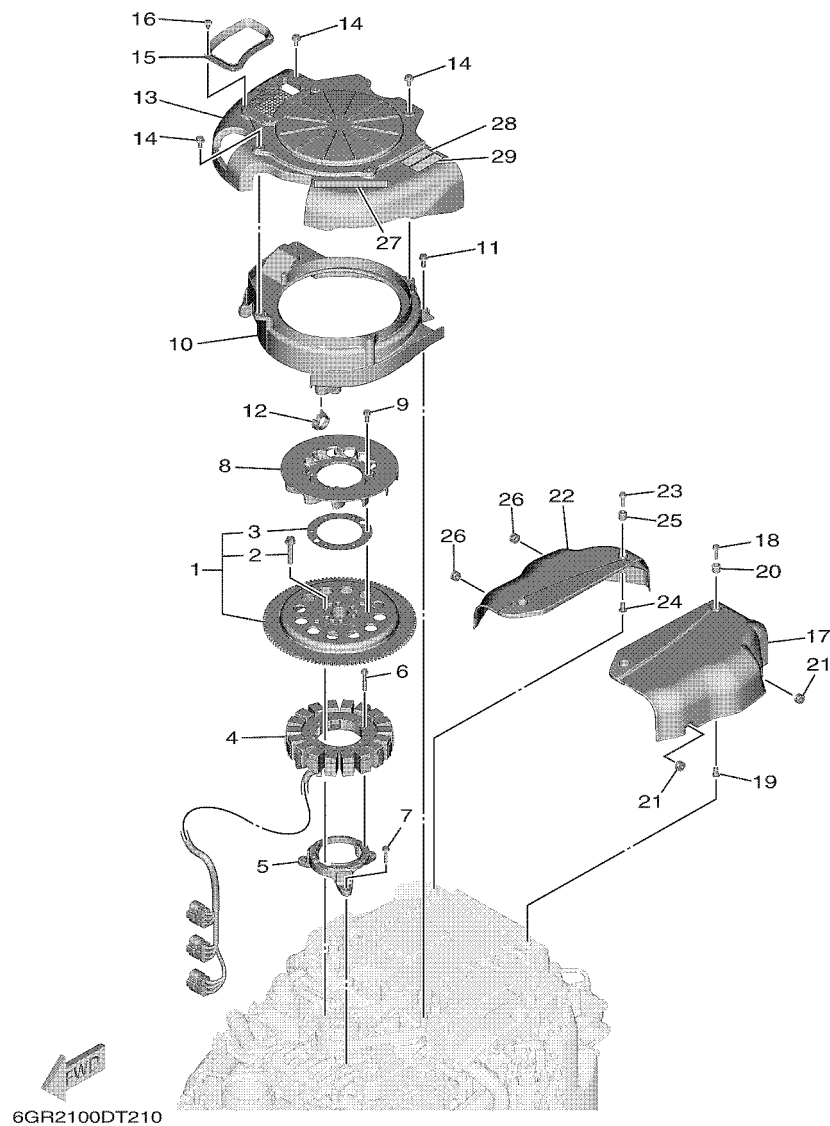


FIG. 21 GENERATOR

REF. NO.	PART NO.	DESCRIPTION	NSA	NSA2	NSA7		REMARKS
1	6GR-W8145-00	ROTOR ASSY WITH BOLTS	1	1	1		
2	6EK-W9010-00	.BOLT SET	1	1	1		
3	6GR-8398X-00	.WASHER, PLATE	1	1	1		
4	6GR-81410-00	STATOR ASSY	1	1	1		
5	6GR-85561-00	BASE, MAGNETO	1	1	1		
6	95022-06035	BOLT, FLANGE	6	6	6		
7	95D95-06030	BOLT, FLANGE DEEP RECESS	3	3	3		
8	6GR-85586-00	FAN	1	1	1		
9	97E95-06516	BOLT, HEXAGON W/W DEEP RECESS	4	4	4		
10	6GR-12651-00	AIR SHROUD, CYLINDER 1	1	1	1		
11	95D95-06016	BOLT, FLANGE DEEP RECESS	3	3	3		
12	90464-12183	CLAMP	1	1	1		
13	6GR-12653-00	AIR SHROUD, CYLINDER 3	1	1	1		
14	95D95-06012	BOLT, FLANGE DEEP RECESS	5	5	5		
15	6GR-12659-00	DAMPER, AIR SHROUD 2	1	1	1		
16	90338-05M03	PLUG	5	5	5		
17	6GR-81942-00	COVER	1	1	1		
18	95D95-06025	BOLT, FLANGE DEEP RECESS	2	2	2		
19	90387-06119	COLLAR	2	2	2		
20	6A0-82317-00	DAMPER, IGNITION COIL	2	2	2		
21	90480-12314	GROMMET	2	2	2		
22	6GR-81639-00	COVER	1	1	1		
23	95D95-06025	BOLT, FLANGE DEEP RECESS	2	2	2		
24	90387-06119	COLLAR	2	2	2		
25	6A0-82317-00	DAMPER, IGNITION COIL	2	2	2		
26	90480-12314	GROMMET	2	2	2		
27	6GR-13437-60	MARK, CAUTION	1	1	1		

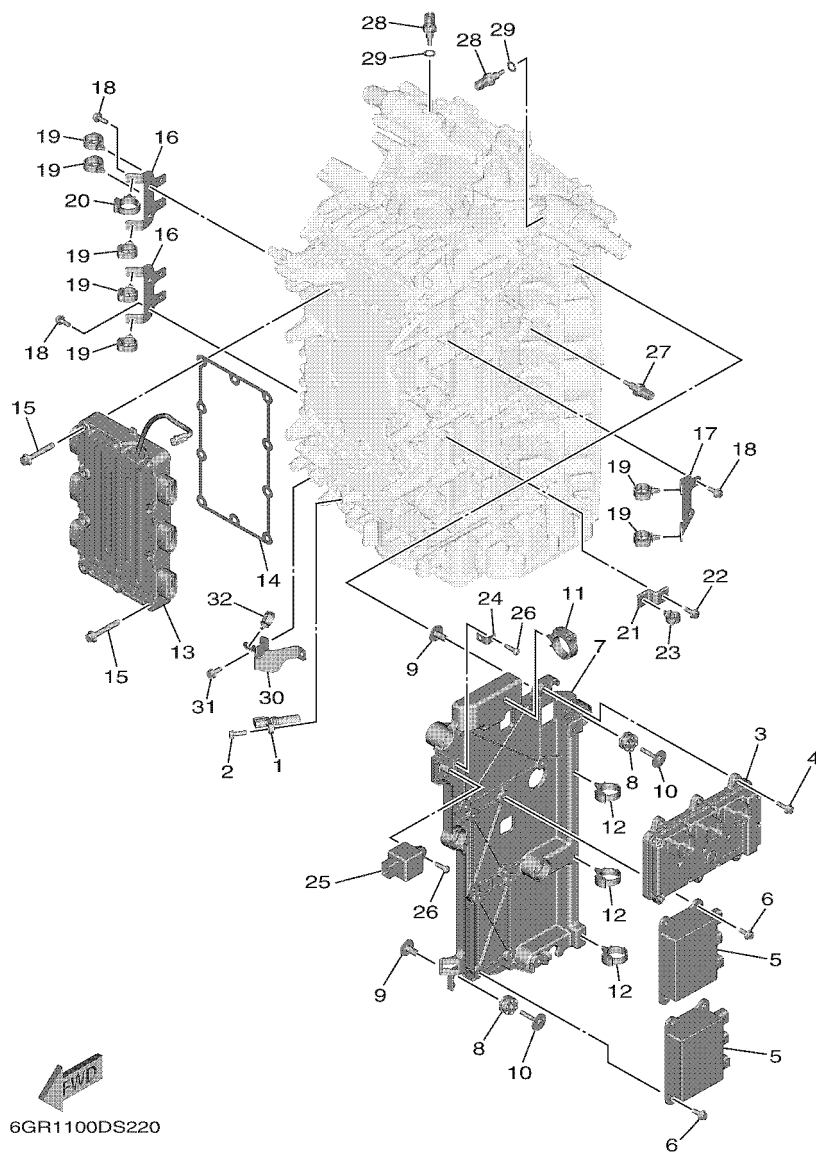


FIG. 22 ELECTRICAL 1

REF. NO.	PART NO.	DESCRIPTION	NSA	NSA2	NSA7		REMARKS
1	6GR-85895-00	CRANK POSITION SENSOR	1	1	1		
2	97E95-06520	BOLT, HEXAGON W/W DEEP RECESS	1	1	1		
3	6GR-8591A-01	ENGINE CONTROL UNIT ASSY	1	1	1		
4	95D95-06020	BOLT, FLANGE DEEP RECESS	4	4	4		
5	6GR-8591B-00	DRIVER, INJECTOR ASSY	2	2	2		
6	95D95-06016	BOLT, FLANGE DEEP RECESS	8	8	8		
7	6GR-81948-00	BRACKET	1	1	1		
8	60V-85564-00	GROMMET	6	6	6		
9	90387-06176	COLLAR	6	6	6		
10	68F-85119-00	BOLT	6	6	6		
11	90464-32002	CLAMP	1	1	1		
12	90464-12183	CLAMP	3	3	3		
13	6GR-81960-00	RECTIFIER & REGULATOR ASSY	1	1	1		
14	6GR-81975-00	PLATE, RECTIFIER FITTING	1	1	1		
15	90105-08175	BOLT, FLANGE	10	10	10		
16	6GR-8132G-00	PLATE	2	2	2		
17	6GR-818D2-00	PLATE, 2	1	1	1		
18	95D95-06016	BOLT, FLANGE DEEP RECESS	6	6	6		
19	90464-20181	CLAMP	7	7	7		
20	90464-12183	CLAMP	1	1	1		
21	6DA-82388-00	PLATE	1	1	1		
22	95D95-06016	BOLT, FLANGE DEEP RECESS	1	1	1		
23	90464-13249	CLAMP	1	1	1		
24	68V-85548-01	HOLDER	1	1	1		
25	68V-81950-00	RELAY ASSY	1	1	1		
26	97780-60620	SCREW, TAPPING	2	2	2		
27	4P9-83591-00	THERMO UNIT	1	1	1		

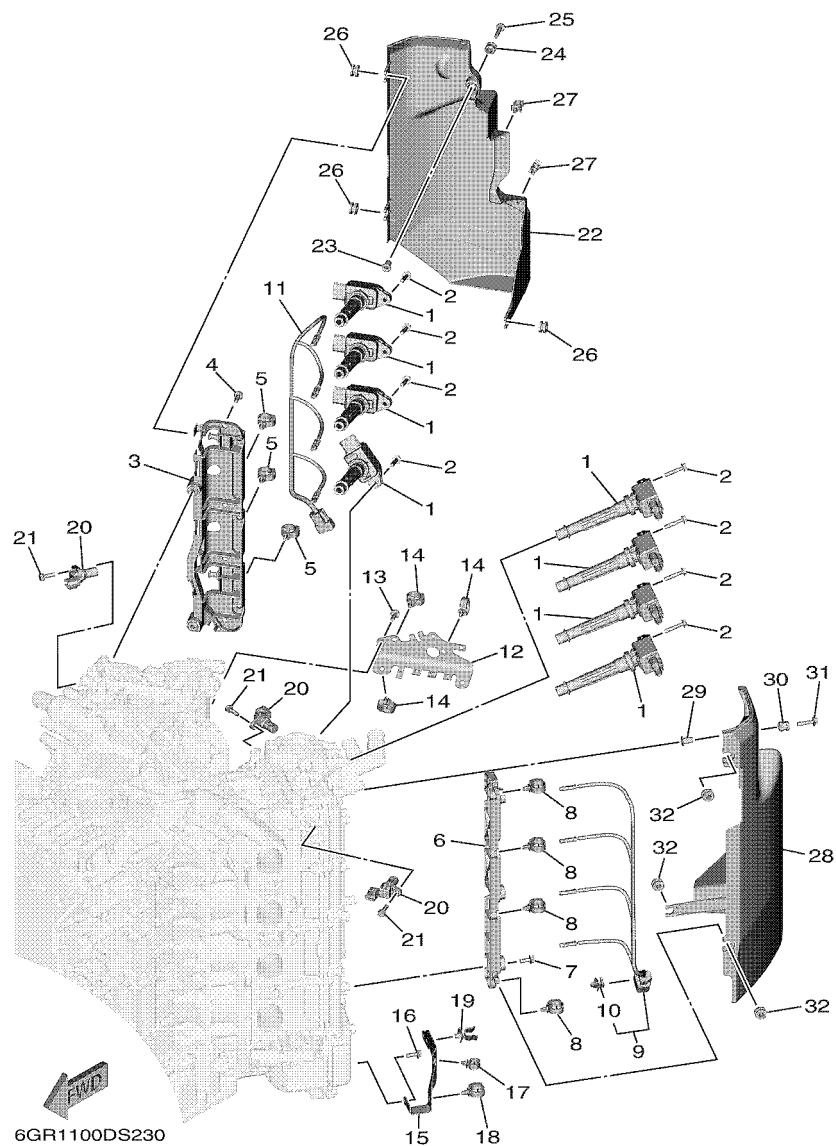


FIG. 23 ELECTRICAL 2

REF. NO.	PART NO.	DESCRIPTION	NSA	NSA2	NSA7	REMARKS
1	6GR-82310-00	IGNITION COIL ASSY	8	8	8	
2	90105-06028	BOLT, FLANGE	8	8	8	
3	6GR-8272F-00	PLATE, GUIDE 1	1	1	1	
4	95D95-06016	BOLT, FLANGE DEEP RECESS	5	5	5	
5	90464-20181	CLAMP	3	3	3	
6	6GR-8272G-00	PLATE, GUIDE 2	1	1	1	
7	95D95-06016	BOLT, FLANGE DEEP RECESS	3	3	3	
8	90464-20181	CLAMP	4	4	4	
9	6GR-82386-00	EXTENSION, WIRE HARNESS	1	1	1	
10	90464-09M47	.CLAMP	1	1	1	
11	6GR-82386-10	EXTENSION, WIRE HARNESS	1	1	1	
12	6GR-82388-00	PLATE	1	1	1	
13	95D95-06016	BOLT, FLANGE DEEP RECESS	2	2	2	
14	90464-20181	CLAMP	3	3	3	
15	6GR-82389-00	PLATE 2	1	1	1	
16	95D95-06016	BOLT, FLANGE DEEP RECESS	3	3	3	
17	90464-13249	CLAMP	1	1	1	
18	90464-20181	CLAMP	1	1	1	
19	90464-12015	CLAMP	1	1	1	
20	6GR-85896-00	SENSOR, CAM POSITION	3	3	3	
21	97E95-06520	BOLT, HEXAGON W/W DEEP RECESS	3	3	3	
22	6GR-11186-00	COVER, CYLINDER HEAD SIDE 2	1	1	1	
23	90387-06119	COLLAR	1	1	1	
24	6A0-82317-00	DAMPER, IGNITION COIL	1	1	1	
25	95D95-06025	BOLT, FLANGE DEEP RECESS	1	1	1	
26	90480-12314	GROMMET	3	3	3	
27	90464-09129	CLAMP	2	2	2	

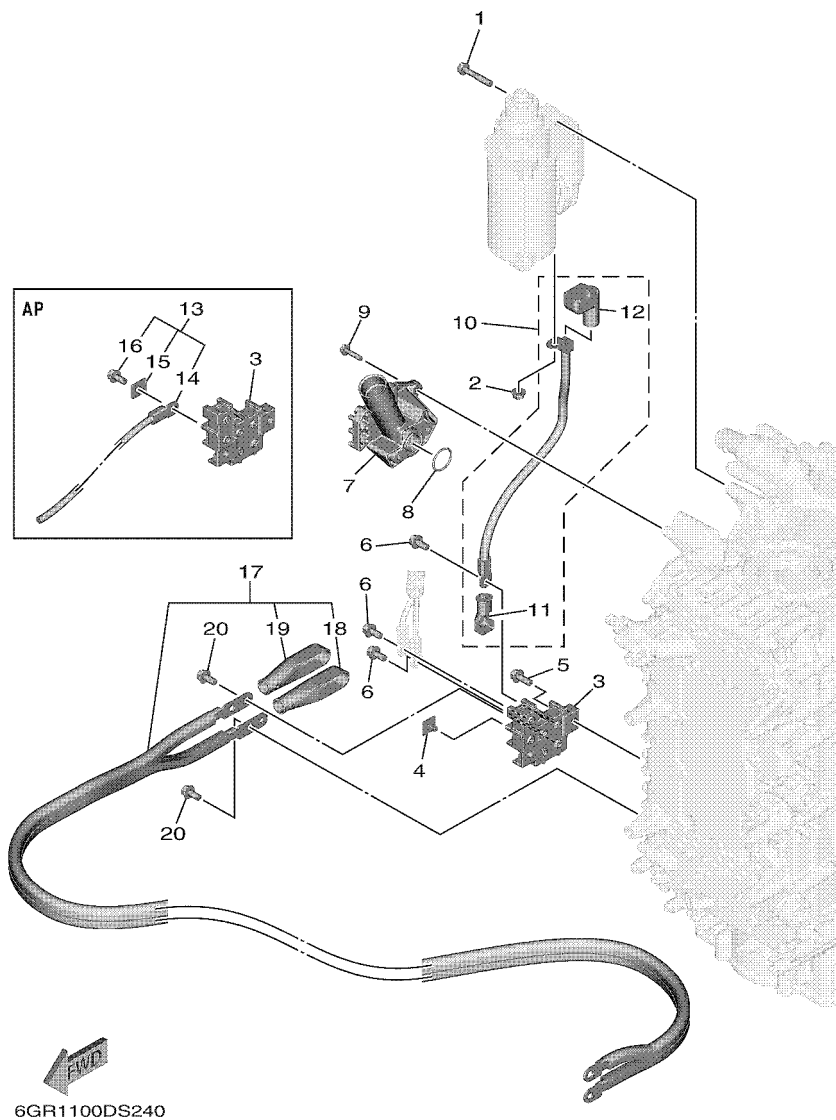


FIG. 24 ELECTRICAL 3

REF. NO.	PART NO.	DESCRIPTION	NSA	NSA2	NSA7		REMARKS
1	97513-08545	BOLT, WITH WASHER	3	3	3		
2	90179-08003	NUT	1	1	1		
3	6GR-81925-00	TERMINAL	1	1	1		
4	6GR-81916-00	COVER, TERMINAL	1	1	1		
5	95D95-08020	BOLT, FLANGE DEEP RECESS	2	2	2		
6	95D95-08016	BOLT, FLANGE DEEP RECESS	3	3	3		
7	6GR-81929-00-9S	BRACKET, TERMINAL	1	1	1		
8	93210-27370	O-RING	1	1	1		
9	95D95-06025	BOLT, FLANGE DEEP RECESS	3	3	3		
10	6GR-82117-00	WIRE, LEAD	1	1	1		
11	6GR-82119-10	.COVER, LEAD WIRE	1	1	1		
12	6AW-82119-10	.COVER, LEAD WIRE	1	1	1		
13	6GR-762W0-00	WIRE HARNESS KIT	1	1	1		ASK TO MARINE DIV
14	6GR-81949-00	.WIRE, LEAD	1	1	1		
15	6P2-81923-00	.WASHER	1	1	1		
16	95D95-08016	.BOLT, FLANGE DEEP RECESS	1	1	1		
17	6GR-82105-01	WIRE HARNESS	1	1	1		AP
18	6AW-82119-00	.COVER, LEAD WIRE	1	1	1		
19	6AW-82119-20	.COVER, LEAD WIRE	1	1	1		
20	95D95-08016	BOLT, FLANGE DEEP RECESS	3	3	3		AP

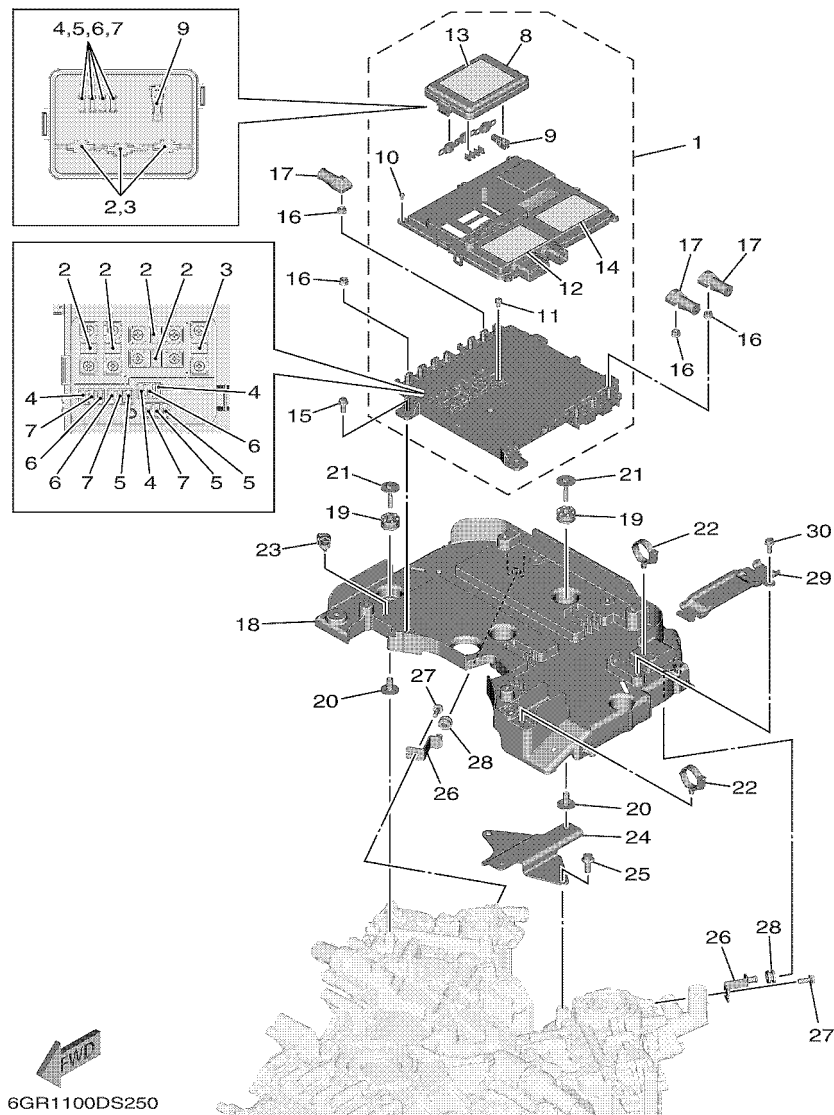


FIG. 25 ELECTRICAL 4

REF. NO.	PART NO.	DESCRIPTION	NSA	NSA2	NSA7	REMARKS
1	6GR-W85AA-00	ELECTRIC POWER MANAGEMENT UNIT	1	1	1	
2	6GR-82151-10	.FUSE (70A)	6	6	6	
3	6GR-82151-00	.FUSE (100A)	2	2	2	
4	6CB-82151-00	.FUSE (10A)	4	4	4	
5	6CB-82151-10	.FUSE (15A)	4	4	4	
6	6CB-82151-20	.FUSE (20A)	4	4	4	
7	6CB-82151-30	.FUSE (30A)	4	4	4	
8	6GR-85544-00	.CASE	1	1	1	
9	6CB-2812A-00	.PULLER, FUSE	1	1	1	
10	6P2-82113-00	.SCREW (M3)	7	7	7	
11	68F-82846-00	.SCREW, PAN HEAD (M5)	10	10	10	
12	6GR-81919-00	.GRAPHIC, REGULATOR	1	1	1	
13	6GR-81919-10	.GRAPHIC, REGULATOR	1	1	1	
14	6GR-81919-20	.GRAPHIC, REGULATOR	1	1	1	
15	95D95-06016	BOLT, FLANGE DEEP RECESS	4	4	4	
16	95780-06500	NUT, FLANGE	10	10	10	
17	6GR-82119-00	COVER, LEAD WIRE	3	3	3	
18	6GR-82589-00	PROTECTOR, WIRE HARNESS	1	1	1	
19	68F-85516-01	SPACER	4	4	4	
20	90387-06176	COLLAR	4	4	4	
21	68F-85119-00	BOLT	4	4	4	
22	90464-30001	CLAMP	2	2	2	
23	90464-13249	CLAMP	1	1	1	
24	6GR-82171-00	STAY, FUSE BOX	1	1	1	
25	95D95-08020	BOLT, FLANGE DEEP RECESS	2	2	2	
26	6GR-8272U-00	PLATE, JOINT	2	2	2	
27	95D95-06016	BOLT, FLANGE DEEP RECESS	2	2	2	

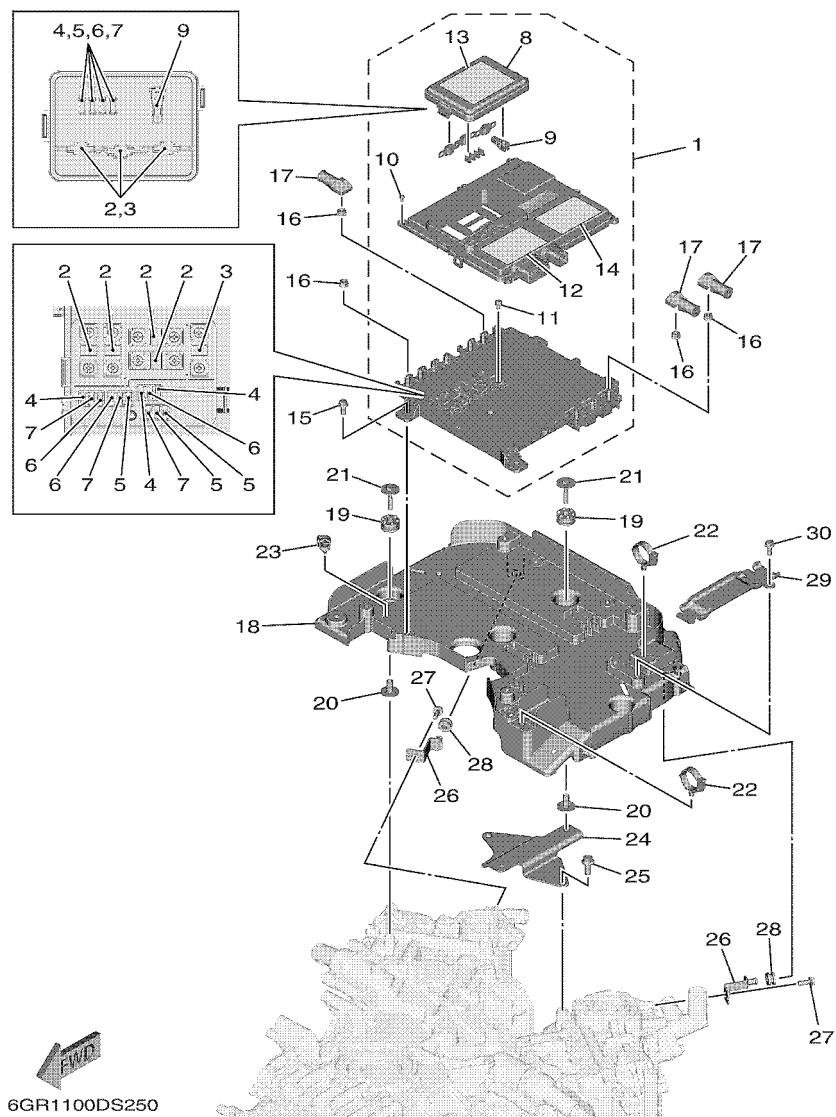


FIG. 25 ELECTRICAL 4

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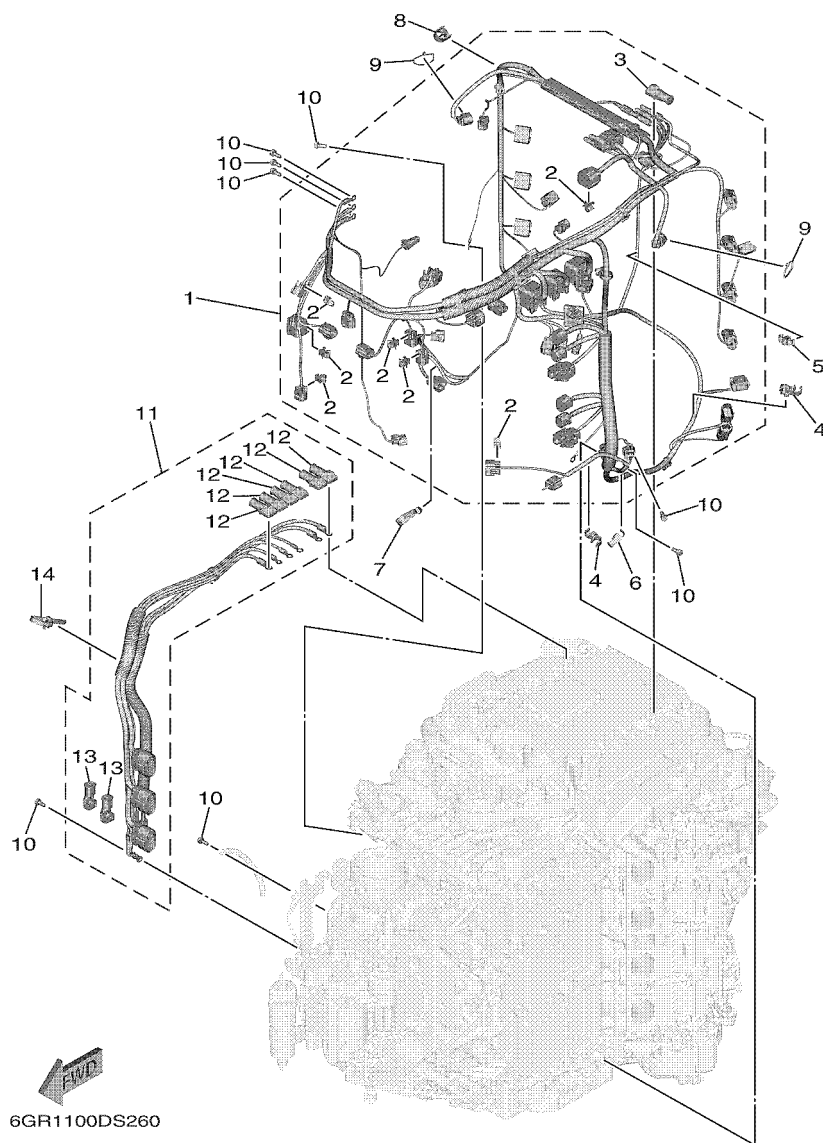


FIG. 26 ELECTRICAL 5

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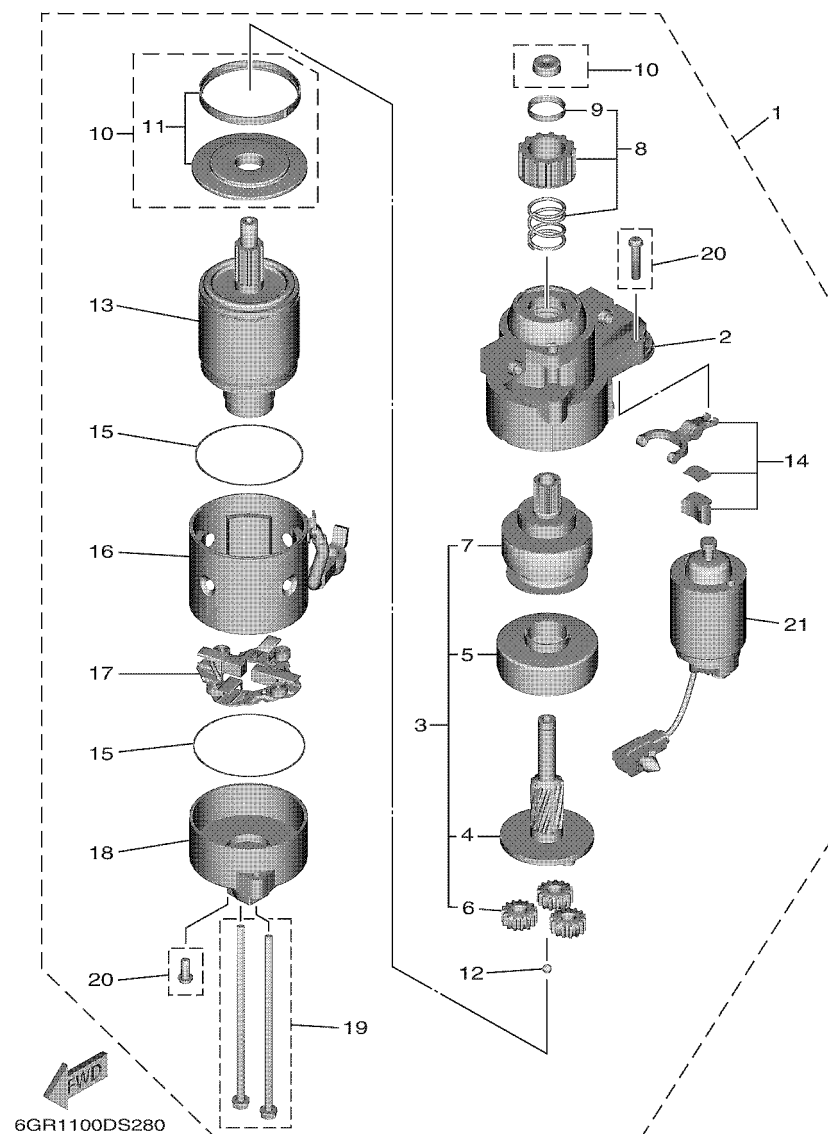


FIG. 28 STARTING MOTOR

REF. NO.	PART NO.	DESCRIPTION	NSA	NSA2	NSA7	REMARKS
1	6AW-81800-00	STARTING MOTOR ASSY	1	1	1	
2	6AW-81830-00	.FRONT BRACKET ASSY	1	1	1	
3	6AW-81807-00	.GEAR ASSY, STARTING MOTOR	1	1	1	
4	6AW-81836-00	..SHAFT, PINION	1	1	1	
5	6AW-81891-00	..GEAR, RING	1	1	1	
6	6AW-8183T-00	..GEAR, IDLER	3	3	3	
7	6AW-81832-00	..CLUTCH, OVER RUN	1	1	1	
8	6AW-81808-00	.PINION ASSY	1	1	1	
9	6AW-81857-00	..PINION STOPPER SET	1	1	1	
10	6AW-81862-00	.CAP	1	1	1	
11	6AW-8183R-00	..PACKING SET	1	1	1	
12	6AW-81854-00	.BALL, STEEL	1	1	1	
13	6AW-81850-00	.ARMATURE ASSY	1	1	1	
14	6AW-81839-00	.LEVER ASSY	1	1	1	
15	6AW-81842-00	.PACKING	2	2	2	
16	6AW-81810-00	.STATOR ASSY	1	1	1	
17	6AW-81840-00	.BRUSH HOLDER ASSY	1	1	1	
18	6AW-81820-00	.REAR BRACKET ASSY	1	1	1	
19	6AW-81826-00	.BOLT	1	1	1	
20	6AW-81846-00	.SCREW	1	1	1	
21	6AW-81941-00	.STARTER RELAY ASSY	1	1	1	

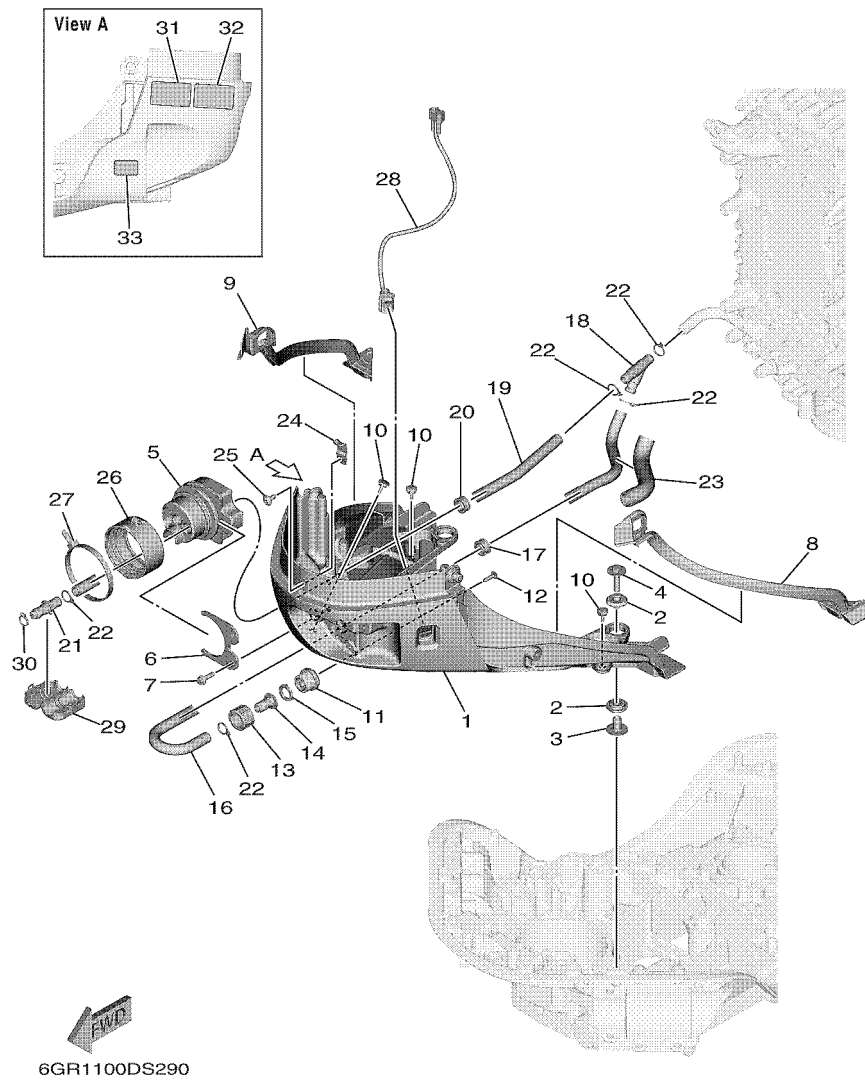
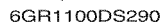


FIG. 29 BOTTOM COWLING 1

REF. NO.	PART NO.	DESCRIPTION	NSA	NSA2	NSA7		REMARKS
1	6GR-42711-00-8D	COWLING, BOTTOM 1	1				GRAY
	6GR-42711-00-CE	COWLING, BOTTOM 1		1	1		WHITE
2	90480-22M81	GROMMET	4	4	4		
3	90387-08M37	COLLAR	2	2	2		
4	90119-08M22	BOLT, WITH WASHER	2	2	2		
5	6GR-42725-00	GROMMET	1	1	1		
6	6GR-42761-00	STOPPER	1	1	1		
7	95D95-06020	BOLT, FLANGE DEEP RECESS	2	2	2		
8	6GR-42717-00	RUBBER, SEAL 2	1	1	1		
9	6GR-42718-00	RUBBER, SEAL 3	1	1	1		
10	6H4-42748-00	GROMMET	3	3	3		
11	6R3-12572-00	ADAPTER	1	1	1		
12	90169-05M00	SCREW, TRUSS HEAD TAPPING	1	1	1		
13	6R3-12581-00	JOINT, HOSE 1	1	1	1		
14	6GR-12582-00	JOINT, HOSE 2	1	1	1		
15	6R3-12583-00	GASKET, HOSE JOINT	1	1	1		
16	6GR-12577-00	HOSE 2	1	1	1		
17	90480-20M05	GROMMET	1	1	1		
18	6GR-24378-00	PIPE, JOINT 3	1	1	1		
19	90445-16025	HOSE (L290)	1	1	1		
20	90480-20M05	GROMMET	1	1	1		
21	6GR-83558-00	END, NIPPLE	1	1	1		
22	90465-11M10	CLAMP	5	5	5		
23	90445-23003	HOSE (L150)	1	1	1		
24	6GR-44554-00	PLATE	1	1	1		
25	90111-06144	BOLT,HEX. SOCKET BUTTON	1	1	1		
26	6GR-42753-00	FASTNER	1	1	1		AP

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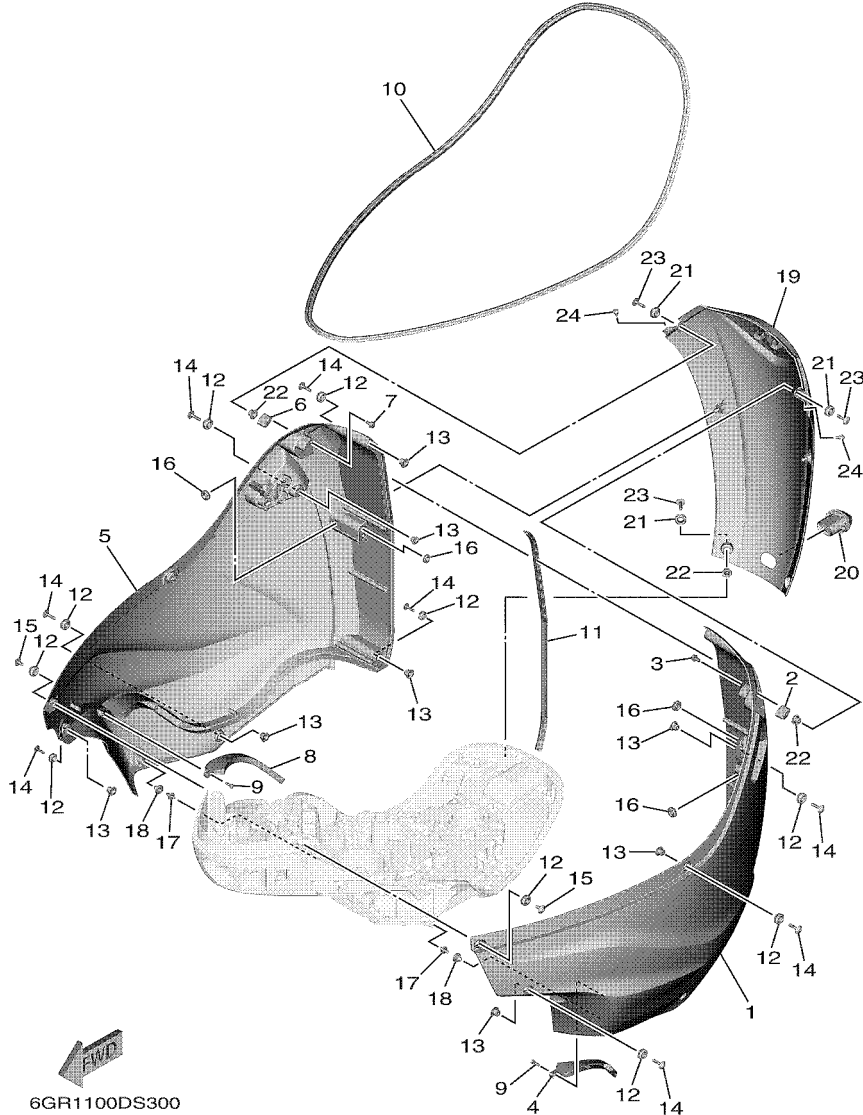


FIG. 30 BOTTOM COWLING 2

REF. NO.	PART NO.	DESCRIPTION	NSA	NSA2	NSA7	REMARKS
1	6GR-42712-00-8D	COWLING, BOTTOM 2	1			GRAY
	6GR-42712-00-CE	COWLING, BOTTOM 2		1		WHITE
	6GR-42712-00	COWLING, BOTTOM 2			1	
2	6GR-42744-00	STAY	1	1	1	
3	95D95-06012	BOLT, FLANGE DEEP RECESS	2	2	2	
4	6GR-42622-00	DAMPER	1	1	1	
5	6GR-42713-00-8D	COWLING, BOTTOM 3	1			GRAY
	6GR-42713-00-CE	COWLING, BOTTOM 3		1		WHITE
	6GR-42713-00	COWLING, BOTTOM 3			1	
6	6GR-42744-00	STAY	1	1	1	
7	95D95-06012	BOLT, FLANGE DEEP RECESS	2	2	2	
8	6GR-42623-00	SIDE, MOLE COWLING 2	1	1	1	
9	90167-05017	SCREW, TAPPING	4	4	4	
10	6GR-42615-00	SEAL	1	1	1	
11	6GR-42769-00	SEAL, RUBBER	1	1	1	
12	90480-16015	GROMMET	14	14	14	
13	6GR-42758-00	COLLAR	12	12	12	
14	90111-06175	BOLT,HEX. SOCKET BUTTON	12	12	12	
15	90111-06176	BOLT,HEX. SOCKET BUTTON	2	2	2	
16	90480-13034	GROMMET	4	4	4	
17	69J-42774-10	STAY, APRON 1	2	2	2	
18	6GR-42768-00	DAMPER	2	2	2	
19	6GR-42625-00-8D	PANEL, REAR	1			GRAY
	6GR-42625-00-CE	PANEL, REAR		1		WHITE
	6GR-42625-00	PANEL, REAR			1	
20	6GR-42748-00	GROMMET	1	1	1	
21	90480-16015	GROMMET	4	4	4	

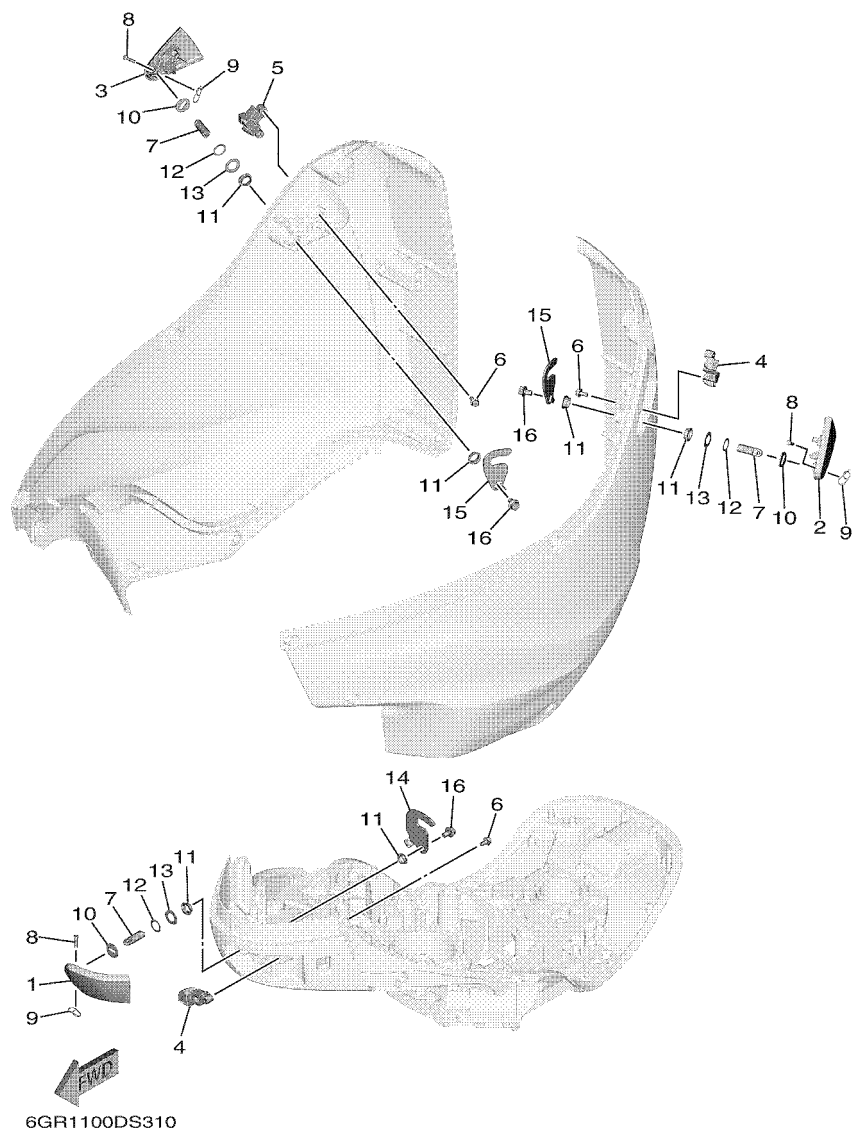


FIG. 31 BOTTOM COWLING 3

REF. NO.	PART NO.	DESCRIPTION	NSA	NSA2	NSA7	REMARKS
1	6GR-42815-00-8D	LEVER, CLAMP 1	1			GRAY
	6GR-42815-00-CE	LEVER, CLAMP 1		1		WHITE
	6GR-42815-00	LEVER, CLAMP 1			1	
2	6GR-42816-00-8D	LEVER, CLAMP 2	1			GRAY
	6GR-42816-00-CE	LEVER, CLAMP 2		1		WHITE
	6GR-42816-00	LEVER, CLAMP 2			1	
3	6GR-42817-00-8D	LEVER, CLAMP 3	1			GRAY
	6GR-42817-00-CE	LEVER, CLAMP 3		1		WHITE
	6GR-42817-00	LEVER, CLAMP 3			1	
4	6GR-42828-00	PLATE, CLAMP	2	2	2	
5	6GR-42829-00	PLATE, CLAMP 2	1	1	1	
6	95D95-06012	BOLT, FLANGE DEEP RECESS	6	6	6	
7	6GR-42835-00	PIN, SET 1	3	3	3	
8	90240-05002	PIN, CLEVIS	3	3	3	
9	68T-42835-00	PIN, SET 1	3	3	3	
10	6GR-42833-00	WASHER, PLAIN	3	3	3	
11	90386-15M73	BUSH	6	6	6	
12	90206-15M18	WASHER, WAVE	3	3	3	
13	90201-156J2	WASHER, PLATE	3	3	3	
14	6GR-42818-00	LEVER, CLAMP 4	1	1	1	
15	6GR-42819-00	LEVER, CLAMP 5	2	2	2	
16	95D95-08012	BOLT, FLANGE DEEP RECESS	3	3	3	

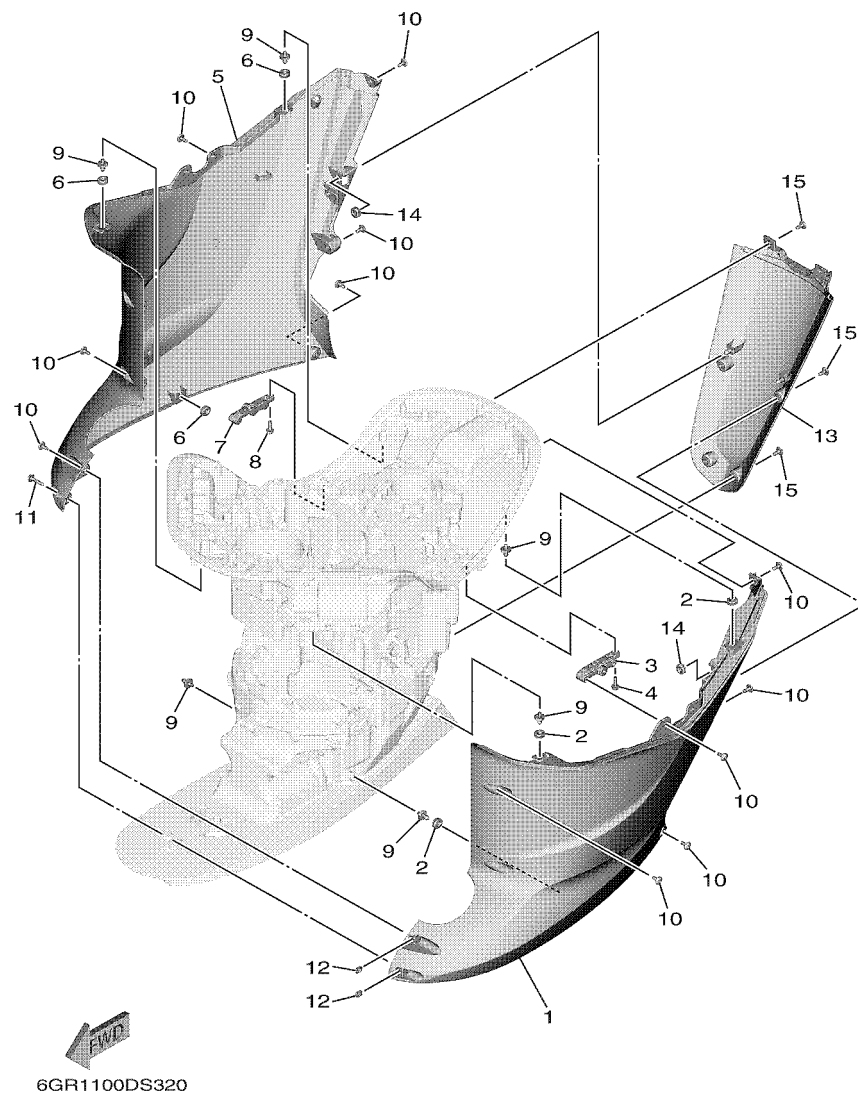


FIG. 32 BOTTOM COWLING 4

REF. NO.	PART NO.	DESCRIPTION	NSA	NSA2	NSA7	REMARKS
1	6GR-42740-00-8D	APRON COMPLETE 1	1			GRAY
	6GR-42740-00-CE	APRON COMPLETE 1		1		WHITE
	6GR-42740-00	APRON COMPLETE 1			1	
2	90480-14M17	GROMMET	3	3	3	
3	6GR-42774-00-CA	STAY, APRON 1	1	1	1	
4	95D95-06020	BOLT, FLANGE DEEP RECESS	2	2	2	
5	6GR-42770-00-8D	APRON COMPLETE 2	1			GRAY
	6GR-42770-00-CE	APRON COMPLETE 2		1		WHITE
	6GR-42770-00	APRON COMPLETE 2			1	
6	90480-14M17	GROMMET	3	3	3	
7	6GR-42775-00-CA	STAY, APRON 2	1	1	1	
8	95D95-06020	BOLT, FLANGE DEEP RECESS	2	2	2	
9	69J-42774-10	STAY, APRON 1	6	6	6	
10	90111-06144	BOLT,HEX. SOCKET BUTTON	15	15	15	
11	90111-06142	BOLT,HEX. SOCKET BUTTON	1	1	1	
12	90173-06001	NUT, SQUARE	2	2	2	
13	6GR-45141-00-8D	COVER, UPPER CASING	1			GRAY
	6GR-45141-00-CE	COVER, UPPER CASING		1		WHITE
	6GR-45141-00	COVER, UPPER CASING			1	
14	90480-14M17	GROMMET	2	2	2	
15	90111-06144	BOLT,HEX. SOCKET BUTTON	6	6	6	

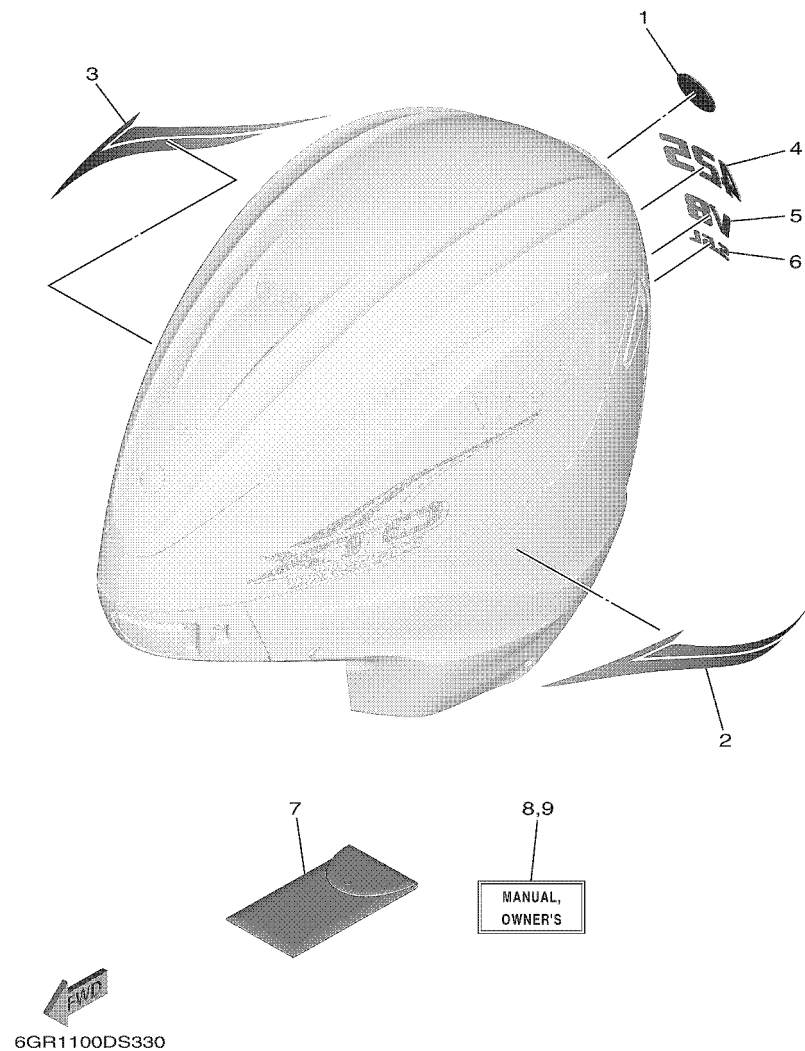


FIG. 33 GRAPHIC & TOOL

REF. NO.	PART NO.	DESCRIPTION	NSA	NSA2	NSA7		REMARKS
1	6AW-42697-10	TUNING FORK MARK	1	1			
2	6GR-42783-00	GRAPHIC, SIDE	1	1			
3	6GR-42784-00	GRAPHIC, SIDE	1	1			
4	6GR-4267A-10	GRAPHIC, REAR 2	1	1			
5	6GR-42678-00	GRAPHIC, REAR	1	1			
6	6GR-42682-00	MARK, COWLING	1	1			
7	6GR-28100-10	TOOL KIT	1	1	1		
8	6GR-28199-72-E0	MANUAL,OWNER'S	1	1	1		UR (E)
	6GR-28199-72-F0	MANUAL,OWNER'S	1	1	1		UR (F)
	6GR-28199-72-S0	MANUAL,OWNER'S	1	1	1		UR (ES)
	6GR-28199-72-G0	MANUAL,OWNER'S	1	1	1		UR (D)
	6GR-28199-72-D0	MANUAL,OWNER'S	1	1	1		UR (NL)
	6GR-28199-72-H0	MANUAL,OWNER'S	1	1	1		UR (I)
9	6GR-28199-82-K0	MANUAL,OWNER'S	1	1	1		UR (DK)
	6GR-28199-82-R0	MANUAL,OWNER'S	1	1	1		UR (GR)
	6GR-28199-82-P0	MANUAL,OWNER'S	1	1	1		UR (P)
	6GR-28199-82-N0	MANUAL,OWNER'S	1	1	1		UR (N)
	6GR-28199-82-M0	MANUAL,OWNER'S	1	1	1		UR (S)
	6GR-28199-82-L0	MANUAL,OWNER'S	1	1	1		UR (SF)

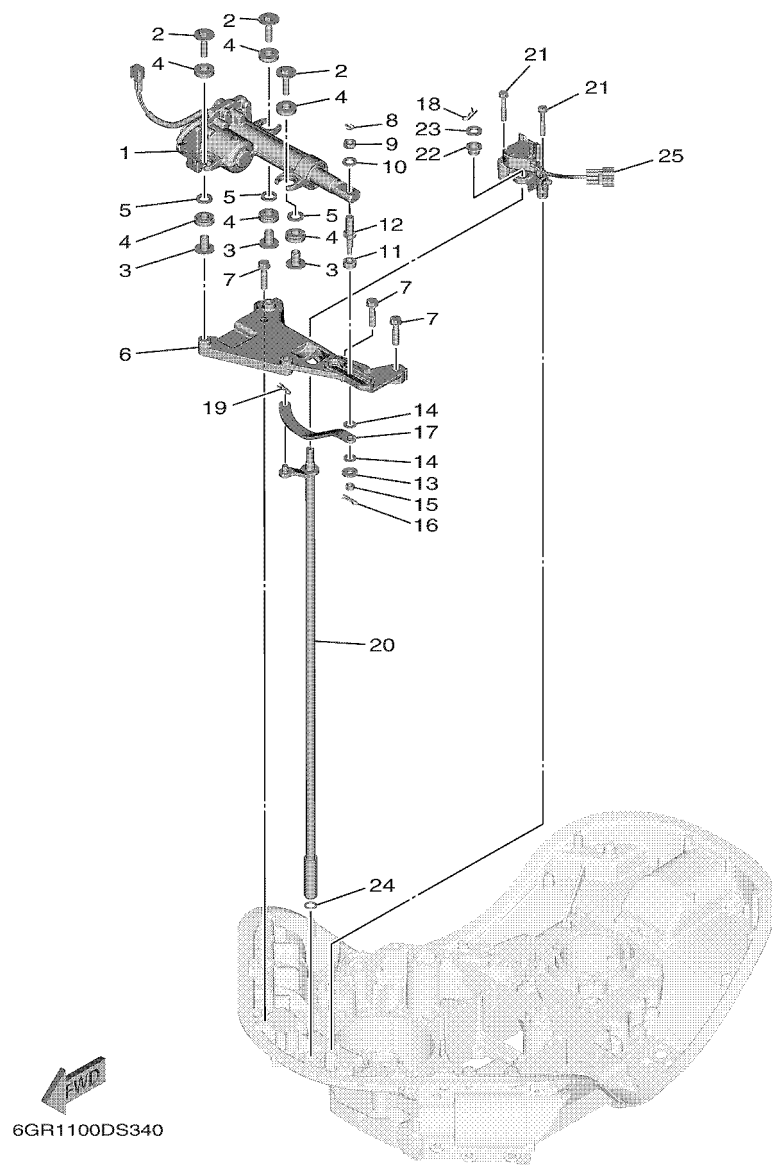


FIG. 34 CONTROL

REF. NO.	PART NO.	DESCRIPTION	NSA	NSA2	NSA7		REMARKS
1	6GR-4820A-00	ACTUATOR UNIT	1	1	1		
2	90119-08175	BOLT, WITH WASHER	3	3	3		
3	90387-08104	COLLAR	3	3	3		
4	6CE-85564-00	GROMMET	6	6	6		
5	90201-12064	WASHER, PLATE	3	3	3		
6	6GR-44117-00	BRACKET	1	1	1		
7	97E75-08535	BOLT, HEXAGON W/W DEEP RECESS	3	3	3		
8	91490-20015	PIN. COTTER	1	1	1		
9	95380-10700	NUT	1	1	1		
10	90201-10048	WASHER, PLATE	1	1	1		
11	6CE-44122-00	BUSHING, SHIFT ROD LEVER	1	1	1		
12	6GR-42195-00	PIN, JOINT 1	1	1	1		
13	90201-06068	WASHER, PLATE	1	1	1		
14	90202-08M41	WASHER, PLATE	2	2	2		
15	90185-06M07	NUT, SELF-LOCKING	1	1	1		
16	90468-18008	CLIP	1	1	1		
17	6GR-44121-00	LEVER, SHIFT ROD	1	1	1		
18	90468-180A0	CLIP	1	1	1		
19	90468-18008	CLIP	1	1	1		
20	6GR-44120-00	HANDLE GEAR SHIFT ASSY	1	1	1		
21	97E95-06540	BOLT, HEXAGON W/W DEEP RECESS	2	2	2		
22	90386-12M61	BUSH	1	1	1		
23	90201-10M63	WASHER, PLATE	1	1	1		
24	93210-11073	O-RING	1	1	1		
25	6GR-68303-00	SENSOR ASSY	1	1	1		

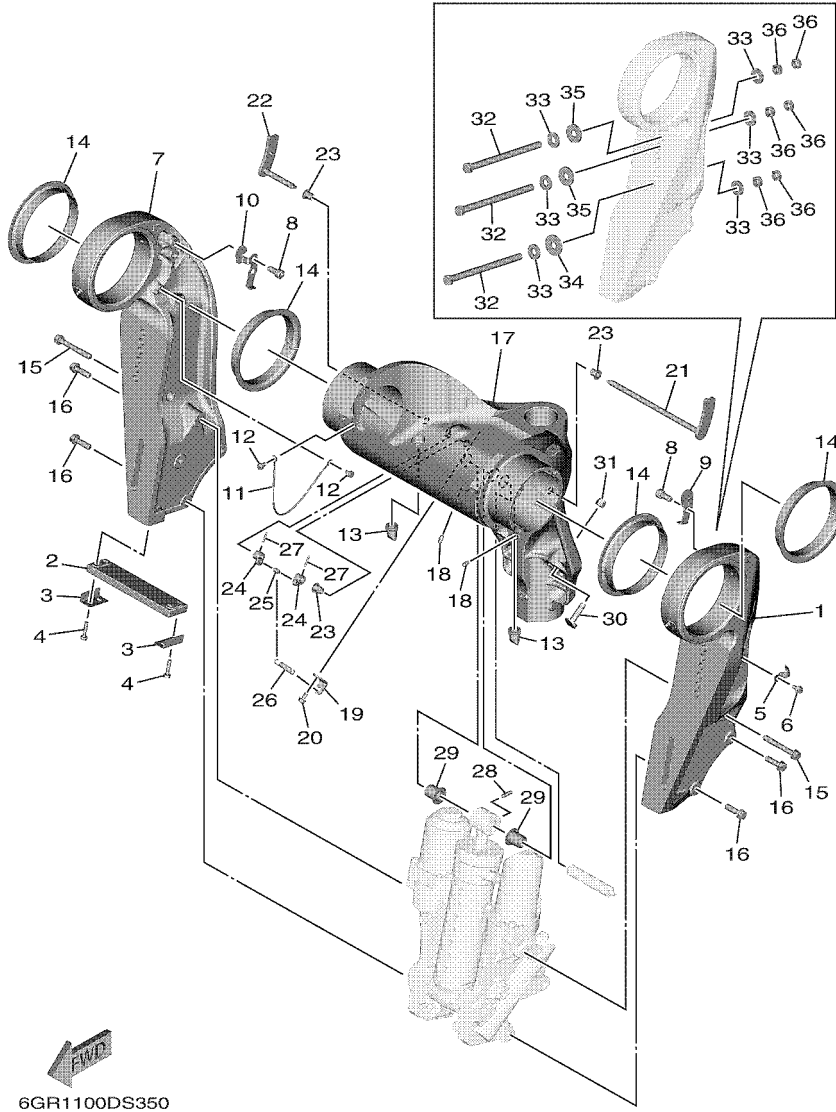


FIG. 35 BRACKET 1

REF. NO.	PART NO.	DESCRIPTION	NSA	NSA2	NSA7	REMARKS
1	6GR-4311A-00-8D	BRACKET, CLAMP 1, W/NIPPLE	1			GRAY
	6GR-4311A-00-CE	BRACKET, CLAMP 1, W/NIPPLE		1	1	WHITE
2	6AW-45251-00	ANODE	1	1	1	
3	6G5-44526-00	PLATE	2	2	2	
4	97E95-06530	BOLT, HEXAGON W/W DEEP RECESS	4	4	4	
5	90465-08M63	CLAMP	1	1	1	
6	95D95-06012	BOLT, FLANGE DEEP RECESS	1	1	1	
7	6GR-4311B-00-8D	BRACKET, CLAMP 2, W/NIPPLE	1			GRAY
	6GR-4311B-00-CE	BRACKET, CLAMP 2, W/NIPPLE		1	1	WHITE
8	91380-10020	BOLT	4	4	4	
9	6GR-4381E-00	BRACKET	1	1	1	
10	6GR-4381F-00	BRACKET	1	1	1	
11	6GR-82147-00	WIRE, LEAD 5	1	1	1	
12	97E95-06510	BOLT, HEXAGON W/W DEEP RECESS	2	2	2	
13	61A-42717-00	RUBBER, SEAL 2	2	2	2	
14	6GR-43333-00	BUSH. , SWIVEL BRACKET	4	4	4	
15	90119-10064	BOLT, WITH WASHER	2	2	2	
16	90119-10040	BOLT, WITH WASHER	6	6	6	
17	6GR-43311-00-8D	BRACKET, SWIVEL 1	1			GRAY
	6GR-43311-00-CE	BRACKET, SWIVEL 1		1	1	WHITE
18	93700-06002	NIPPLE, GREASE	3	3	3	
19	6GR-43144-00	HOOK, SPRING	1	1	1	
20	95D95-06012	BOLT, FLANGE DEEP RECESS	1	1	1	
21	6GR-43181-00	LEVER, TILT STOP 1	1	1	1	
22	6GR-43185-00	LEVER, TILT STOP 2	1	1	1	
23	90386-10M16	BUSH	3	3	3	
24	6G5-43148-00	COLLAR, DISTANCE	2	2	2	

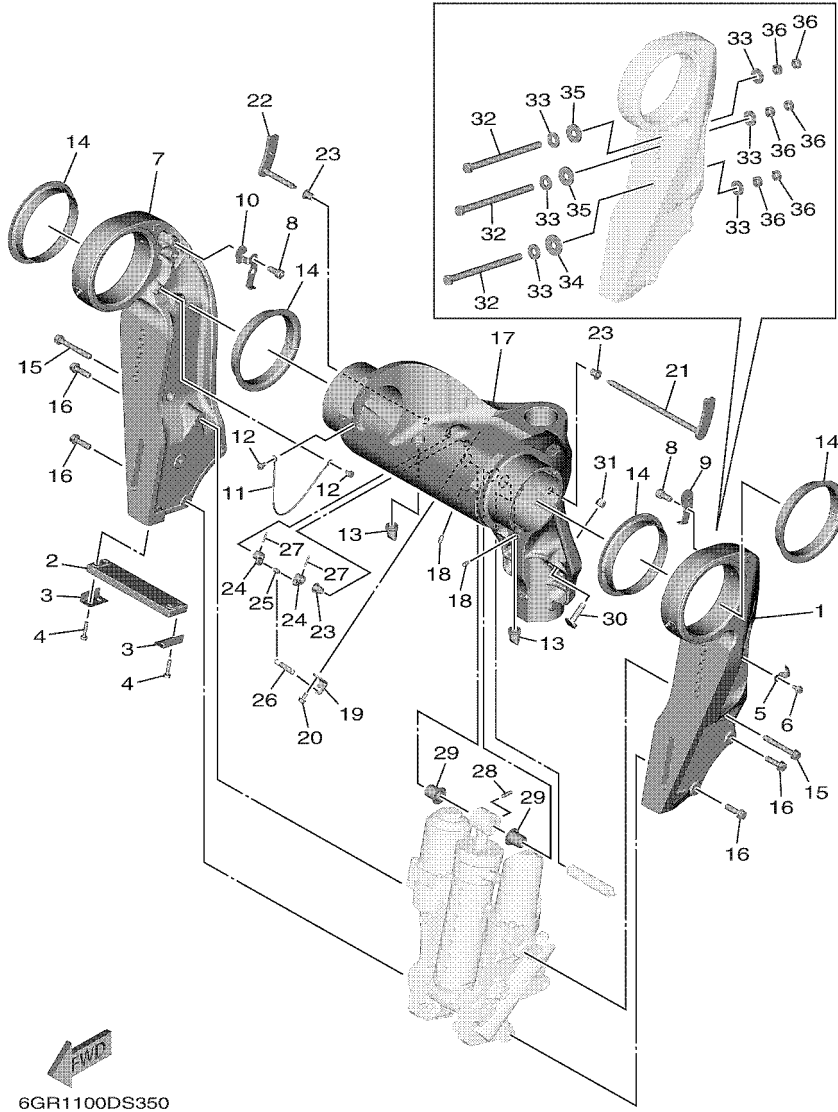


FIG. 35 BRACKET 1

REF. NO.	PART NO.	DESCRIPTION	NSA	NSA2	NSA7	REMARKS
25	90249-06M19	PIN	1	1	1	
26	90506-16010	SPRING, TENSION	1	1	1	
27	91690-30020	PIN, SPRING	2	2	2	
28	91690-60022	PIN, SPRING	1	1	1	
29	90386-20002	BUSH	2	2	2	
30	6GR-43376-00	BOLT, THRUST RECEIVER	2	2	2	
31	95780-10300	NUT, FLANGE	2	2	2	
32	90101-12054	BOLT (180MM)	6	6	6	
	90101-12053	BOLT (110MM)	2	2	2	AP
	90101-12031	BOLT (150MM)	2	2	2	AP
	90101-12036	BOLT (170MM)	2	2	2	AP
	90101-12054	BOLT (180MM)	2	2	2	AP
	90101-12055	BOLT (200MM)	2	2	2	AP
	90101-12056	BOLT (210MM)	2	2	2	AP
	90101-12057	BOLT (230MM)	2	2	2	AP
33	90201-12060	WASHER, PLATE	12	12	12	
34	90201-12426	WASHER, PLATE	2	2	2	
35	90201-13M19	WASHER, PLATE	4	4	4	
36	95380-12600	NUT	12	12	12	

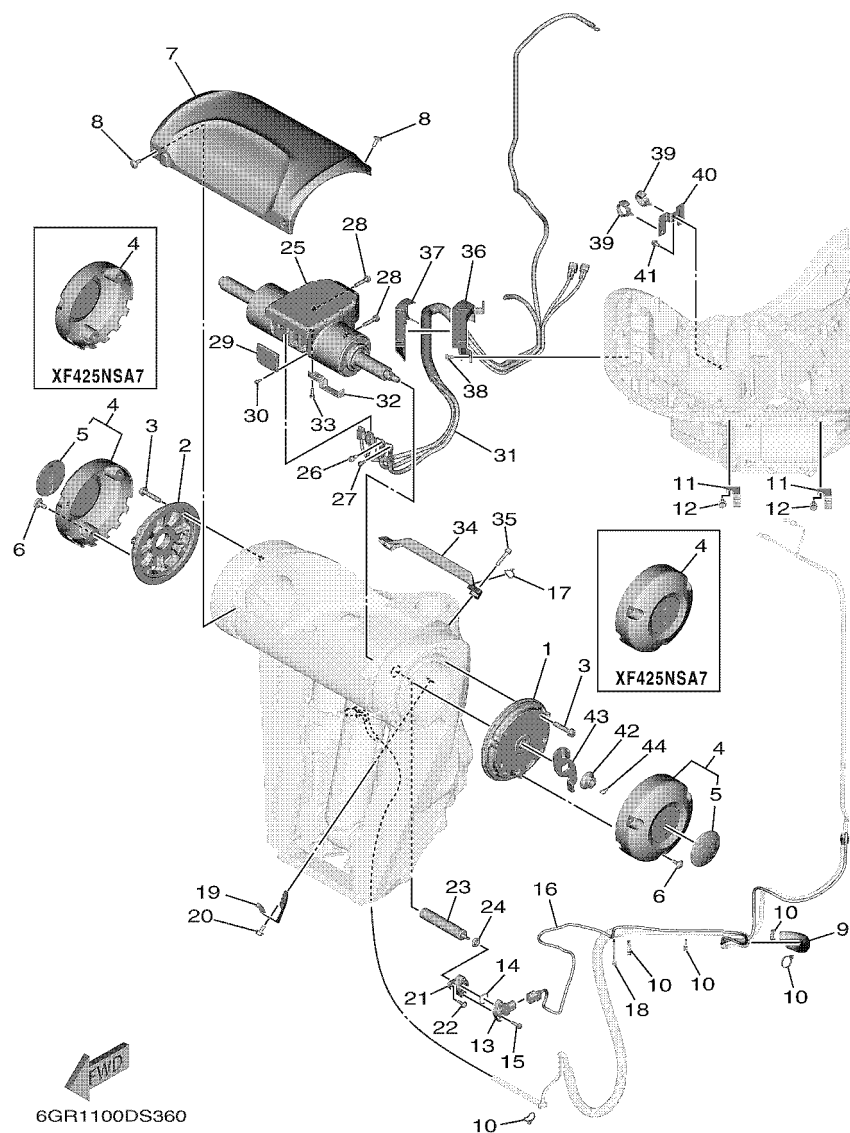


FIG. 36 BRACKET 2

REF. NO.	PART NO.	DESCRIPTION	NSA	NSA2	NSA7		REMARKS
1	6GR-43341-00	COVER, SWIVEL SODE 1	1	1	1		
2	6GR-43342-00	COVER, SWIVEL SODE 2	1	1	1		
3	90119-08176	BOLT, WITH WASHER	8	8	8		
4	6GR-W436G-00-8D	SBW SIDE COVER ASSY	2				GRAY
	6GR-W436G-00-CE	SBW SIDE COVER ASSY		2			WHITE
	6GR-43679-00	COVER			2		
5	6DA-42697-00	.TUNING FORK MARK	1	1			
6	90111-06144	BOLT,HEX. SOCKET BUTTON	6	6	6		
7	6GR-43318-00-8D	COVER	1				GRAY
	6GR-43318-00-CE	COVER		1			WHITE
	6GR-43318-00	COVER			1		
8	90111-06144	BOLT,HEX. SOCKET BUTTON	4	4	4		
9	6GR-24864-00	TUBE	1	1	1		
10	90465-11M10	CLAMP	5	5	5		
11	90462-10033	CLAMP	2	2	2		
12	95D95-06012	BOLT, FLANGE DEEP RECESS	2	2	2		
13	6GR-85887-00	SENSOR ANGLE	1	1	1		
14	93210-17MF9	O-RING	1	1	1		
15	97595-05516	BOLT, WITH WASHER	2	2	2		
16	6GR-82553-00	EXTENSION, WIRE LEAD	1	1	1		
17	90465-11M10	CLAMP	1	1	1		
18	90464-55002	CLAMP	1	1	1		
19	6GR-4381J-00	PLATE	1	1	1		
20	95D95-06012	BOLT, FLANGE DEEP RECESS	1	1	1		
21	6GR-4382A-00	ADAPTOR 1	1	1	1		
22	90149-05044	SCREW	2	2	2		
23	6GR-43126-00	PIN, UPPER SHOCK MOUNT	1	1	1		

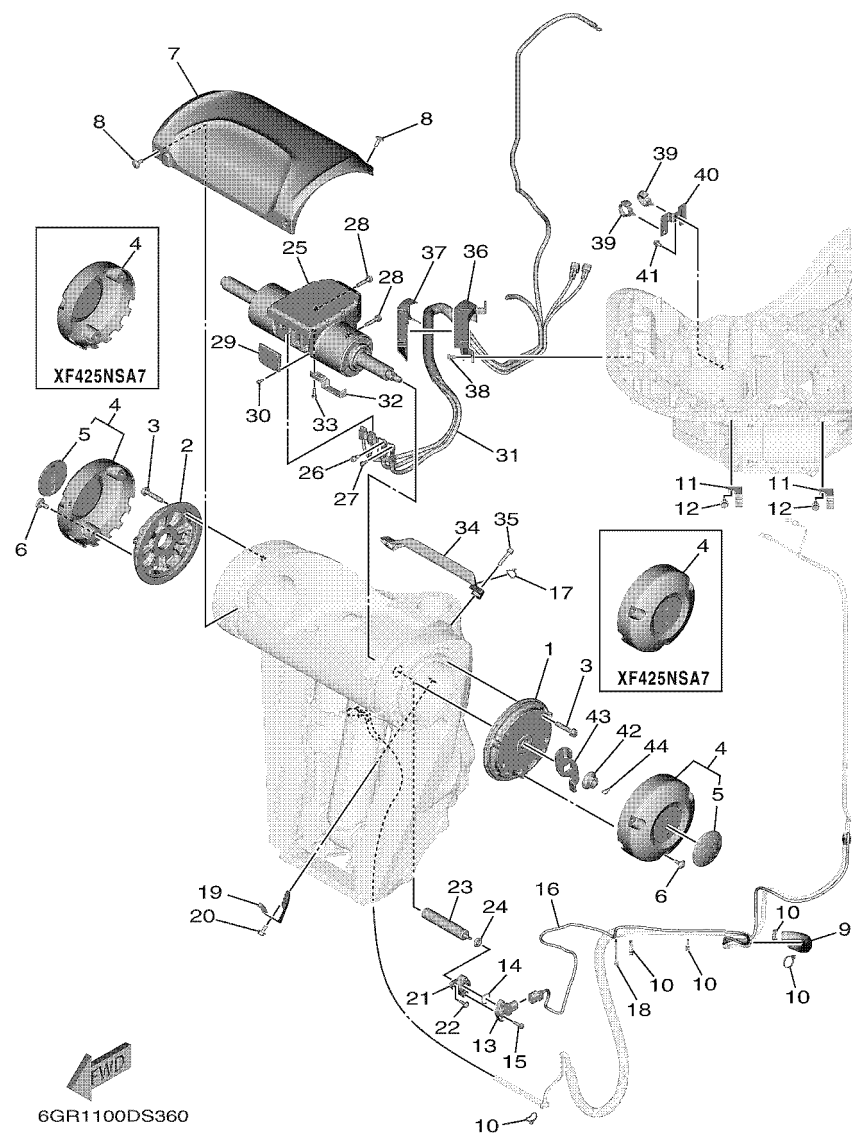


FIG. 36 BRACKET 2

REF. NO.	PART NO.	DESCRIPTION	NSA	NSA2	NSA7		REMARKS
24	93210-06ME6	O-RING	1	1	1		
25	6GR-42401-00	POWER STEERING CYLINDER ASSY	1	1	1		
26	6GR-44331-00	BOLT, 1	1	1	1		
27	6GR-44332-00	BOLT, 2	1	1	1		
28	97580-08535	BOLT, WITH WASHER	4	4	4		
29	6GR-42134-00	COVER	1	1	1		
30	91380-04010	BOLT	4	4	4		
31	6GR-438A0-01	STEERING, WIRE HARNESS ASSY	1	1	1		
32	6GR-48538-00	CLAMP, CABLE 1	1	1	1		
33	97D95-06018	BOLT, HEXAGON DEEP RECESS	2	2	2		
34	6GR-47716-00	COVER	1	1	1		
35	90110-06191	BOLT, HEXAGON SOCKET HEAD	2	2	2		
36	6GR-43121-00	PROTECTOR	1	1	1		
37	6GR-47445-00	PROTECTOR	1	1	1		
38	95D95-06012	BOLT, FLANGE DEEP RECESS	2	2	2		
39	90464-12183	CLAMP	2	2	2		
40	6GR-48539-00	CLAMP, CABLE 2	1	1	1		
41	95D95-06012	BOLT, FLANGE DEEP RECESS	1	1	1		
42	90179-14007	NUT	1	1	1		
43	6GR-43378-00	WASHER	1	1	1		
44	91490-20025	PIN. COTTER	1	1	1		

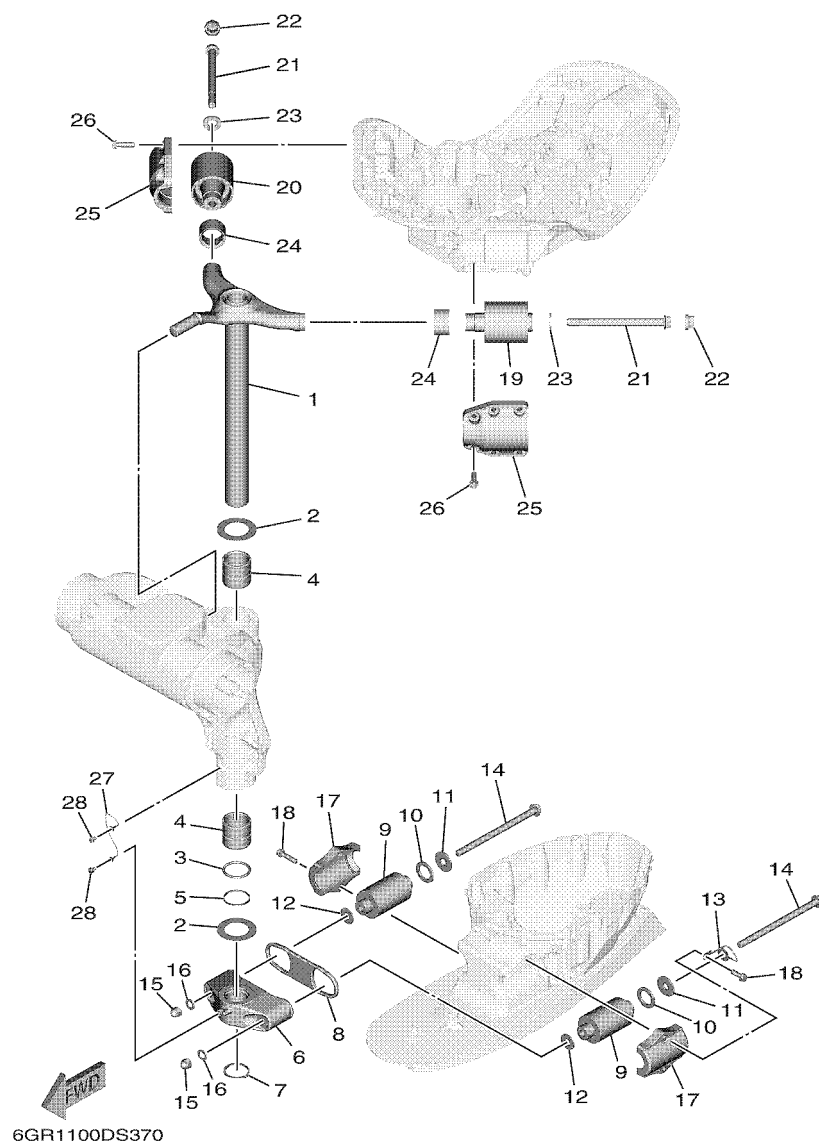


FIG. 37 BRACKET 3

REF. NO.	PART NO.	DESCRIPTION	NSA	NSA2	NSA7		REMARKS
1	6GR-42510-00-8D	STEERING BRACKET ASSY	1	1	1		
2	90201-51014	WASHER, PLATE	2	2	2		
3	93210-49003	O-RING	1	1	1		
4	90386-49001	BUSH	2	2	2		
5	90202-51001	WASHER, PLATE	1	1	1		
6	6GR-44551-00-CA	HOUSING, LOWER MOUNT RUBBER 1	1	1	1		
7	93410-46099	CIRCLIP	1	1	1		
8	6GR-44575-00	DAMPER, LOWER MOUNT RUBBER	1	1	1		
9	6AW-44555-00	MOUNT DAMPER, LOWER SIDE	2	2	2		
10	90202-32M19	WASHER, PLATE	2	2	2		
11	90201-16M55	WASHER, PLATE	2	2	2		
12	90201-15M58	WASHER, PLATE	2	2	2		
13	6GR-82149-00	WIRE, LEAD 3	1	1	1		
14	90105-14012	BOLT, FLANGE	2	2	2		
15	95380-14800	NUT	2	2	2		
16	92995-14600	WASHER	2	2	2		
17	6AW-44552-00-CA	HOUSING, LOWER MOUNT RUBBER 2	2	2	2		
18	90119-10024	BOLT, WITH WASHER	4	4	4		
19	6GR-44514-00	MOUNT DAMPER, UPPER SIDE	1	1	1		
20	6GR-44515-00	MOUNT RUBBER, UPPER SIDE	1	1	1		
21	90105-16004	BOLT, FLANGE	2	2	2		
22	6GR-44194-00	CAP	2	2	2		
23	90201-18030	WASHER, PLATE	2	2	2		
24	6GR-44533-00	DAMPER, UPPER MOUNT RUBBER	2	2	2		
25	6GR-44511-00-CA	COVER, UPPER MOUNT	2	2	2		
26	90119-10058	BOLT, WITH WASHER	12	12	12		
27	6T4-82117-00	WIRE, LEAD	1	1	1		

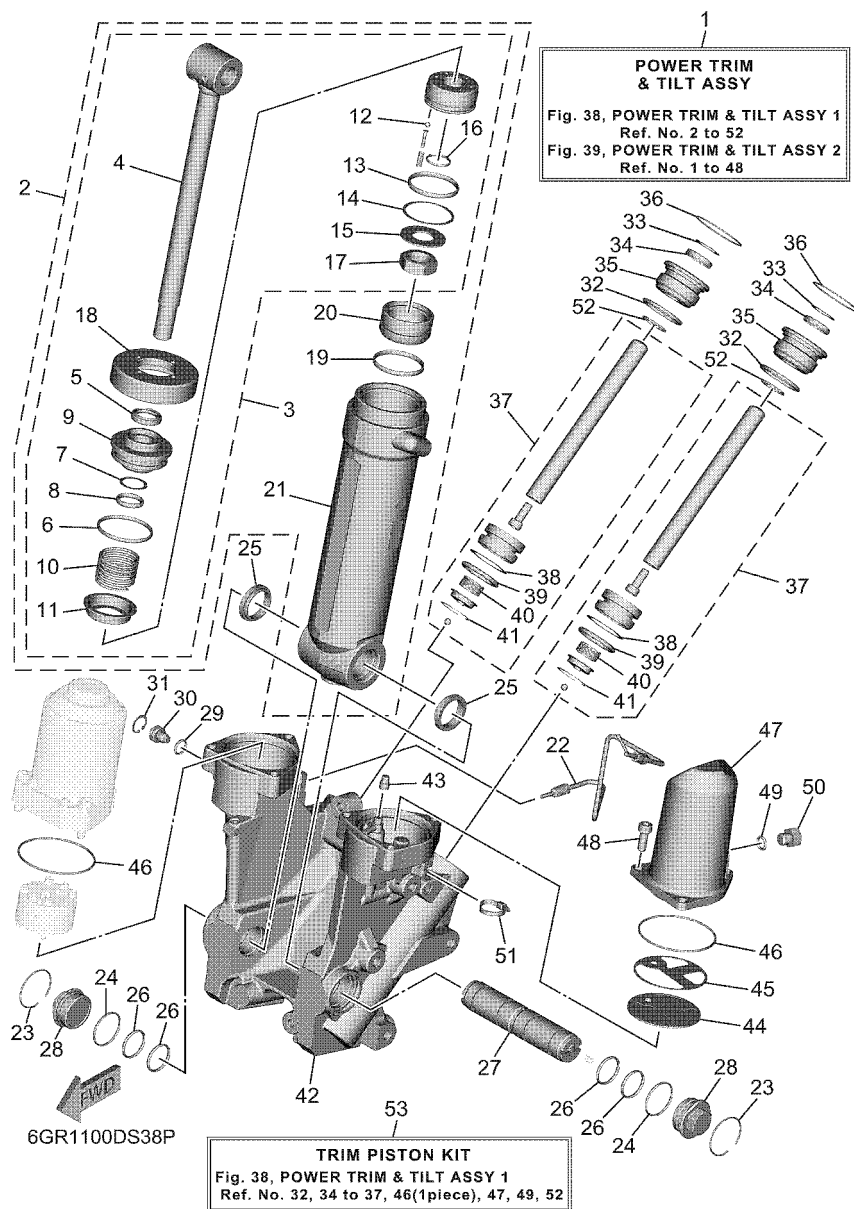


FIG. 38 POWER TRIM & TILT ASSY 1

REF. NO.	PART NO.	DESCRIPTION	NSA	NSA2	NSA7	REMARKS
1	6GR-43800-09	POWER TRIM & TILT ASSY	1	1	1	
	6GR-43800-07	POWER TRIM & TILT ASSY	1	1	1	
2	6GR-43840-00	POWER TILT ASSY	1	1	1	
3	6GR-43810-00	.TILT PISTON SUB ASSY	1	1	1	
4	6GR-43801-00	..ROD	1	1	1	
5	6GR-43812-00	..SEAL, DUST	1	1	1	
6	93210-49046	..O-RING	1	1	1	
7	6GR-43872-00	..RING, BACK UP	1	1	1	
8	6GR-43863-00	..O-RING	1	1	1	
9	6GR-43811-00	..SCREW, CYLINDER END	1	1	1	
10	69J-4384H-00	..SPRING	1	1	1	
11	6GR-4382E-00	..ADAPTOR 2	1	1	1	
12	93505-32038	..BALL	4	4	4	
13	93210-44006	..O-RING	1	1	1	
14	6GR-43871-00	..RING, BACK UP	1	1	1	
15	90201-18029	..WASHER, PLATE	1	1	1	
16	93210-18397	..O-RING	1	1	1	
17	6GR-43654-00	..NUT 1	1	1	1	
18	6GR-43827-00	..RING SET	1	1	1	
19	93210-44006	.O-RING	1	1	1	
20	6GR-43814-00	.PISTON, FREE	1	1	1	
21	6GR-4380K-00	.CYLINDER, TILT SUB ASSY	1	1	1	
22	6GR-43835-00	PIPE	1	1	1	
23	93450-42110	CIRCLIP	2	2	2	
24	6GR-43862-00	O-RING	2	2	2	
25	6GR-4388F-00	SPACER	2	2	2	
26	6GR-43861-00	O-RING	4	4	4	

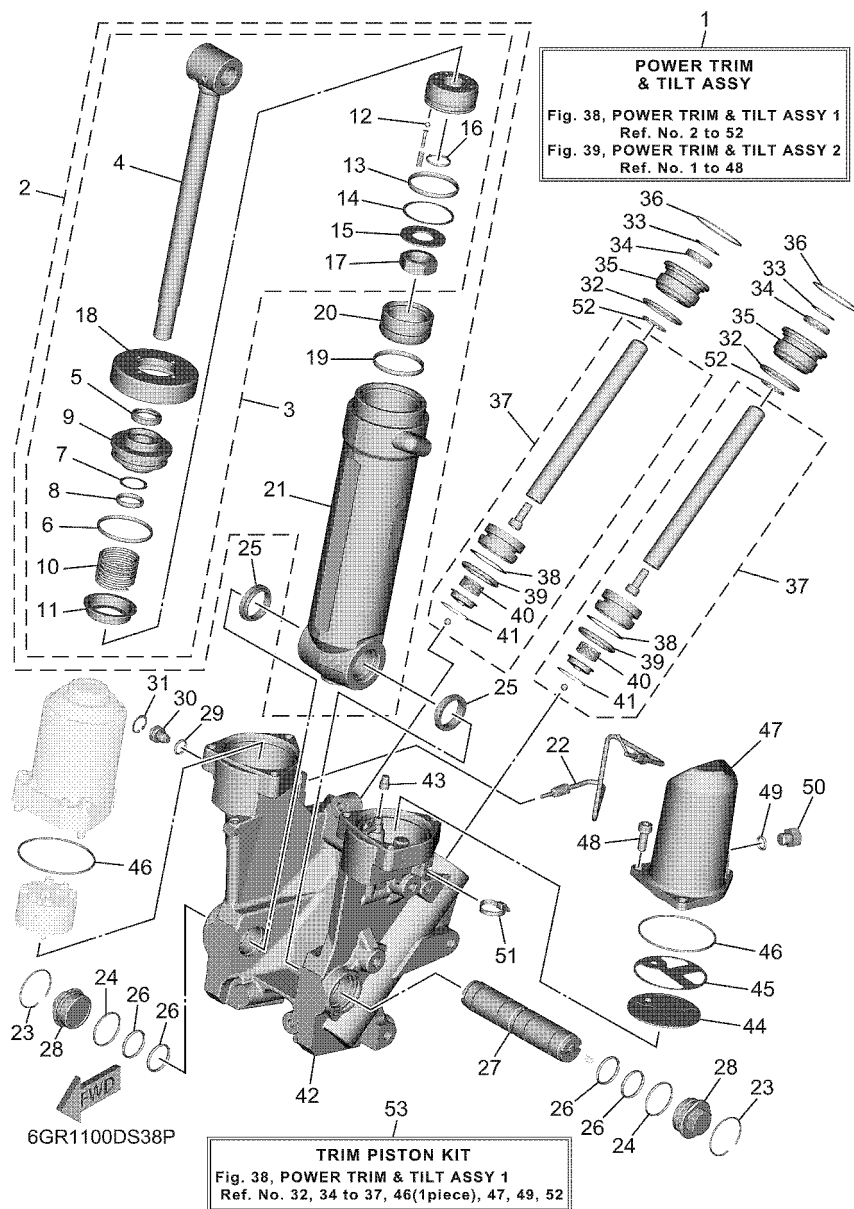


FIG. 38 POWER TRIM & TILT ASSY 1

REF. NO.	PART NO.	DESCRIPTION	NSA	NSA2	NSA7	REMARKS
27	6GR-43818-00	PIN, LOWER SHOCK MOUNT	1	1	1	
28	6GR-22472-00	CAP, CASE	2	2	2	
29	93210-12327	O-RING	1	1	1	
30	6GR-43845-00	SCREW, MANUAL RELEASE	1	1	1	
31	61A-43876-00	RING, SNAP	1	1	1	
32	61A-43861-00	O-RING	2	2	2	FOR 6GR-43800-09/07
33	6T4-43875-01	RING, SNAP	2	2	2	FOR 6GR-43800-09
34	69J-43822-00	SEAL, TRIM DUST	2	2	2	FOR 6GR-43800-09
	6KN-43812-00	SEAL, DUST	2	2	2	FOR 6GR-43800-07
35	61A-43821-01	SCREW, TRIM CYLINDER END	2	2	2	FOR 6GR-43800-09
	6KN-43821-00	SCREW, TRIM CYLINDER END	2	2	2	FOR 6GR-43800-07
36	93440-52N50	CIRCLIP	2	2	2	FOR 6GR-43800-09
	6KN-25415-00	CIRCLIP	2	2	2	FOR 6GR-43800-07
37	6GR-43820-00	TRIM PISTON SUB ASSY	2	2	2	FOR 6GR-43800-09
	6KN-43820-00	TRIM PISTON SUB ASSY	2	2	2	FOR 6GR-43800-07
38	61A-43874-00	.RING, BACK UP	1	1	1	
39	61A-43864-00	.O-RING	1	1	1	
40	61A-4384H-10	.SPRING	1	1	1	
41	61A-43875-10	.RING, SNAP	1	1	1	
42	6GR-4380L-00	HOUSING, TRIM & TILT SUB ASSY	1	1	1	FOR 6GR-43800-09
	6GR-4380L-03	HOUSING, TRIM & TILT SUB ASSY	1	1	1	FOR 6GR-43800-07
43	6GR-4388H-00	PLUG	1	1	1	
44	69J-43817-00	FILTER 2	1	1	1	
45	69J-4388F-00	SPACER	1	1	1	
46	93210-66001	O-RING	2	2	2	FOR 6GR-43800-09/07
47	6GR-43828-00	BODY, RESERVOIR	1	1	1	FOR 6GR-43800-09
	6KN-43828-00	BODY, RESERVOIR	1	1	1	FOR 6GR-43800-07

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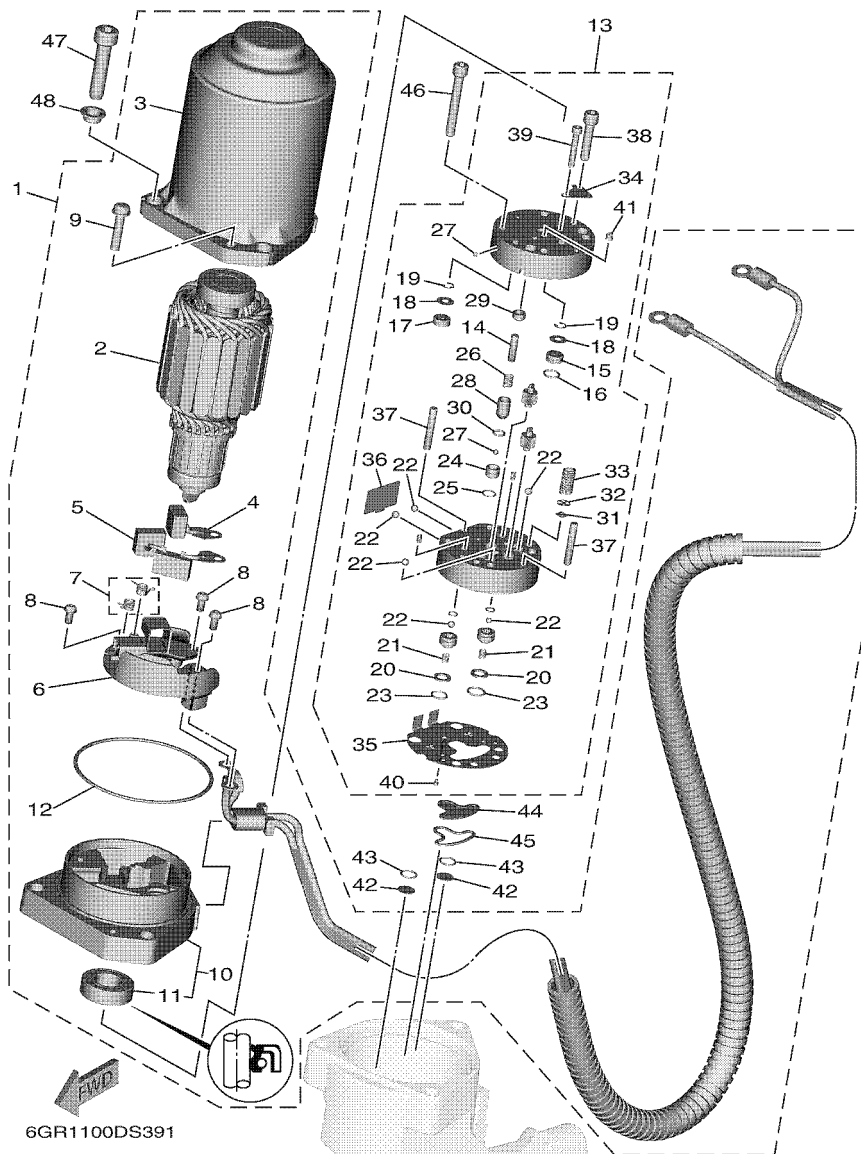


FIG. 39 POWER TRIM & TILT ASSY 2

REF. NO.	PART NO.	DESCRIPTION	NSA	NSA2	NSA7	REMARKS
1	6GR-43880-00	MOTOR ASSY	1	1	1	
2	6GR-43805-00	.ARMATURE ASSY	1	1	1	
3	6GR-43804-00	.STATOR ASSY	1	1	1	
4	6GR-43892-00	.BRUSH 2	1	1	1	
5	6GR-82181-00	.CIRCUIT BREAKER COMP.	1	1	1	
6	6GR-4380F-00	.PLATE, BRUSH HOLDER	1	1	1	
7	6GR-4386K-00	.SPRING, BRUSH	1	1	1	
8	97602-04310	.SCREW, PAN HEAD WITH WASHER	4	4	4	
9	67C-43879-10	.SCREW, WITH WASHER	2	2	2	
10	6GR-43881-00	.FRAME, END	1	1	1	
11	6GR-43882-00	..OIL SEAL	1	1	1	
12	6GR-43864-00	.O-RING	1	1	1	
13	6GR-43830-00	GEAR PUMP ASSY	1	1	1	
14	93603-08072	.PIN, DOWEL	1	1	1	
15	6CJ-43841-00	.PISTON, SHUTTLE	1	1	1	
16	6H1-43883-00	.O-RING	1	1	1	
17	6CJ-4384M-00	.PISTON, SHUTTLE 2	1	1	1	
18	69A-4384F-00	.SEAL, MAIN VALVE	2	2	2	
19	99002-03600	.CIRCLIP	2	2	2	
20	6C6-4387G-00	.WASHER	2	2	2	
21	6C6-43853-00	.SPRING, MAIN VALVE	2	2	2	
22	93505-32038	.BALL	6	6	6	
23	69J-4389J-00	.O-RING	2	2	2	
24	6GR-43851-00	.SEAT, RELIEF VALVE	1	1	1	
25	93210-064A5	.O-RING	1	1	1	
26	6C5-43855-10	.SPRING, UP RELIEF	1	1	1	
27	93501-08001	.BALL	2	2	2	

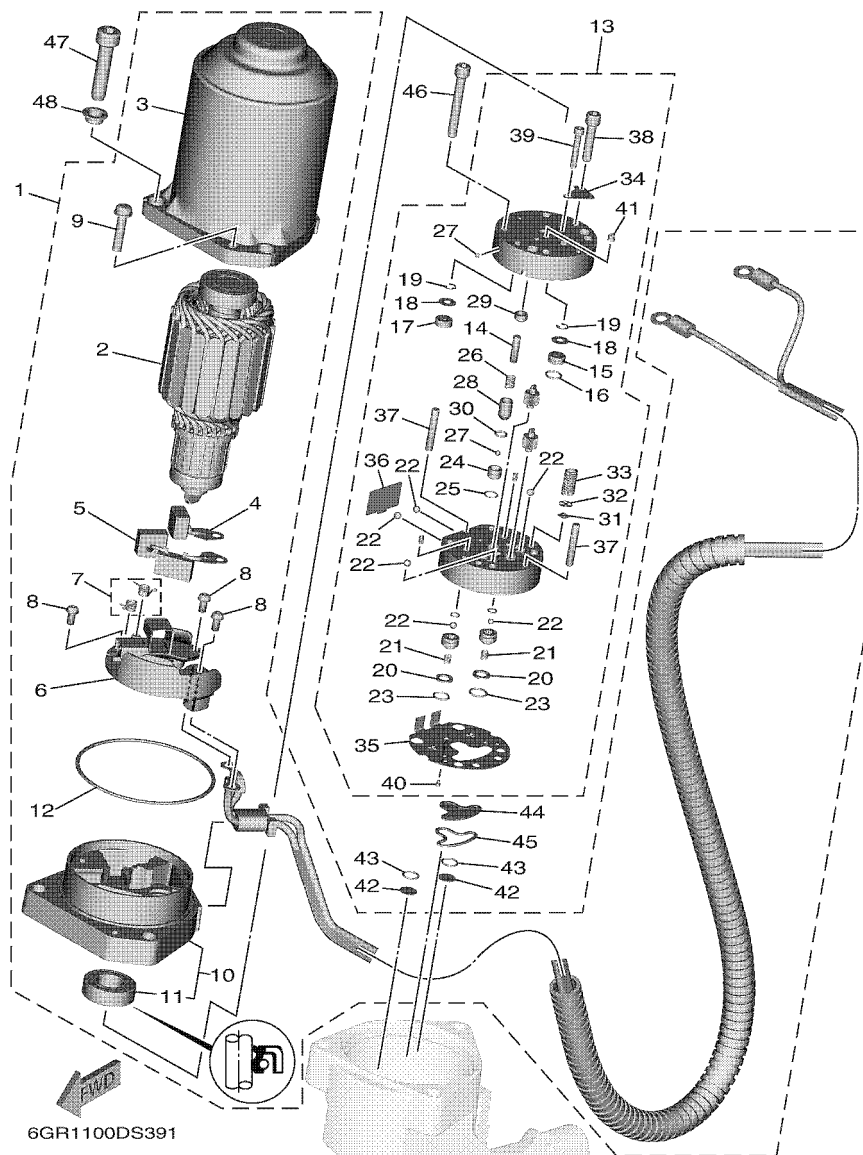


FIG. 39 POWER TRIM & TILT ASSY 2

REF. NO.	PART NO.	DESCRIPTION	NSA	NSA2	NSA7	REMARKS
28	6D8-43844-00	.PIN, VALVE SUPPORT	1	1	1	
29	6D8-43843-00	.SCREW, VALVE LOCK	1	1	1	
30	93210-04N51	.O-RING	1	1	1	
31	6H1-4384G-11	.SEAL, RELIEF VALVE	1	1	1	
32	6H1-43844-10	.PIN, VALVE SUPPORT	1	1	1	
33	6GR-43856-00	.SPRING, DOWN RELIEF	1	1	1	
34	6D8-4382L-00	.CAP, RELIEF VALVE	1	1	1	
35	6GR-43895-00	.SEAT, RELIEF VALVE	1	1	1	
36	6C5-43854-00	.SPRING, MANUAL RELEASE	1	1	1	
37	93604-26256	.PIN, DOWEL	2	2	2	
38	91318-05030	.BOLT	2	2	2	
39	91318-03025	.BOLT	2	2	2	
40	91318-03005	.BOLT	1	1	1	
41	69J-43831-00	.CONNECTOR, SHAFT	1	1	1	
42	6C6-43817-00	FILTER 2	2	2	2	
43	69J-4389J-00	O-RING	2	2	2	
44	6C5-43816-00	FILTER 1	1	1	1	
45	6C5-4380G-00	PLATE	1	1	1	
46	91318-05045	BOLT	4	4	4	
47	90110-08M05	BOLT, HEXAGON SOCKET HEAD	3	3	3	
48	6GR-23113-00	COLLAR	3	3	3	

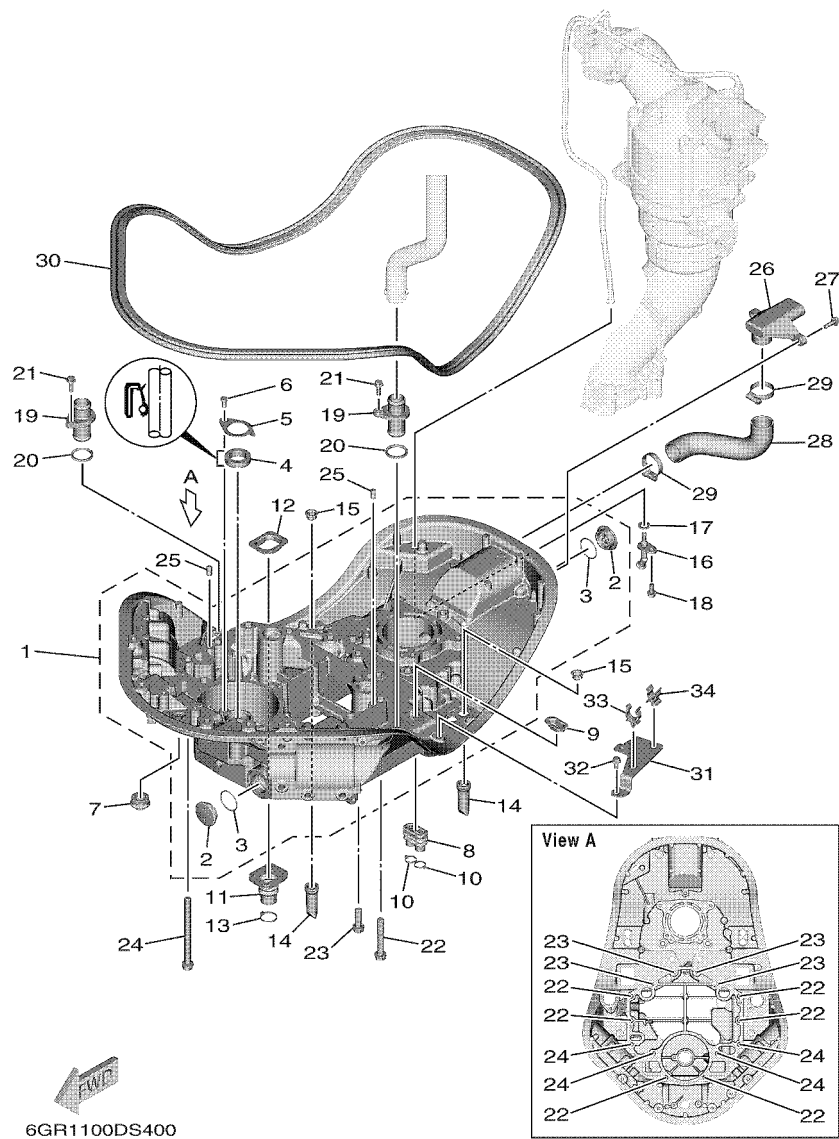
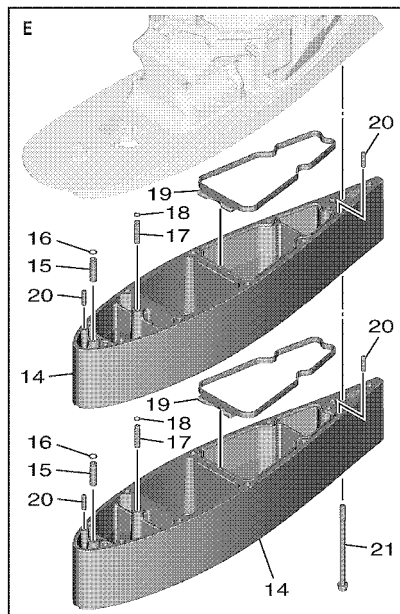
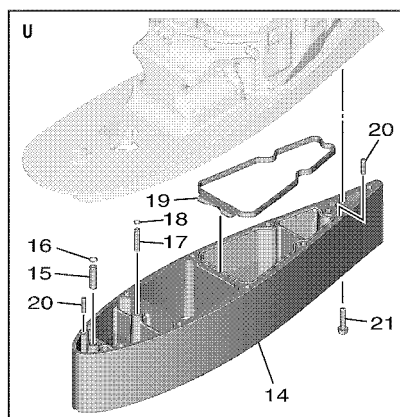


FIG. 40 UPPER CASING 1

REF. NO.	PART NO.	DESCRIPTION	NSA	NSA2	NSA7		REMARKS
1	6GR-41137-00	GUIDE, EXHAUST	1	1	1		
2	90340-32011	.PLUG, STRAIGHT SCREW	2	2	2		
3	93210-32172	.O-RING	2	2	2		
4	93102-26004	OIL SEAL	1	1	1		
5	6GR-41297-00	WASHER, 1	1	1	1		
6	97D95-06012	BOLT, HEXAGON DEEP RECESS	1	1	1		
7	6AW-42724-00	GROMMET	1	1	1		
8	6H1-42726-21	GROMMET	2	2	2		
9	6BG-42384-00	SEAL, CAP	2	2	2		
10	90465-11M10	CLAMP	4	4	4		
11	6GR-42724-00	GROMMET	1	1	1		
12	6GR-42384-00	SEAL, CAP	1	1	1		
13	90465-11M59	CLAMP	1	1	1		
14	6DA-42717-00	RUBBER, SEAL 2	4	4	4		
15	6DA-42384-00	SEAL, CAP	4	4	4		
16	6GR-44391-00	NIPPLE, HOSE	1	1	1		
17	60V-42747-10	PAD	1	1	1		
18	95D95-06016	BOLT, FLANGE DEEP RECESS	1	1	1		
19	6GR-12584-00	JOINT, HOSE 3	2	2	2		
20	6GR-44366-00	DAMPER, WATER SEAL 2	2	2	2		
21	95D95-06020	BOLT, FLANGE DEEP RECESS	2	2	2		
22	97E75-10570	BOLT, HEXAGON W/W DEEP RECESS	6	6	6		
23	90119-10040	BOLT, WITH WASHER	4	4	4		
24	90119-10M08	BOLT, WITH WASHER	4	4	4		
25	93608-16M16	PIN, DOWEL	2	2	2		
26	6GR-14753-00	SILENCER, EXHAUST	1	1	1		
27	95D95-06020	BOLT, FLANGE DEEP RECESS	2	2	2		



6GR1100DS410

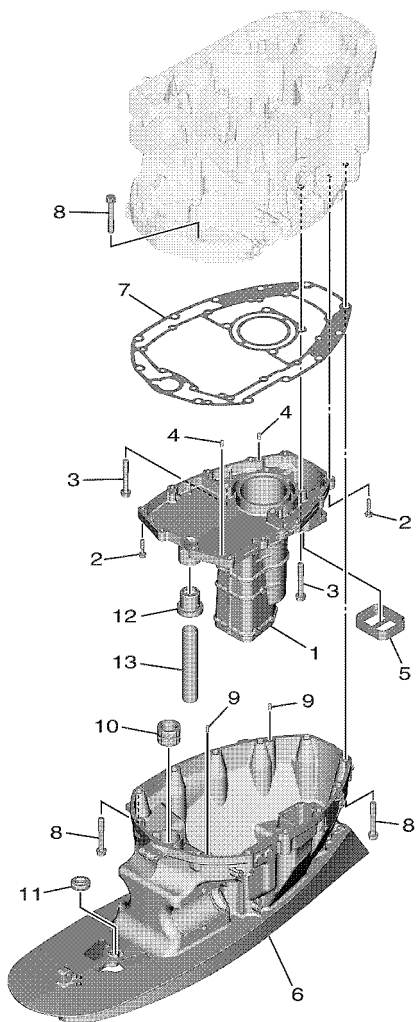
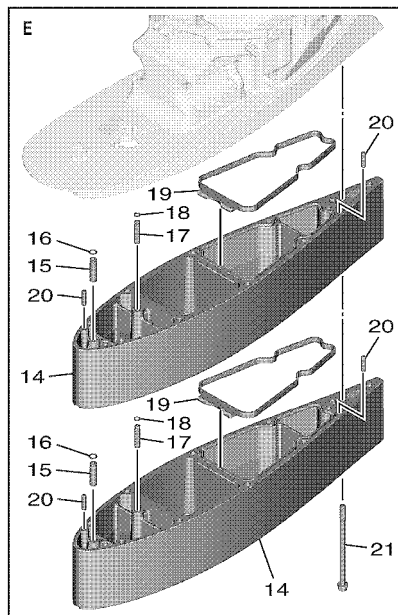


FIG. 41 UPPER CASING 2

REF. NO.	PART NO.	DESCRIPTION	NSA	NSA2	NSA7	REMARKS
1	6GR-14711-00	MUFFLER 1	1	1	1	
2	95D95-06030	BOLT, FLANGE DEEP RECESS	12	12	12	
3	97E75-10570	BOLT, HEXAGON W/W DEEP RECESS	4	4	4	
4	93606-12019	PIN, DOWEL	2	2	2	
5	6GR-45127-00	SEAL	1	1	1	
6	6GR-45111-00-8D	CASING, UPPER	1			GRAY
	6GR-45111-00-CE	CASING, UPPER		1	1	WHITE
7	6GR-45113-00	GASKET, UPPER CASING	1	1	1	
8	97E75-10570	BOLT, HEXAGON W/W DEEP RECESS	12	12	12	
9	93606-12019	PIN, DOWEL	2	2	2	
10	6GR-45318-00	BUSHING, DRIVE SHAFT	1	1	1	
11	6GR-44521-00	SEAL	1	1	1	
12	6GR-44367-00	DAMPER, WATER SEAL 3	1	1	1	
13	90440-27001	PIPE	1	1	1	UR X(25.2")
	90440-27002	PIPE	1	1	1	UR U(30.2")
	90440-27003	PIPE	1	1	1	UR E(35.2")
14	6GR-45211-00-8D	EXTENSION	1			UR GRAY,U(30.2")
	6GR-45211-00-8D	EXTENSION	2			UR GRAY,E(35.2")
	6GR-45211-00-CE	EXTENSION		1	1	UR WHITE,U(30.2")
	6GR-45211-00-CE	EXTENSION		2	2	UR WHITE,E(35.2")
15	6GR-45398-00	NIPPLE, 1	1	1	1	UR U(30.2")
	6GR-45398-00	NIPPLE, 1	2	2	2	UR E(35.2")
16	93210-10010	O-RING	1	1	1	UR U(30.2")
	93210-10010	O-RING	2	2	2	UR E(35.2")
17	6GR-45399-00	NIPPLE, 2	1	1	1	UR U(30.2")
	6GR-45399-00	NIPPLE, 2	2	2	2	UR E(35.2")
18	93210-07100	O-RING	1	1	1	UR U(30.2")

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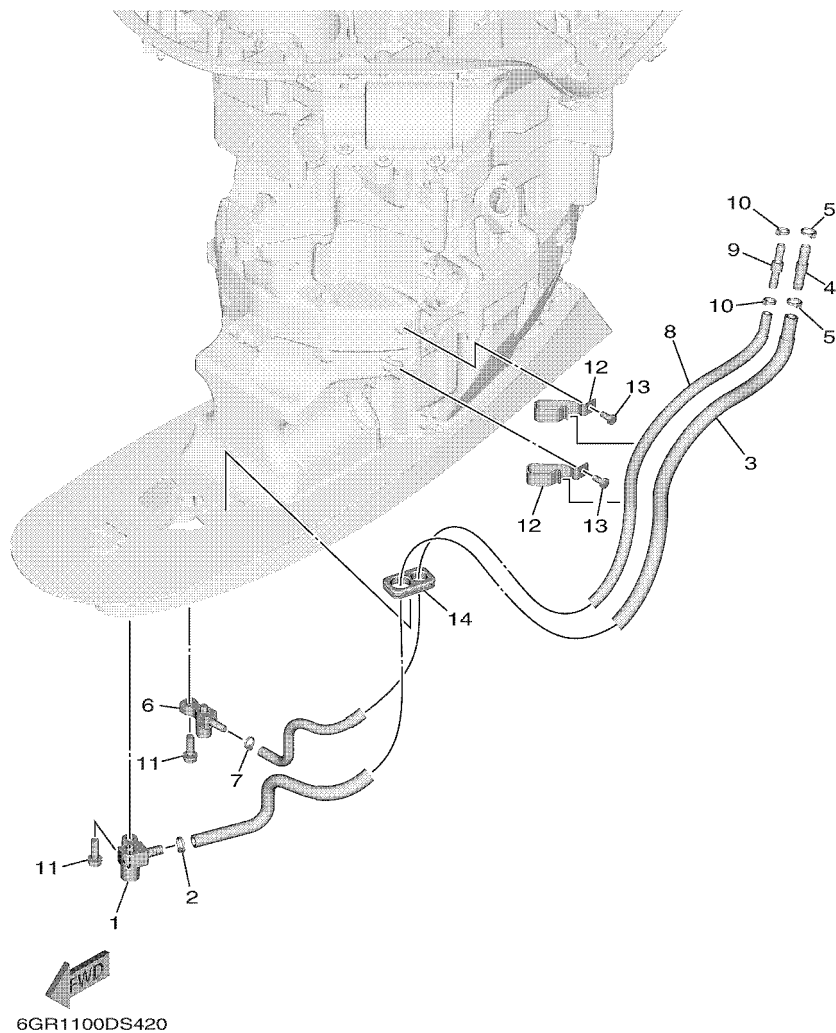


FIG. 42 UPPER CASING 3

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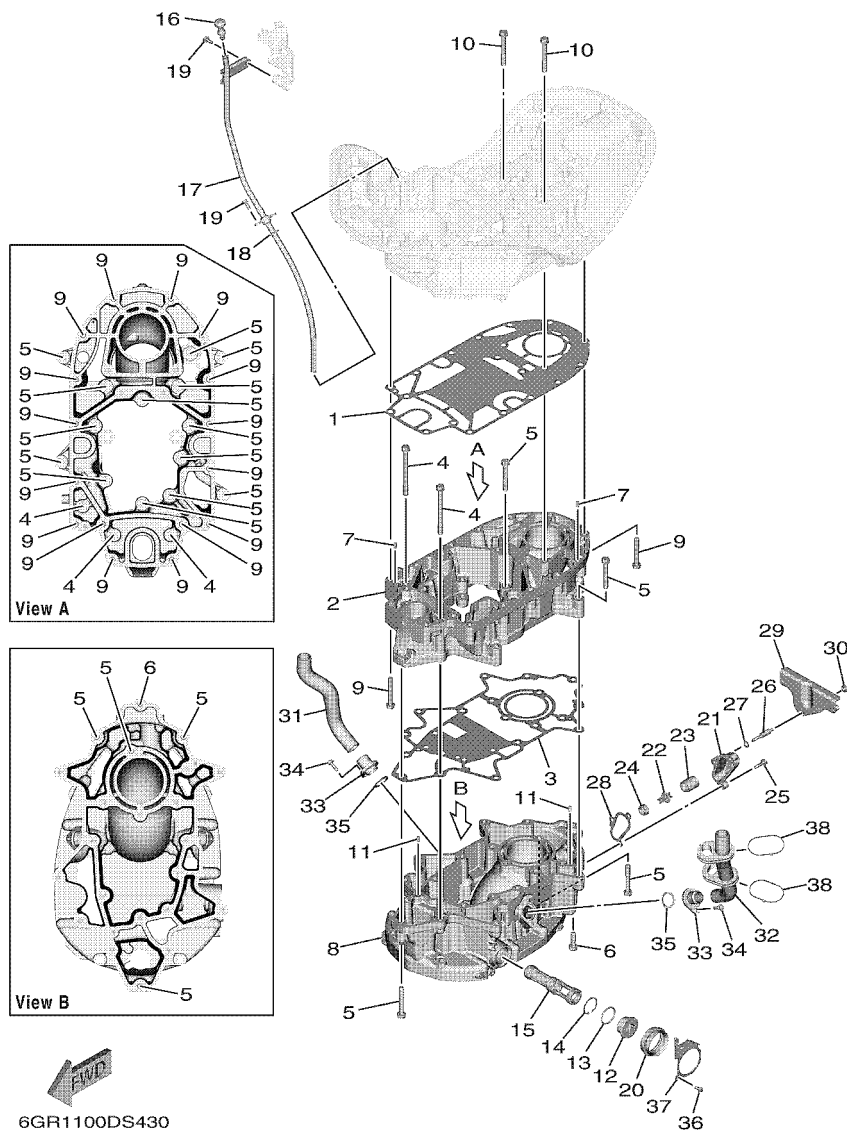


FIG. 43 OIL PAN

REF. NO.	PART NO.	DESCRIPTION	NSA	NSA2	NSA7	REMARKS
1	6GR-15312-00	GASKET, OIL PAN	1	1	1	
2	6GR-1531B-00	OIL PAN 2	1	1	1	
3	6GR-1531C-00	GASKET, OIL PAN 2	1	1	1	
4	90119-10M14	BOLT, WITH WASHER	3	3	3	
5	97E75-10570	BOLT, HEXAGON W/W DEEP RECESS	18	18	18	
6	90119-10040	BOLT, WITH WASHER	1	1	1	
7	93606-12019	PIN, DOWEL	2	2	2	
8	6GR-15311-00	OIL PAN	1	1	1	
9	97E75-10570	BOLT, HEXAGON W/W DEEP RECESS	16	16	16	
10	97E75-10580	BOLT, HEXAGON W/W DEEP RECESS	4	4	4	
11	93606-12019	PIN, DOWEL	2	2	2	
12	6GR-15351-00	PLUG, DRAIN	1	1	1	
13	93210-34633	O-RING	1	1	1	
14	93420-36M01	CIRCLIP	1	1	1	
15	6GR-13411-00	STRAINER, OIL	1	1	1	
16	6GR-15362-00	PLUG, OIL LEVEL	1	1	1	
17	6GR-15377-00	GUIDE, INLET	1	1	1	
18	93210-19MJ3	O-RING	1	1	1	
19	95D95-06016	BOLT, FLANGE DEEP RECESS	3	3	3	
20	6GR-15316-00	DAMPER 1	1	1	1	
21	6EK-1246A-00-9S	COVER 1	1	1	1	
22	6G5-12416-00	VALVE, PRESSURE CONTROL	1	1	1	
23	90501-200A2	SPRING, COMPRESSION	1	1	1	
24	90480-20M05	GROMMET	1	1	1	
25	95D95-06025	BOLT, FLANGE DEEP RECESS	1	1	1	
26	6GR-42742-00	BOLT	2	2	2	
27	92995-06200	WASHER	2	2	2	

REGULAR ROTATION

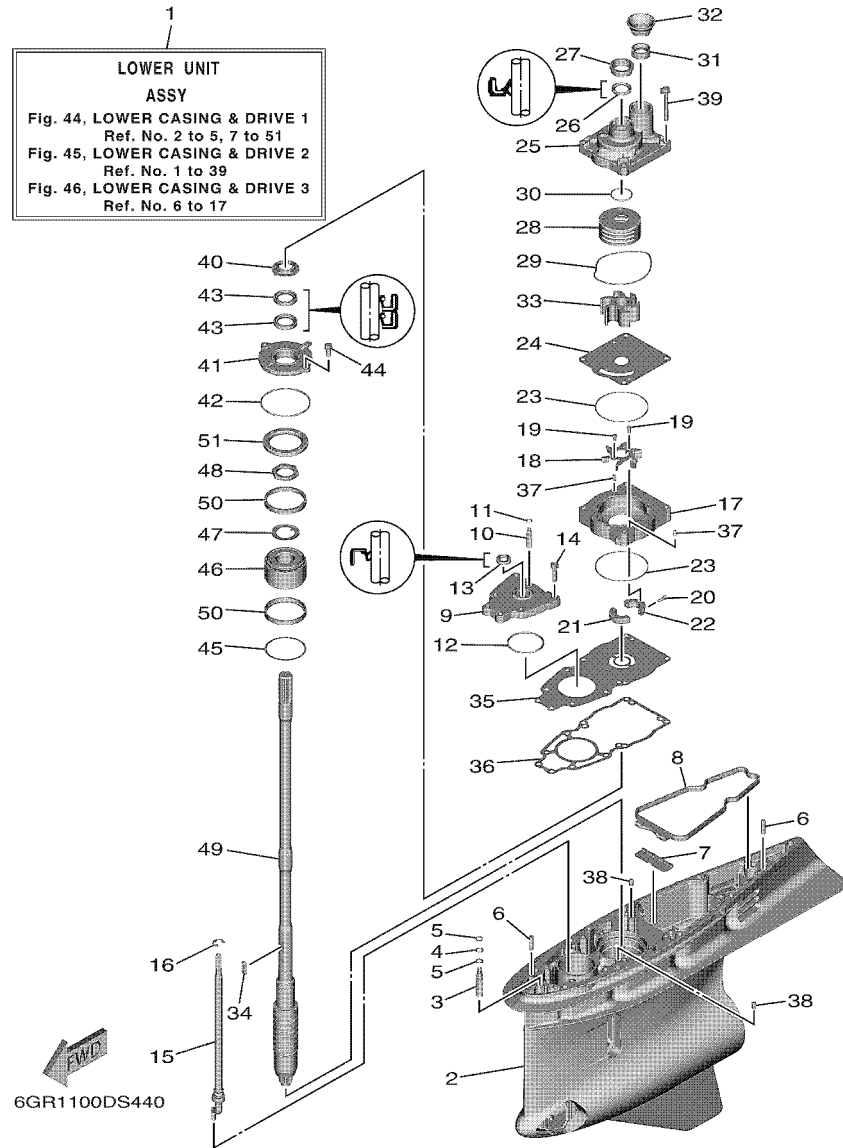


FIG. 44 LOWER CASING & DRIVE 1

REF. NO.	PART NO.	DESCRIPTION	NSA	NSA2	NSA7	REMARKS
1	6GR-45300-02-8D	LOWER UNIT ASSY	1			GRAY, X(25.2")
	6GR-45300-02-CE	LOWER UNIT ASSY		1	1	WHITE, X(25.2")
	6GR-45300-12-8D	LOWER UNIT ASSY	1			GRAY, U(30.2")
	6GR-45300-12-CE	LOWER UNIT ASSY		1	1	WHITE, U(30.2")
	6GR-45300-22-8D	LOWER UNIT ASSY	1			GRAY, E(35.2")
	6GR-45300-22-CE	LOWER UNIT ASSY		1	1	WHITE, E(35.2")
2	6GR-45311-00-8D	CASING, LOWER	1			GRAY
	6GR-45311-00-CE	CASING, LOWER		1	1	WHITE
3	6GR-45308-00	VALVE ASSY 1	1	1	1	
4	93210-10010	O-RING	1	1	1	
5	6GR-43873-00	RING, BACK UP	2	2	2	
6	99480-08030	PIN	2	2	2	
7	6GR-45376-00	GUIDE, SEAL DAMPER	1	1	1	
8	6GR-45375-00	DAMPER, SEAL	1	1	1	
9	6GR-45321-00	PLATE	1	1	1	
10	6GR-45309-00	VALVE ASSY 2	1	1	1	
11	93210-07100	O-RING	1	1	1	
12	93210-64488	O-RING	1	1	1	
13	93106-14001	OIL SEAL	1	1	1	
14	97E95-08535	BOLT, HEXAGON W/W DEEP RECESS	6	6	6	
15	6GR-44150-01	SHIFT CAM ASSY	1	1	1	UR X(25.2")
	6GR-44150-11	SHIFT CAM ASSY	1	1	1	UR U(30.2")
	6GR-44150-21	SHIFT CAM ASSY	1	1	1	UR E(35.2")
16	99002-12600	CIRCLIP	1	1	1	
17	6GR-44341-00	HOUSING, WATER PUMP	1	1	1	
18	6GR-12451-00	IMPELLER, WATER PUMP	1	1	1	
19	97095-05010	BOLT	2	2	2	

REGULAR ROTATION

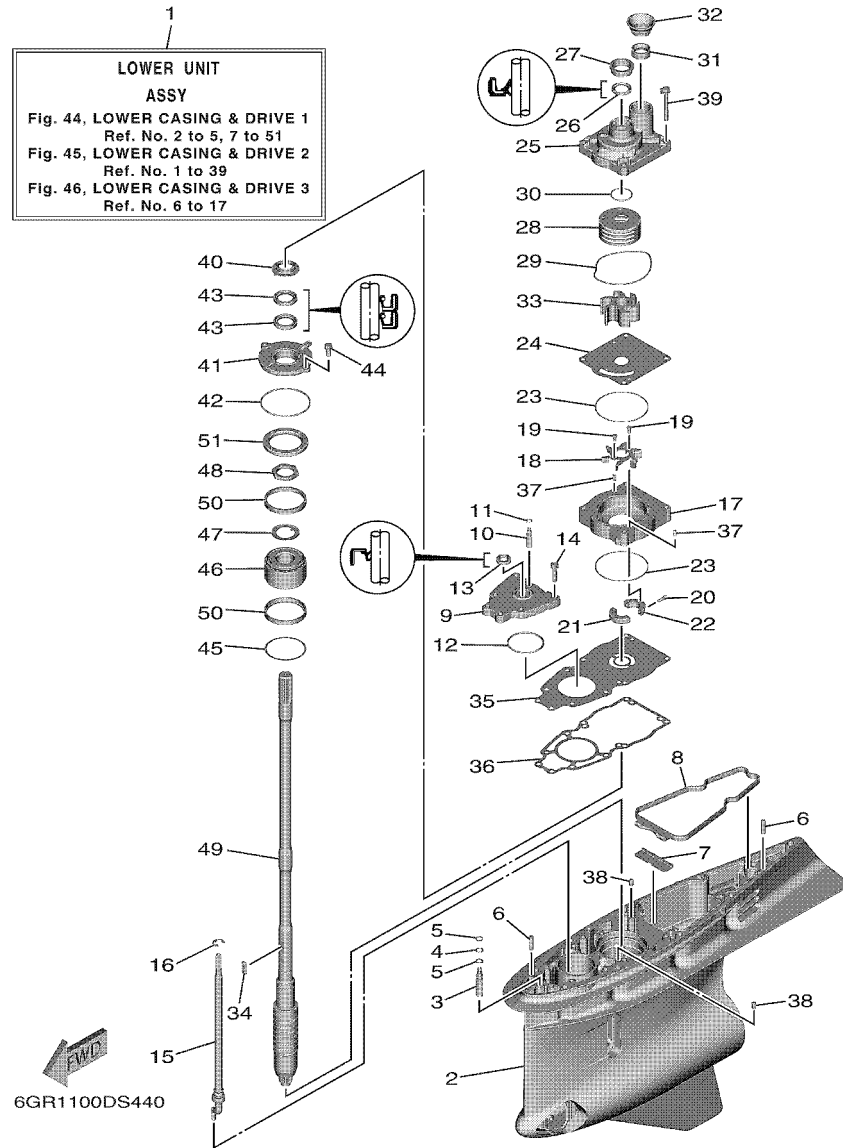


FIG. 44 LOWER CASING & DRIVE 1

REF. NO.	PART NO.	DESCRIPTION	NSA	NSA2	NSA7	REMARKS
20	91380-05016	BOLT	2	2	2	
21	6GR-44381-00	SPACER 1	1	1	1	
22	6GR-44382-00	SPACER 2	1	1	1	
23	93210-97690	O-RING	2	2	2	
24	6GR-44323-00	OUTER PLATE, CARTRIDGE	1	1	1	
25	6GR-44311-00	HOUSING, WATER PUMP	1	1	1	
26	93109-26001	OIL SEAL	1	1	1	
27	6GR-44312-00	COVER, WATER PUMP HOUSING	1	1	1	
28	6GR-44322-00	INSERT, CARTRIDGE	1	1	1	
29	93211-08001	O-RING	1	1	1	
30	93210-37160	O-RING	1	1	1	
31	6GR-44365-00	DAMPER, WATER SEAL 1	1	1	1	
32	6GR-44379-00	GUIDE, WATER TUBE	1	1	1	
33	6GR-44352-00	IMPELLER	1	1	1	
34	6AW-44336-00	KEY	1	1	1	
35	6GR-44328-00	PLATE	1	1	1	
36	6GR-44315-00	GASKET, WATER PUMP	1	1	1	
37	93606-12019	PIN, DOWEL	2	2	2	
38	93608-12M05	PIN, DOWEL	2	2	2	
39	90119-08M16	BOLT, WITH WASHER	4	4	4	
40	6GR-45344-00	COVER, OIL SEAL	1	1	1	
41	6GR-45335-00	HOUSING, OIL SEAL	1	1	1	
42	93210-89535	O-RING	1	1	1	
43	93101-30018	OIL SEAL	2	2	2	
44	97E95-08520	BOLT, HEXAGON W/W DEEP RECESS	2	2	2	
45	688-45567-01	SHIM (T:0.10MM)	1	1	1	UR
	688-45567-10	SHIM (T:0.12MM)	1	1	1	UR

REGULAR ROTATION

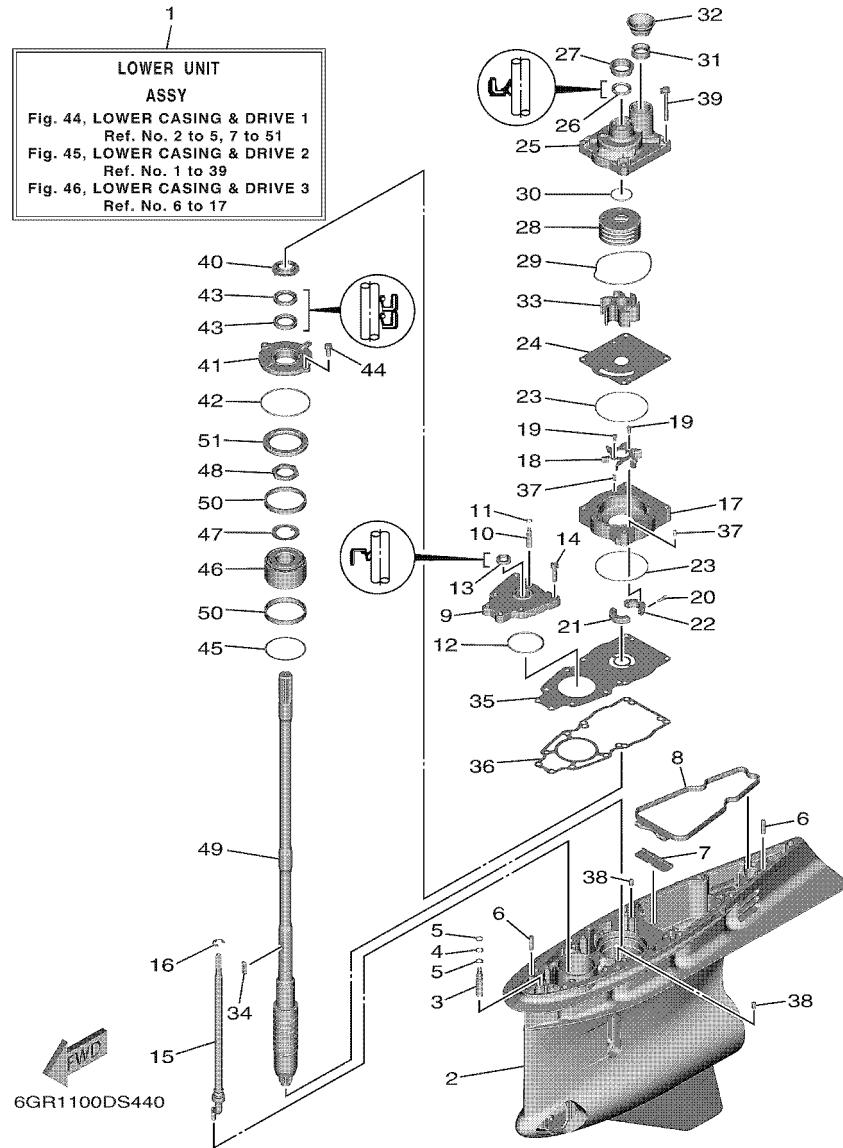


FIG. 44 LOWER CASING & DRIVE 1

REF. NO.	PART NO.	DESCRIPTION	NSA	NSA2	NSA7	REMARKS
45	688-45567-20	SHIM (T:0.15MM)	1	1	1	UR
	688-45567-30	SHIM (T:0.18MM)	1	1	1	UR
	688-45567-40	SHIM (T:0.30MM)	1	1	1	UR
	688-45567-50	SHIM (T:0.40MM)	1	1	1	UR
	688-45567-60	SHIM (T:0.50MM)	1	1	1	UR
46	93399-99967	BEARING	1	1	1	
47	90214-35M07	WASHER, CLAW	1	1	1	
48	90170-35M34	NUT	1	1	1	
49	6GR-45501-00	DRIVE SHAFT COMP.	1	1	1	UR X(25.2")
	6GR-45501-10	DRIVE SHAFT COMP.	1	1	1	UR U(30.2")
	6GR-45501-20	DRIVE SHAFT COMP.	1	1	1	UR E(35.2")
50	6GR-45539-00	SPACER 2	2	2	2	
51	6GR-45244-00	NUT	1	1	1	

REGULAR ROTATION

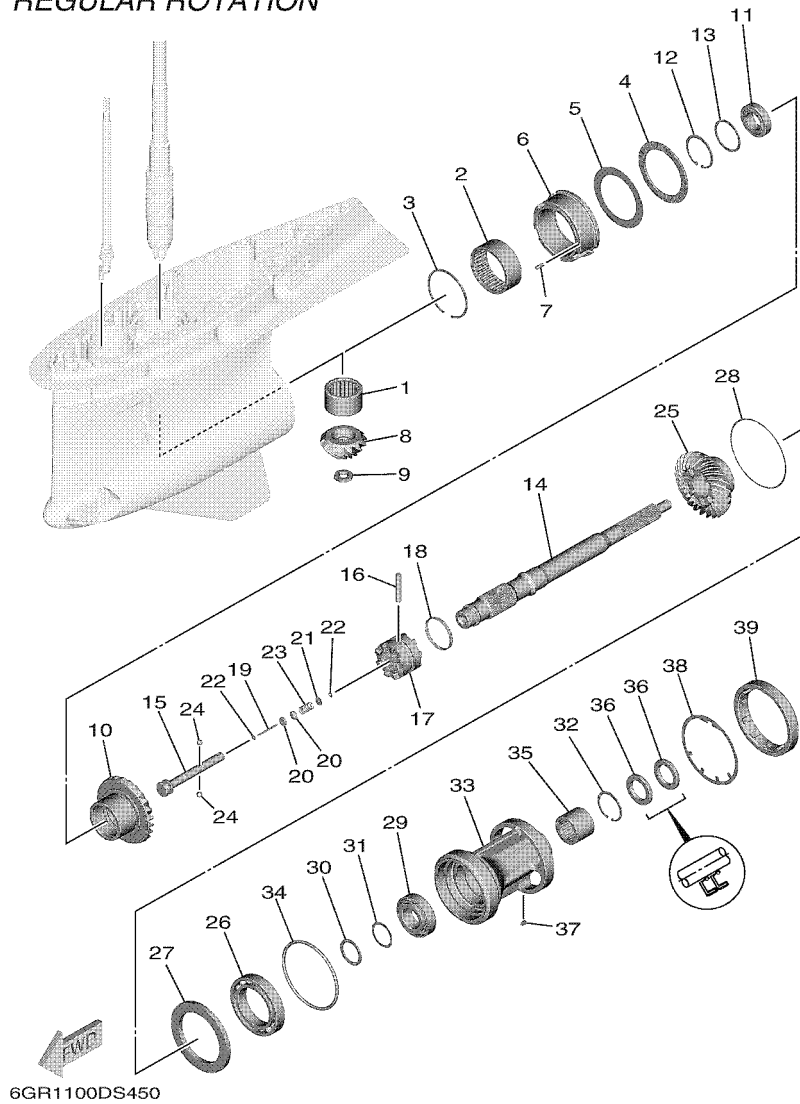


FIG. 45 LOWER CASING & DRIVE 2

REF. NO.	PART NO.	DESCRIPTION	NSA	NSA2	NSA7	REMARKS
1	93311-944A0	BEARING	1	1	1	
2	93311-675A1	BEARING	1	1	1	
3	93450-92171	CIRCLIP	1	1	1	
4	93340-69012	BEARING	1	1	1	
5	6GR-45567-00	SHIM (T:2.00MM)	1	1	1	UR
	6GR-45567-10	SHIM (T:2.03MM)	1	1	1	UR
	6GR-45567-20	SHIM (T:2.06MM)	1	1	1	UR
	6GR-45567-30	SHIM (T:2.09MM)	1	1	1	UR
	6GR-45567-40	SHIM (T:2.12MM)	1	1	1	UR
	6GR-45567-50	SHIM (T:2.15MM)	1	1	1	UR
	6GR-45567-60	SHIM (T:2.18MM)	1	1	1	UR
	6GR-45567-70	SHIM (T:2.21MM)	1	1	1	UR
6	6GR-45824-00	ADAPTER	1	1	1	
7	93606-16117	PIN, DOWEL	1	1	1	
8	6GR-45551-00	PINION (14T)	1	1	1	
9	90170-18009	NUT	1	1	1	
10	6GR-45561-00	GEAR 1 (25T)	1	1	1	
11	93332-000A0	BEARING	1	1	1	
12	99009-62500	CIRCLIP	1	1	1	
13	90201-54008	WASHER, PLATE	1	1	1	
14	6GR-45611-00	SHAFT, PROPELLER	1	1	1	
15	6GR-45634-00	SLIDE, SHIFT	1	1	1	
16	6GR-45632-00	PIN, CROSS	1	1	1	
17	6GR-45631-00	CLUTCH, DOG	1	1	1	
18	6GR-45633-00	RING, CROSS PIN	1	1	1	
19	6H1-45668-00	SHAFT, FREE 1	1	1	1	
20	61A-45635-00	PLUNGER, SHIFT	2	2	2	

REGULAR ROTATION

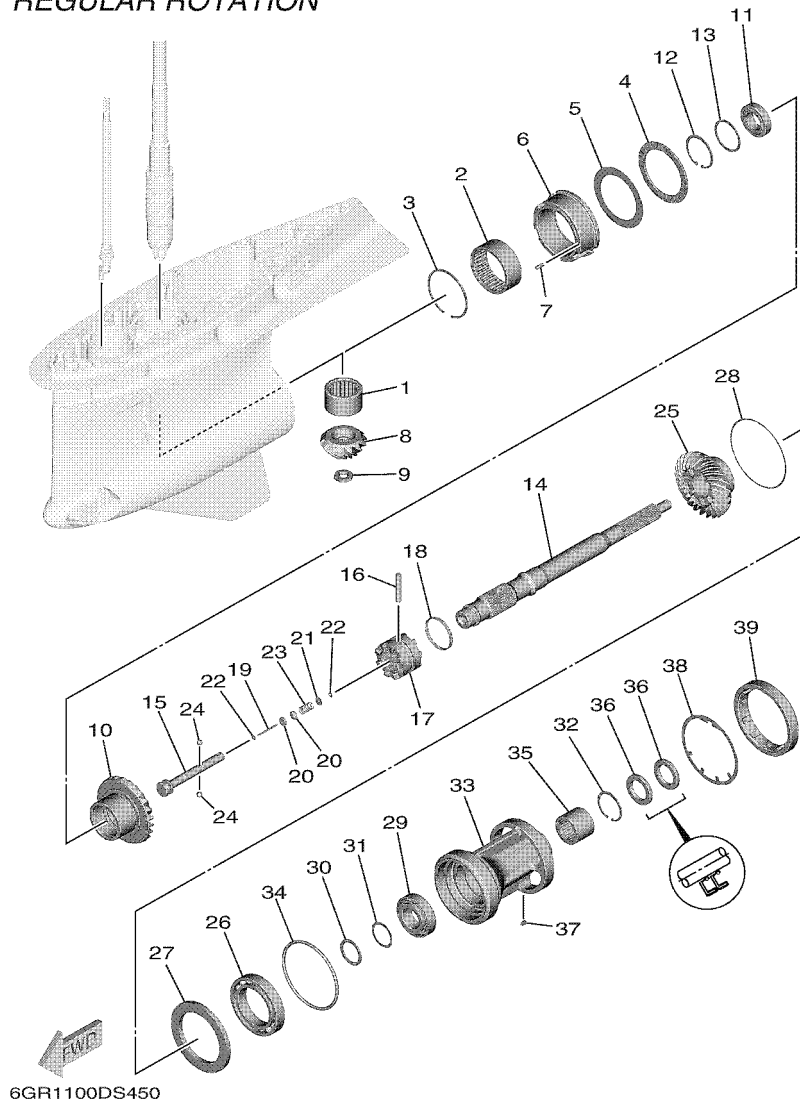


FIG. 45 LOWER CASING & DRIVE 2

REF. NO.	PART NO.	DESCRIPTION	NSA	NSA2	NSA7	REMARKS
21	90201-02M00	WASHER, PLATE	1	1	1	
22	90183-02M03	NUT, SPRING	2	2	2	
23	90501-10M77	SPRING, COMPRESSION	1	1	1	
24	93501-04011	BALL	2	2	2	
25	6GR-45571-00	GEAR 2 (25T)	1	1	1	
26	93306-01501	BEARING	1	1	1	
27	6GR-45576-00	WASHER, THRUST 2	1	1	1	
28	6GR-45577-00	SHIM (T:0.10MM)	1	1	1	UR
	6GR-45577-10	SHIM (T:0.12MM)	1	1	1	UR
	6GR-45577-20	SHIM (T:0.15MM)	1	1	1	UR
	6GR-45577-30	SHIM (T:0.18MM)	1	1	1	UR
	6GR-45577-40	SHIM (T:0.30MM)	1	1	1	UR
	6GR-45577-50	SHIM (T:0.40MM)	1	1	1	UR
	6GR-45577-60	SHIM (T:0.50MM)	1	1	1	UR
29	93332-00042	BEARING	1	1	1	
30	90201-40008	WASHER, PLATE	1	1	1	
31	6GR-45578-00	SHIM (T:0.10MM)	1	1	1	UR
	6GR-45578-10	SHIM (T:0.12MM)	1	1	1	UR
	6GR-45578-20	SHIM (T:0.15MM)	1	1	1	UR
	6GR-45578-30	SHIM (T:0.18MM)	1	1	1	UR
	6GR-45578-40	SHIM (T:0.30MM)	1	1	1	UR
	6GR-45578-50	SHIM (T:0.40MM)	1	1	1	UR
	6GR-45578-60	SHIM (T:0.50MM)	1	1	1	UR
	6GR-45578-70	SHIM (T:1.00MM)	1	1	1	UR
32	99009-55500	CIRCLIP	1	1	1	
33	6GR-45332-00	HOUSING, BEARING	1	1	1	
34	93211-26001	O-RING	1	1	1	

REGULAR ROTATION

1 2 3 4 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

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[illegible]

REGULAR ROTATION

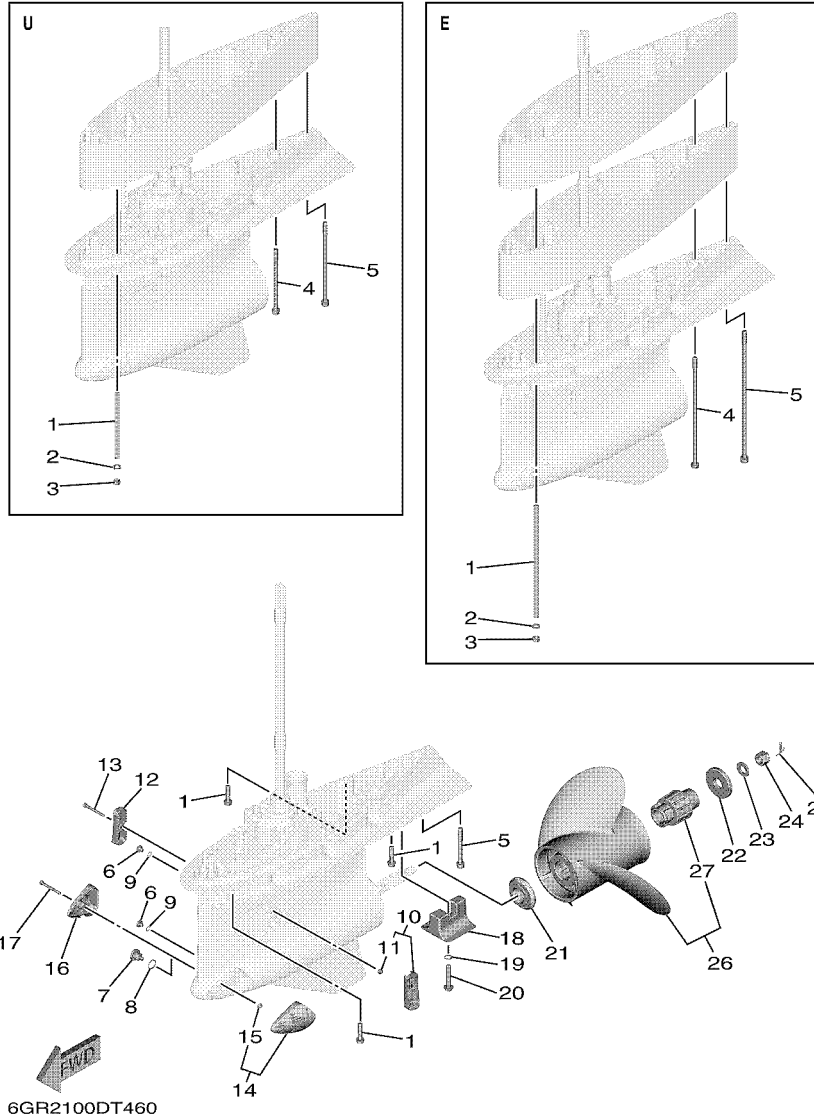


FIG. 46 LOWER CASING & DRIVE 3

REF. NO.	PART NO.	DESCRIPTION	NSA	NSA2	NSA7	REMARKS
1	90119-10024	BOLT, WITH WASHER	9	9	9	UR X(25.2")
	90116-10067	BOLT, STUD	8	8	8	UR U(30.2")
	90116-10066	BOLT, STUD	8	8	8	UR E(35.2")
2	92995-10600	WASHER	8	8	8	U(30.2"),E(35.2")
3	95380-10600	NUT	8	8	8	U(30.2"),E(35.2")
4	90119-10009	BOLT, WITH WASHER	1	1	1	UR U(30.2")
	90119-10060	BOLT, WITH WASHER	1	1	1	UR E(35.2")
5	90110-10048	BOLT, HEXAGON SOCKET HEAD	1	1	1	UR X(25.2")
	90110-10049	BOLT, HEXAGON SOCKET HEAD	1	1	1	UR U(30.2")
	90110-10050	BOLT, HEXAGON SOCKET HEAD	1	1	1	UR E(35.2")
6	90340-08003	PLUG, STRAIGHT SCREW	2	2	2	
7	6GR-45341-00	PLUG, DRAIN	1	1	1	
8	93210-19123	O-RING	1	1	1	
9	93210-09165	O-RING	2	2	2	
10	6GR-45214-01	COVER, WATER INLET 1	1	1	1	
11	90185-06M07	.NUT, SELF-LOCKING	1	1	1	
12	6GR-45215-01	COVER, WATER INLET 2	1	1	1	
13	90110-06425	BOLT, HEXAGON SOCKET HEAD	1	1	1	
14	6GR-45224-01	COVER, WATER INLET 3	1	1	1	
15	90185-06M07	.NUT, SELF-LOCKING	1	1	1	
16	6GR-45225-01	COVER, WATER INLET 4	1	1	1	
17	90110-06425	BOLT, HEXAGON SOCKET HEAD	1	1	1	
18	6AW-45373-00	ANODE	1	1	1	
19	92990-10300	WASHER	1	1	1	
20	90105-10257	BOLT, FLANGE	1	1	1	
21	6GR-45987-00	SPACER 1	1	1	1	
22	6GR-45997-00	SPACER 2	1	1	1	

REGULAR ROTATION

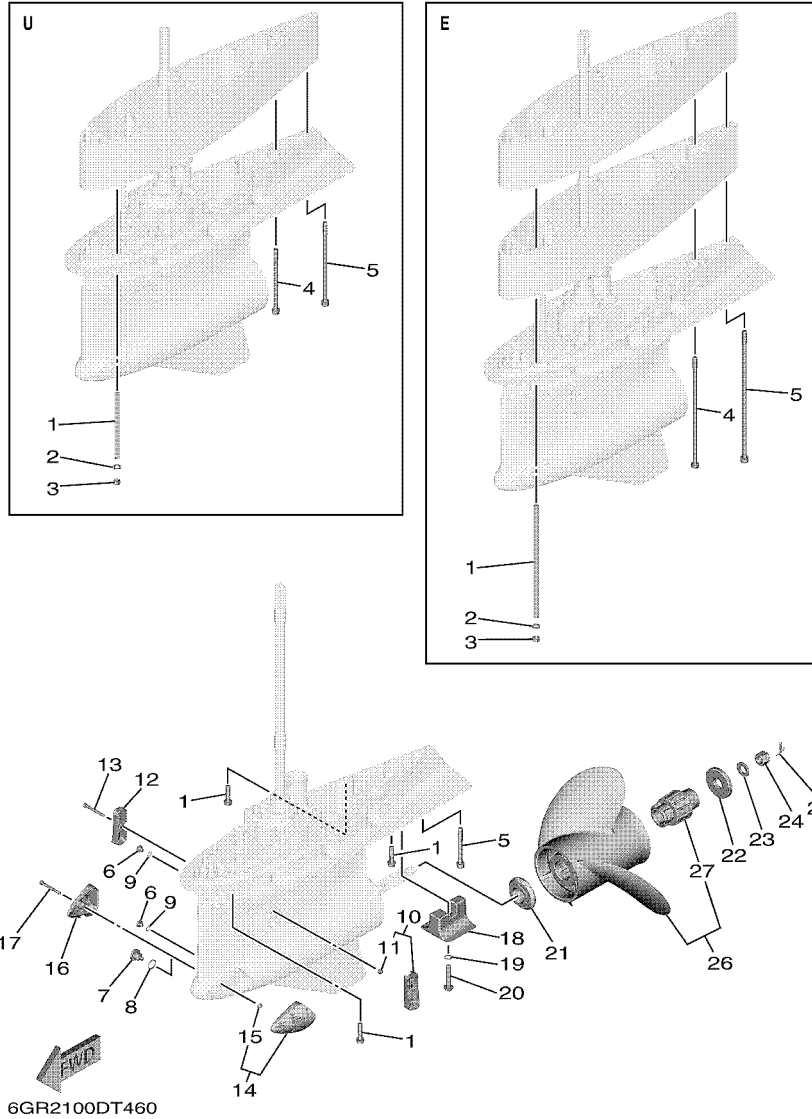


FIG. 46 LOWER CASING & DRIVE 3

REF. NO.	PART NO.	DESCRIPTION	NSA	NSA2	NSA7	REMARKS
23	90201-19M01	WASHER, PLATE	1	1	1	
24	90171-18M04	NUT, CASTLE	1	1	1	
25	91490-40030	PIN. COTTER	1	1	1	
26	6GR-45970-10	PROPELLER (3X17-1/8"X15"-Y)	1	1	1	UR
	6GR-45972-10	PROPELLER (3X16-7/8"X17"-Y)	1	1	1	UR
	6GR-45974-10	PROPELLER (3X16-5/8"X19"-Y)	1	1	1	UR
	6GR-45976-10	PROPELLER (3X16-3/8"X21"-Y)	1	1	1	UR
	6GR-45978-10	PROPELLER (3X16-1/8"X23"-Y)	1	1	1	UR
	6GR-45930-10	PROPELLER (3X16"X25"-Y)	1	1	1	UR
	6GR-45938-10	PROPELLER (3X16-5/8"X18"-Y)	1	1	1	UR
	6GR-45936-10	PROPELLER (3X16-3/8"X20"-Y)	1	1	1	UR
	6GR-45934-10	PROPELLER (3X16-1/8"X22"-Y)	1	1	1	UR
	6GR-45932-10	PROPELLER (3X16"X24"-Y)	1	1	1	UR
27	6GR-45C81-10	.DAMPER RUBBER, PROPELLER 1	1	1	1	

COUNTER ROTATION

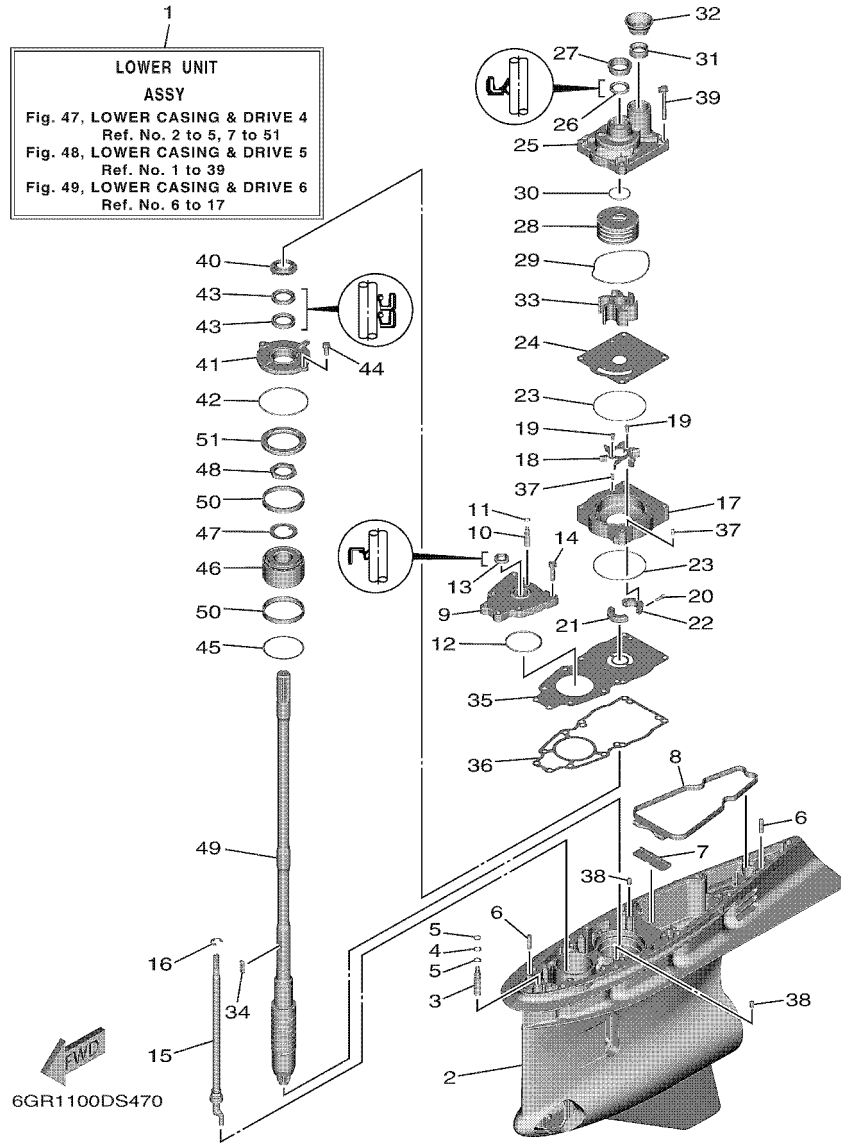


FIG. 47 LOWER CASING & DRIVE 4

REF. NO.	PART NO.	DESCRIPTION	NSA	NSA2	NSA7	REMARKS
1	6GS-45300-02-8D	LOWER UNIT ASSY	1			GRAY, X(25.2")
	6GS-45300-02-CE	LOWER UNIT ASSY		1	1	WHITE, X(25.2")
	6GS-45300-12-8D	LOWER UNIT ASSY	1			GRAY, U(30.2")
	6GS-45300-12-CE	LOWER UNIT ASSY		1	1	WHITE, U(30.2")
	6GS-45300-22-8D	LOWER UNIT ASSY	1			GRAY, E(35.2")
	6GS-45300-22-CE	LOWER UNIT ASSY		1	1	WHITE, E(35.2")
2	6GR-45311-00-8D	CASING, LOWER	1			GRAY
	6GR-45311-00-CE	CASING, LOWER		1	1	WHITE
3	6GR-45308-00	VALVE ASSY 1	1	1	1	
4	93210-10010	O-RING	1	1	1	
5	6GR-43873-00	RING, BACK UP	2	2	2	
6	99480-08030	PIN	2	2	2	
7	6GR-45376-00	GUIDE, SEAL DAMPER	1	1	1	
8	6GR-45375-00	DAMPER, SEAL	1	1	1	
9	6GR-45321-00	PLATE	1	1	1	
10	6GR-45309-00	VALVE ASSY 2	1	1	1	
11	93210-07100	O-RING	1	1	1	
12	93210-64488	O-RING	1	1	1	
13	93106-14001	OIL SEAL	1	1	1	
14	97E95-08535	BOLT, HEXAGON W/W DEEP RECESS	6	6	6	
15	6GS-44150-01	SHIFT CAM ASSY	1	1	1	UR X(25.2")
	6GS-44150-11	SHIFT CAM ASSY	1	1	1	UR U(30.2")
	6GS-44150-21	SHIFT CAM ASSY	1	1	1	UR E(35.2")
16	99002-12600	CIRCLIP	1	1	1	
17	6GR-44341-00	HOUSING, WATER PUMP	1	1	1	
18	6GR-12451-00	IMPELLER, WATER PUMP	1	1	1	
19	97095-05010	BOLT	2	2	2	

COUNTER ROTATION

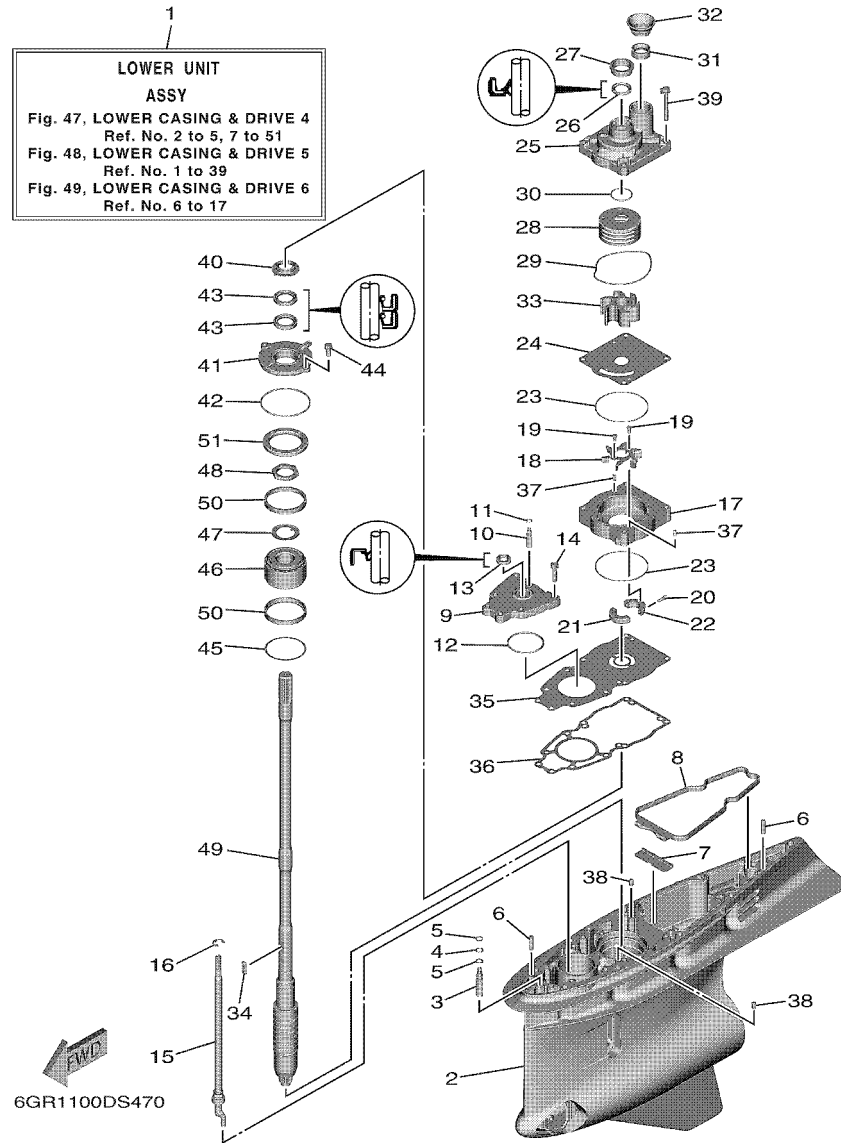


FIG. 47 LOWER CASING & DRIVE 4

REF. NO.	PART NO.	DESCRIPTION	NSA	NSA2	NSA7	REMARKS
20	91380-05016	BOLT	2	2	2	
21	6GR-44381-00	SPACER 1	1	1	1	
22	6GR-44382-00	SPACER 2	1	1	1	
23	93210-97690	O-RING	2	2	2	
24	6GR-44323-00	OUTER PLATE, CARTRIDGE	1	1	1	
25	6GR-44311-00	HOUSING, WATER PUMP	1	1	1	
26	93109-26001	OIL SEAL	1	1	1	
27	6GR-44312-00	COVER, WATER PUMP HOUSING	1	1	1	
28	6GR-44322-00	INSERT, CARTRIDGE	1	1	1	
29	93211-08001	O-RING	1	1	1	
30	93210-37160	O-RING	1	1	1	
31	6GR-44365-00	DAMPER, WATER SEAL 1	1	1	1	
32	6GR-44379-00	GUIDE, WATER TUBE	1	1	1	
33	6GR-44352-00	IMPELLER	1	1	1	
34	6AW-44336-00	KEY	1	1	1	
35	6GR-44328-00	PLATE	1	1	1	
36	6GR-44315-00	GASKET, WATER PUMP	1	1	1	
37	93606-12019	PIN, DOWEL	2	2	2	
38	93608-12M05	PIN, DOWEL	2	2	2	
39	90119-08M16	BOLT, WITH WASHER	4	4	4	
40	6GR-45344-00	COVER, OIL SEAL	1	1	1	
41	6GR-45335-00	HOUSING, OIL SEAL	1	1	1	
42	93210-89535	O-RING	1	1	1	
43	93101-30018	OIL SEAL	2	2	2	
44	97E95-08520	BOLT, HEXAGON W/W DEEP RECESS	2	2	2	
45	688-45567-01	SHIM (T:0.10MM)	1	1	1	UR
	688-45567-10	SHIM (T:0.12MM)	1	1	1	UR

COUNTER ROTATION

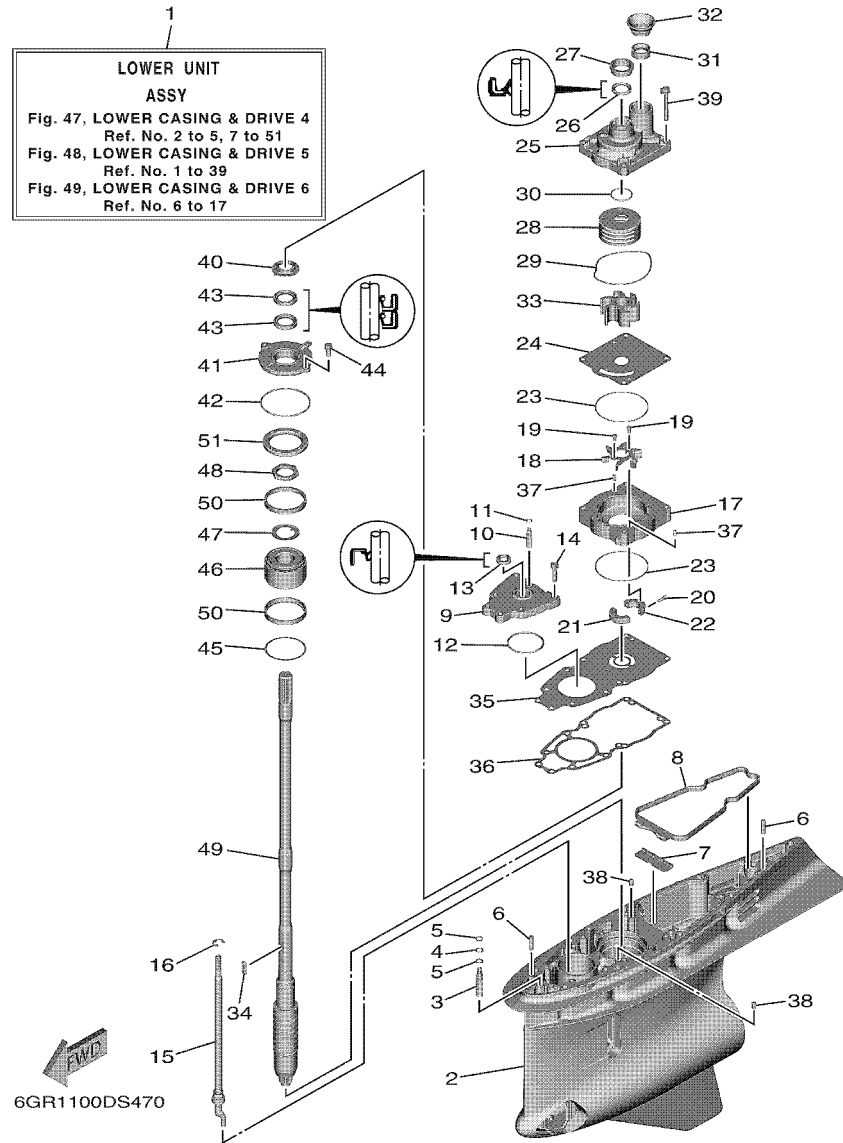
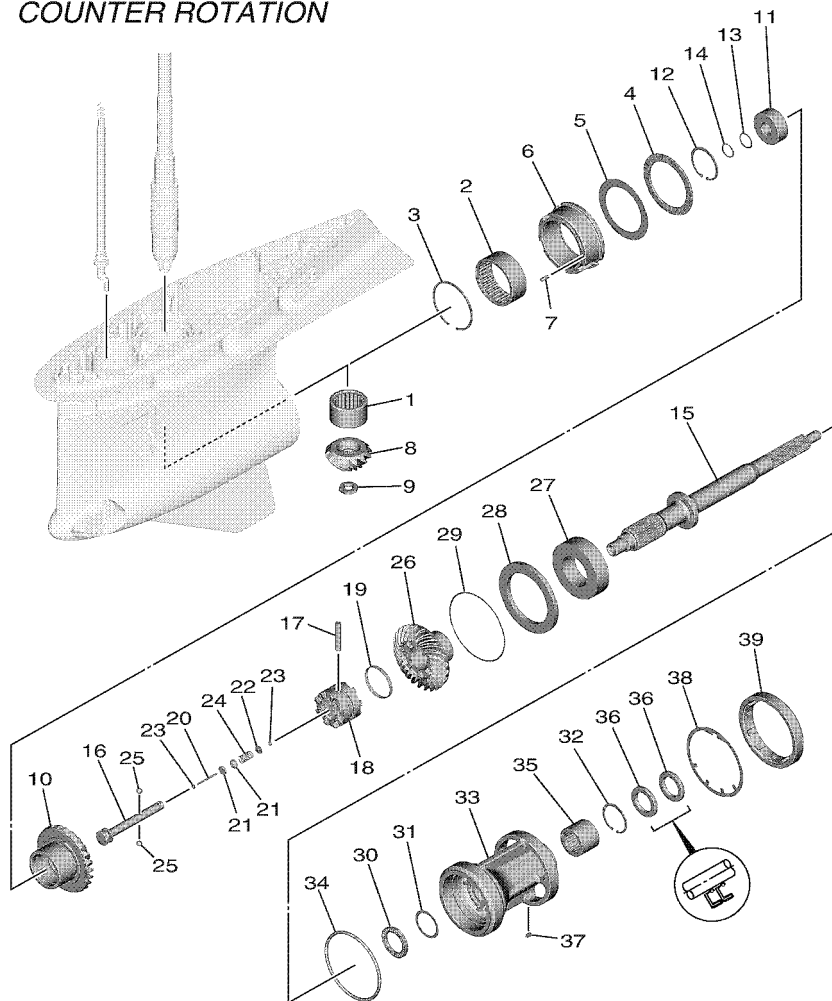


FIG. 47 LOWER CASING & DRIVE 4

REF. NO.	PART NO.	DESCRIPTION	NSA	NSA2	NSA7	REMARKS
45	688-45567-20	SHIM (T:0.15MM)	1	1	1	UR
	688-45567-30	SHIM (T:0.18MM)	1	1	1	UR
	688-45567-40	SHIM (T:0.30MM)	1	1	1	UR
	688-45567-50	SHIM (T:0.40MM)	1	1	1	UR
	688-45567-60	SHIM (T:0.50MM)	1	1	1	UR
46	93399-99967	BEARING	1	1	1	
47	90214-35M07	WASHER, CLAW	1	1	1	
48	90170-35M34	NUT	1	1	1	
49	6GR-45501-00	DRIVE SHAFT COMP.	1	1	1	UR X(25.2")
	6GR-45501-10	DRIVE SHAFT COMP.	1	1	1	UR U(30.2")
	6GR-45501-20	DRIVE SHAFT COMP.	1	1	1	UR E(35.2")
50	6GR-45539-00	SPACER 2	2	2	2	
51	6GR-45244-00	NUT	1	1	1	

COUNTER ROTATION

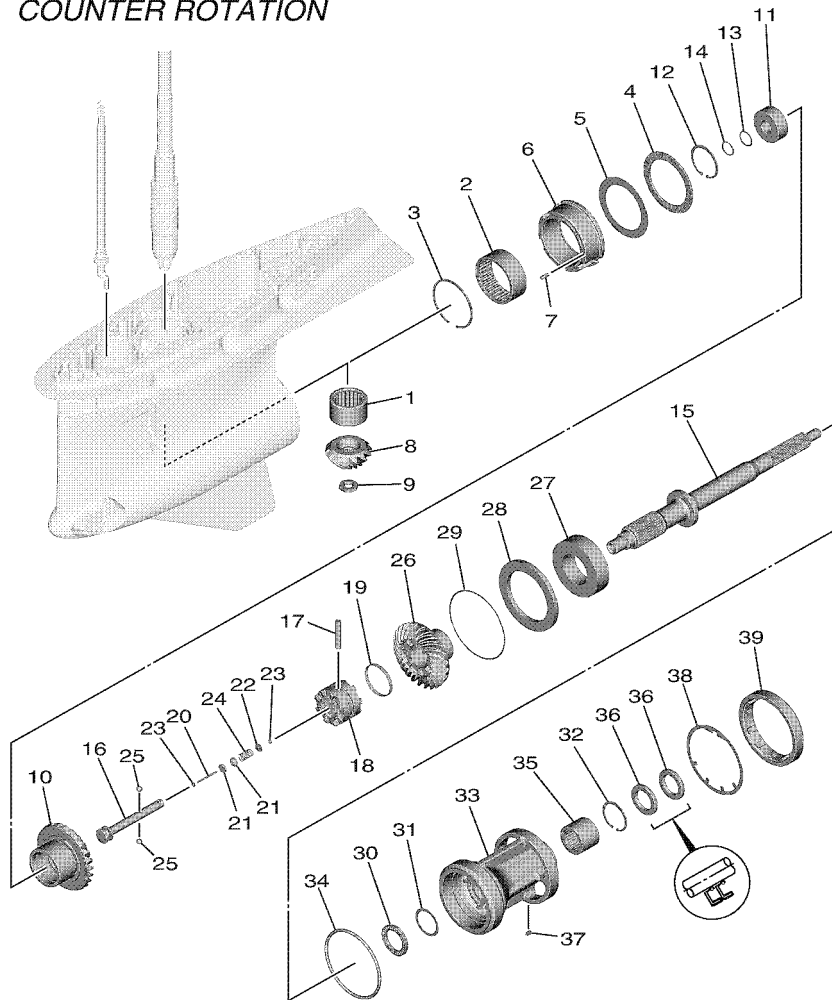


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FIG. 48 LOWER CASING & DRIVE 5

REF. NO.	PART NO.	DESCRIPTION	NSA	NSA2	NSA7	REMARKS
1	93311-944A0	BEARING	1	1	1	
2	93311-675A1	BEARING	1	1	1	
3	93450-92171	CIRCLIP	1	1	1	
4	93340-69012	BEARING	1	1	1	
5	6GR-45567-00	SHIM (T:2.00MM)	1	1	1	UR
	6GR-45567-10	SHIM (T:2.03MM)	1	1	1	UR
	6GR-45567-20	SHIM (T:2.06MM)	1	1	1	UR
	6GR-45567-30	SHIM (T:2.09MM)	1	1	1	UR
	6GR-45567-40	SHIM (T:2.12MM)	1	1	1	UR
	6GR-45567-50	SHIM (T:2.15MM)	1	1	1	UR
	6GR-45567-60	SHIM (T:2.18MM)	1	1	1	UR
	6GR-45567-70	SHIM (T:2.21MM)	1	1	1	UR
6	6GR-45824-00	ADAPTER	1	1	1	
7	93606-16117	PIN, DOWEL	1	1	1	
8	6GR-45551-00	PINION (14T)	1	1	1	
9	90170-18009	NUT	1	1	1	
10	6GS-45561-00	GEAR 1 (25T)	1	1	1	
11	93390-00033	BEARING	1	1	1	
12	99009-62500	CIRCLIP	1	1	1	
13	90201-253K0	WASHER, PLATE (T=1.0)	1	1	1	
14	93440-25020	CIRCLIP	1	1	1	
15	6GS-45611-01	SHAFT, PROPELLER	1	1	1	
16	6GR-45634-00	SLIDE, SHIFT	1	1	1	
17	6GR-45632-00	PIN, CROSS	1	1	1	
18	6GR-45631-00	CLUTCH, DOG	1	1	1	
19	6GR-45633-00	RING, CROSS PIN	1	1	1	
20	6H1-45668-00	SHAFT, FREE 1	1	1	1	

COUNTER ROTATION



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FIG. 48 LOWER CASING & DRIVE 5

REF. NO.	PART NO.	DESCRIPTION	NSA	NSA2	NSA7	REMARKS
21	61A-45635-00	PLUNGER, SHIFT	2	2	2	
22	90201-02M00	WASHER, PLATE	1	1	1	
23	90183-02M03	NUT, SPRING	2	2	2	
24	90501-10M77	SPRING, COMPRESSION	1	1	1	
25	93501-04011	BALL	2	2	2	
26	6GS-45571-00	GEAR 2 (25T)	1	1	1	
27	93332-000B2	BEARING	1	1	1	
28	6GR-45576-00	WASHER, THRUST 2	1	1	1	
29	6GR-45577-00	SHIM (T:0.10MM)	1	1	1	UR
	6GR-45577-10	SHIM (T:0.12MM)	1	1	1	UR
	6GR-45577-20	SHIM (T:0.15MM)	1	1	1	UR
	6GR-45577-30	SHIM (T:0.18MM)	1	1	1	UR
	6GR-45577-40	SHIM (T:0.30MM)	1	1	1	UR
	6GR-45577-50	SHIM (T:0.40MM)	1	1	1	UR
	6GR-45577-60	SHIM (T:0.50MM)	1	1	1	UR
30	93341-440U5	BEARING	1	1	1	
31	6K1-45578-01	SHIM (T:0.10MM)	1	1	1	UR
	6K1-45578-10	SHIM (T:0.12MM)	1	1	1	UR
	6K1-45578-20	SHIM (T:0.15MM)	1	1	1	UR
	6K1-45578-30	SHIM (T:0.18MM)	1	1	1	UR
	6K1-45578-40	SHIM (T:0.30MM)	1	1	1	UR
	6K1-45578-50	SHIM (T:0.40MM)	1	1	1	UR
	6K1-45578-60	SHIM (T:0.50MM)	1	1	1	UR
32	99009-55500	CIRCLIP	1	1	1	
33	6GS-45332-00	HOUSING, BEARING	1	1	1	
34	93211-26001	O-RING	1	1	1	
35	93311-737A2	BEARING	1	1	1	

COUNTER ROTATION

This exploded view diagram illustrates the assembly of a counter rotation mechanism. The components are numbered 1 through 39. The assembly is shown in a disassembled state, with parts arranged in a logical sequence from left to right. Key components include a main housing (1), a central shaft (15), a gear (10), a pinion (18), and various bearings (e.g., 2, 4, 6, 8, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38). A detailed inset shows a cross-section of the shaft (15) and a bearing (36) with a key (37) installed. The diagram is a technical drawing with clear lines and shading to represent the 3D geometry of the parts.



FIG. 48 LOWER CASING & DRIVE 5

[illegible]

COUNTER ROTATION

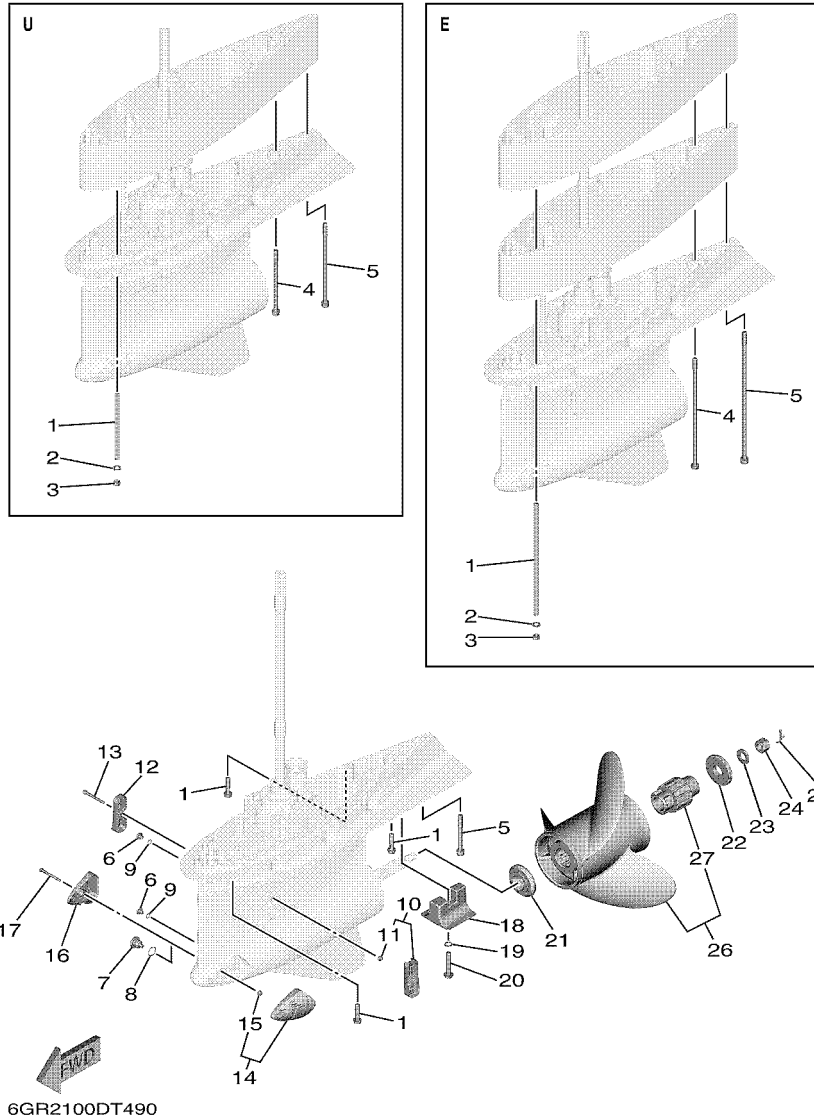


FIG. 49 LOWER CASING & DRIVE 6

REF. NO.	PART NO.	DESCRIPTION	NSA	NSA2	NSA7	REMARKS
1	90119-10024	BOLT, WITH WASHER			9	UR X(25.2")
	90116-10067	BOLT, STUD			8	UR U(30.2")
	90116-10066	BOLT, STUD			8	UR E(35.2")
2	92995-10600	WASHER			8	U(30.2"),E(35.2")
3	95380-10600	NUT			8	U(30.2"),E(35.2")
4	90119-10009	BOLT, WITH WASHER			1	UR U(30.2")
	90119-10060	BOLT, WITH WASHER			1	UR E(35.2")
5	90110-10048	BOLT, HEXAGON SOCKET HEAD			1	UR X(25.2")
	90110-10049	BOLT, HEXAGON SOCKET HEAD			1	UR U(30.2")
	90110-10050	BOLT, HEXAGON SOCKET HEAD			1	UR E(35.2")
6	90340-08003	PLUG, STRAIGHT SCREW			2	
7	6GR-45341-00	PLUG, DRAIN			1	
8	93210-19123	O-RING			1	
9	93210-09165	O-RING			2	
10	6GR-45214-01	COVER, WATER INLET 1			1	
11	90185-06M07	.NUT, SELF-LOCKING			1	
12	6GR-45215-01	COVER, WATER INLET 2			1	
13	90110-06425	BOLT, HEXAGON SOCKET HEAD			1	
14	6GR-45224-01	COVER, WATER INLET 3			1	
15	90185-06M07	.NUT, SELF-LOCKING			1	
16	6GR-45225-01	COVER, WATER INLET 4			1	
17	90110-06425	BOLT, HEXAGON SOCKET HEAD			1	
18	6AW-45373-00	ANODE			1	
19	92990-10300	WASHER			1	
20	90105-10257	BOLT, FLANGE			1	
21	6GR-45987-00	SPACER 1			1	
22	6GR-45997-00	SPACER 2			1	

COUNTER ROTATION

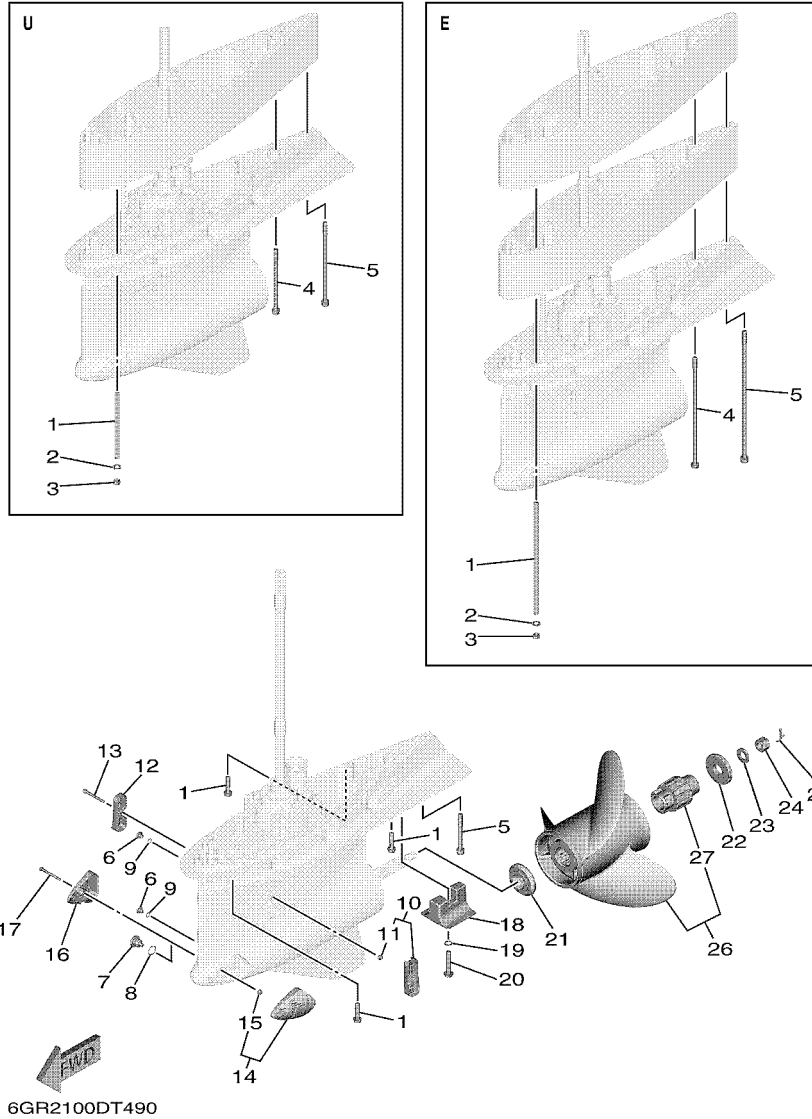
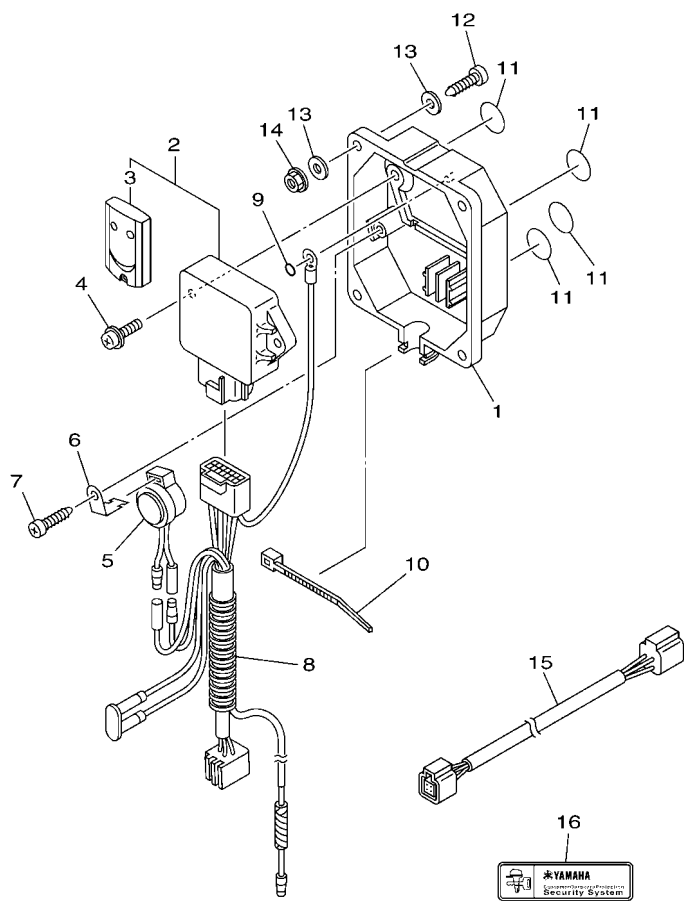


FIG. 49 LOWER CASING & DRIVE 6

REF. NO.	PART NO.	DESCRIPTION	NSA	NSA2	NSA7	REMARKS
23	90201-19M01	WASHER, PLATE			1	
24	90171-18M04	NUT, CASTLE			1	
25	91490-40030	PIN. COTTER			1	
26	6GS-45970-10	PROPELLER (3X17-1/8"X15"-YL)			1	UR
	6GS-45972-10	PROPELLER (3X16-7/8"X17"-YL)			1	UR
	6GS-45974-10	PROPELLER (3X16-5/8"X19"-YL)			1	UR
	6GS-45976-10	PROPELLER (3X16-3/8"X21"-YL)			1	UR
	6GS-45978-10	PROPELLER (3X16-1/8"X23"-YL)			1	UR
	6GS-45930-10	PROPELLER (3X16"X25"-YL)			1	UR
	6GS-45938-10	PROPELLER (3X16-5/8"X18"-YL)			1	UR
	6GS-45936-10	PROPELLER (3X16-3/8"X20"-YL)			1	UR
	6GS-45934-10	PROPELLER (3X16-1/8"X22"-YL)			1	UR
	6GS-45932-10	PROPELLER (3X16"X24"-YL)			1	UR
27	6GR-45C81-10	.DAMPER RUBBER, PROPELLER 1			1	



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FIG. 50 OPTIONAL PARTS

REF. NO.	PART NO.	DESCRIPTION	NSA	NSA2	NSA7	REMARKS
1	6Y8-86267-00	CASE COMPLETE 1	1	1	1	
2	6Y8-86260-12	REMOTE CONTROL UNIT ASSY	1	1	1	UR 315MHz
	6Y8-86260-03	REMOTE CONTROL UNIT ASSY	1	1	1	UR 433MHz
3	6AA-86261-22	.XMTR. COMP.	2	2	2	UR FOR 315MHz
	6AA-86261-01	.XMTR. COMP.	2	2	2	UR FOR 433MHz
4	97980-06216	SCREW, WITH WASHER	2	2	2	
5	6X4-83383-00	BUZZER	1	1	1	
6	6X4-83386-00	STAY, BUZZER	1	1	1	
7	97780-60620	SCREW, TAPPING	1	1	1	
8	6Y8-82509-10	WIRE, SUB LEAD	1	1	1	
9	93210-04279	O-RING	1	1	1	
10	90465-11M10	CLAMP	1	1	1	
11	6Y8-8454G-00	PATCH 1	4	4	4	
12	90167-06M00	SCREW, TAPPING	4	4	4	UR
	97880-06035	SCREW, PAN HEAD	4	4	4	UR
13	90201-06M30	WASHER, PLATE	8	8	8	
14	95780-06300	NUT, FLANGE	4	4	4	
15	6Y8-82521-11	2FT PIGTAIL BUS	1	1	1	
16	6Y8-48277-00	STICKER 1	4	4	4	

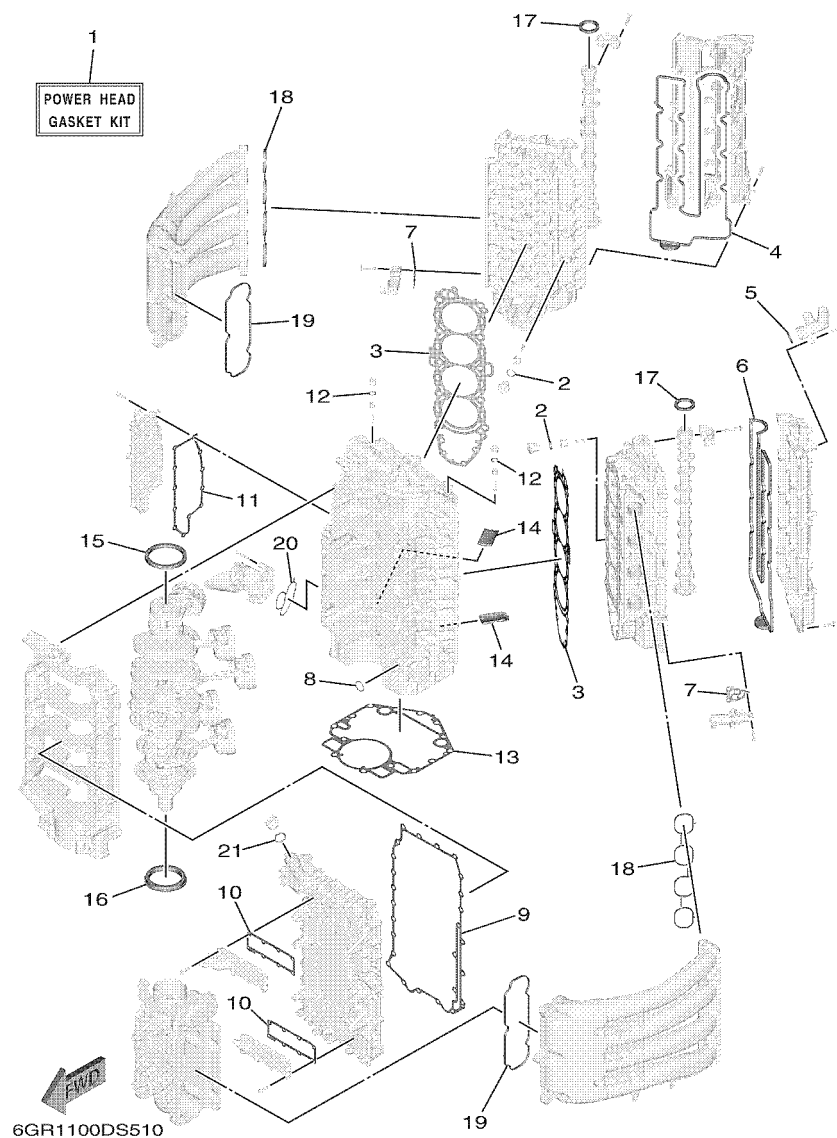


FIG. 51 REPAIR KIT 1

REF. NO.	PART NO.	DESCRIPTION	NSA	NSA2	NSA7		REMARKS
1	6GR-W0001-00	POWER HEAD GASKET KIT	1	1	1		
2	93210-19216	.O-RING	6	6	6		
3	6GR-11181-00	.GASKET, CYLINDER HEAD 1	2	2	2		
4	6GR-11193-00	.GASKET, HEAD COVER 1	1	1	1		
5	93210-28646	.O-RING	1	1	1		
6	6GR-11194-00	.GASKET, HEAD COVER 2	1	1	1		
7	6CB-1242F-00	.GASKET, FILTER	2	2	2		
8	93210-26658	.O-RING	1	1	1		
9	6GR-15451-00	.GASKET, CRANKCASE COVER 1	1	1	1		
10	6GR-1131B-00	.GASKET, COVER	2	2	2		
11	6GR-15353-00	.GASKET, DRAIN	1	1	1		
12	93210-13M63	.O-RING	2	2	2		
13	6GR-11351-00	.GASKET, CYLINDER	1	1	1		
14	6GR-14664-00	.GROMMET, WATER SHUT	2	2	2		
15	93102-90004	.OIL SEAL	1	1	1		
16	93102-85010	.OIL SEAL	1	1	1		
17	93102-38008	.OIL SEAL	2	2	2		
18	6GR-13645-00	.GASKET, MANIFOLD 1	2	2	2		
19	6GR-13646-00	.GASKET, MANIFOLD 2	2	2	2		
20	6GR-13477-00	.GASKET	1	1	1		
21	93210-24M79	.O-RING	1	1	1		

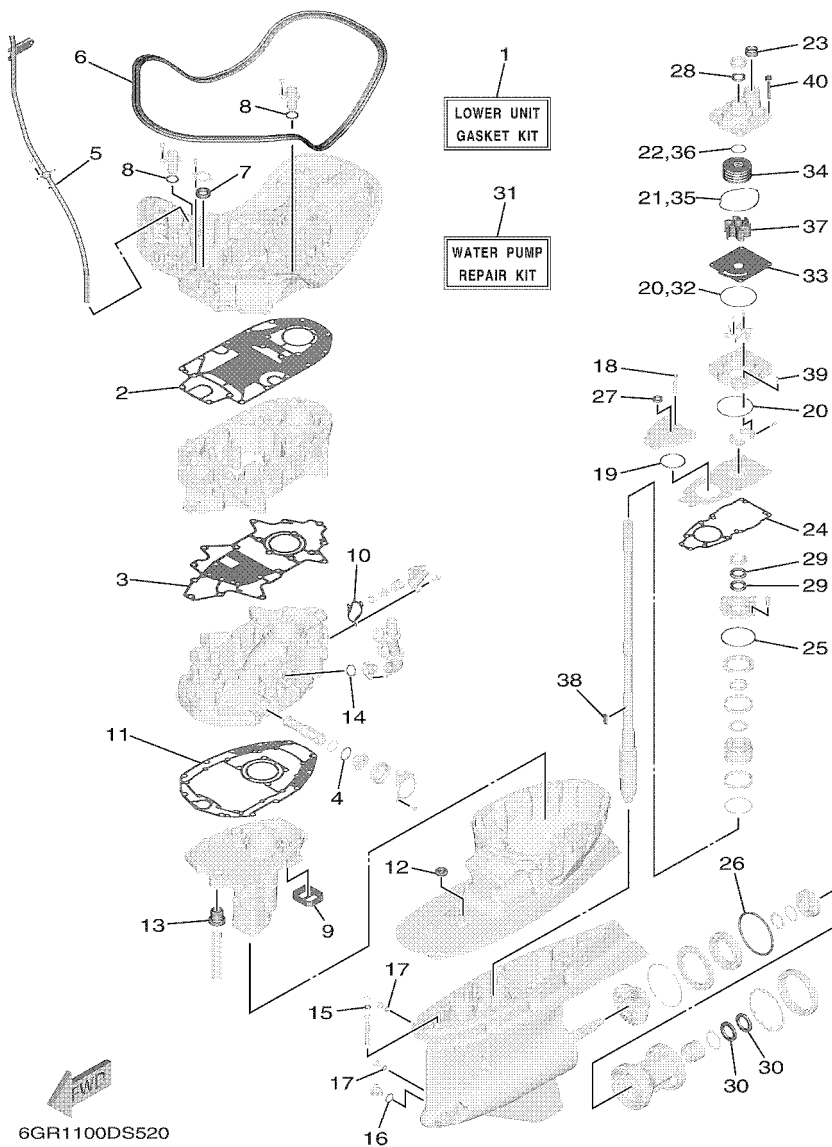


FIG. 52 REPAIR KIT 2

REF. NO.	PART NO.	DESCRIPTION	NSA	NSA2	NSA7		REMARKS
1	6GR-W0001-20	LOWER UNIT GASKET KIT	1	1	1		
2	6GR-15312-00	.GASKET, OIL PAN	1	1	1		
3	6GR-1531C-00	.GASKET, OIL PAN 2	1	1	1		
4	93210-34633	.O-RING	1	1	1		
5	93210-19MJ3	.O-RING	1	1	1		
6	6GR-42716-00	.RUBBER SEAL 1	1	1	1		
7	93102-26004	.OIL SEAL	1	1	1		
8	6GR-44366-00	.DAMPER, WATER SEAL 2	2	2	2		
9	6GR-45127-00	.SEAL	1	1	1		
10	6EK-12435-A0	.GASKET	1	1	1		
11	6GR-45113-00	.GASKET, UPPER CASING	1	1	1		
12	6GR-44521-00	.SEAL	1	1	1		
13	6GR-44367-00	.DAMPER, WATER SEAL 3	1	1	1		
14	6GR-44366-00	.DAMPER, WATER SEAL 2	2	2	2		
15	93210-10010	.O-RING	1	1	1		
16	93210-19123	.O-RING	1	1	1		
17	93210-09165	.O-RING	2	2	2		
18	93210-07100	.O-RING	1	1	1		
19	93210-64488	.O-RING	1	1	1		
20	93210-97690	.O-RING	2	2	2		
21	93211-08001	.O-RING	1	1	1		
22	93210-37160	.O-RING	1	1	1		
23	6GR-44365-00	.DAMPER, WATER SEAL 1	1	1	1		
24	6GR-44315-00	.GASKET, WATER PUMP	1	1	1		
25	93210-89535	.O-RING	1	1	1		
26	93211-26001	.O-RING	1	1	1		
27	93106-14001	.OIL SEAL	1	1	1		

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PART NO.	REF. NO.	PART NO.	REF. NO.	PART NO.	REF. NO.	PART NO.	REF. NO.	PART NO.	REF. NO.	PART NO.	REF. NO.
6GR-11000-01	4 - 1	6GR-11427-00	5 - 16	6GR-12153-P0	9 - 8	6GR-12594-00	8 - 12	6GR-14615-00-9S	14 - 1	6GR-24224-00	16 - 3
6GR-11110-00	6 - 2	6CB-11427-03	5 - 14	6GR-12153-R0	9 - 8	6GR-12645-00	10 - 8	6GR-14625-00-9S	14 - 2	6GR-24251-00	19 - 5
6GR-11120-00	6 - 12	6GR-11567-00	10 - 6	6GR-12153-S0	9 - 8	6GR-12651-00	21 - 10	6GR-14635-00-9S	15 - 1	6AW-24300-00	18 - 8
6DA-11133-10	6 - 3	6P2-11590-01	10 - 16	6GR-12153-T0	9 - 8	6GR-12653-00	21 - 13	6GR-14643-00	15 - 16		19 - 8
	6 - 13	6GR-115A0-00	10 - 5	6GR-12171-00	10 - 1	6GR-12659-00	21 - 15	6GR-14645-00-9S	15 - 4	6P2-24300-00	17 - 37
6GR-11135-00	7 - 2	6GR-11603-00	5 - 20	6GR-12172-00	10 - 3	6GR-13016-00	19 - 7	6GR-14656-00-9S	15 - 14	6AW-24300-10	16 - 21
6GR-11136-00	7 - 10	6GR-11631-00	5 - 19	6GR-12181-00	10 - 2	6GR-13160-09	19 - 20	6GR-14664-00	4 - 44		18 - 7
6GR-11181-00	6 - 25	6GR-11633-00	5 - 21	6GR-12182-00	10 - 4	6GR-13188-00	5 - 4		51 - 14	6GR-24311-00	17 - 3
	51 - 3	6GR-11634-00	5 - 22	6GR-12199-00	5 - 8	6GR-13300-00	13 - 1	6GR-14711-00	41 - 1	6GR-24312-00	17 - 16
6GR-11186-00	23 - 22	63P-11654-10	5 - 18	6GR-12210-00	10 - 12	6GR-13411-00	1 - 6	6GR-14753-00	40 - 26	6GR-24313-00	18 - 1
6GR-11187-00	23 - 28	6GR-11656-00	5 - 23	6GR-12230-00	10 - 13		43 - 15	6GR-15109-00-9S	4 - 2	6GR-24314-00	18 - 2
6GR-11191-00-9S	7 - 1	6GR-11656-10	5 - 23	6GR-12411-00	1 - 3	6GR-13437-60	21 - 27	6P2-15187-00	4 - 7	6GR-24315-00	18 - 3
6GR-11192-00-9S	7 - 6	6GR-11656-20	5 - 23		4 - 33	N26-13440-02	1 - 7	6GR-15311-00	43 - 8	6GR-24316-00	18 - 4
6GR-11193-00	7 - 4	6GR-11927-00	7 - 19	66M-12411-01	1 - 19		13 - 3	6GR-15312-00	43 - 1	6GR-24317-00	18 - 5
	51 - 4	6GR-12111-00	9 - 1		4 - 25	6GR-13446-00	13 - 5		52 - 2	6GR-24321-00	17 - 19
6GR-11194-00	7 - 12	6CB-12113-00	9 - 4	6H3-12411-20	1 - 18	67F-13448-00	2 - 18	6GR-15316-00	43 - 20	6GR-24322-00	17 - 33
	51 - 6	51Y-12119-00	9 - 7		4 - 17		3 - 17	6GR-1531A-00	11 - 12	6GR-24323-00	17 - 36
6GR-11197-00	6 - 21	6DX-12121-00	9 - 2	688-12412-00	4 - 26	6GR-13473-00	13 - 11	6GR-1531A-10	11 - 13	6GR-24324-00	17 - 39
6G8-11197-A0	4 - 38	6GR-12145-00	9 - 8	6GR-12412-00	4 - 34	6GR-13477-00	13 - 6	6GR-1531B-00	43 - 2	6GR-24325-00	17 - 43
	14 - 4	6GR-12145-10	9 - 8	6H3-12412-10	4 - 18		51 - 20	6GR-1531C-00	43 - 3	6E5-24351-51	17 - 4
	15 - 8	6GR-12145-20	9 - 8	6GR-12413-00	4 - 35	6GR-13490-00	13 - 10		52 - 3	6AW-24360-01	20 - 1
6GR-1131B-00	4 - 20	6GR-12145-30	9 - 8	6G5-12416-00	43 - 22	6GR-13556-00	12 - 9	6GR-15351-00	43 - 12	6GR-24376-00	8 - 5
	51 - 10	6GR-12145-40	9 - 8	6GR-12417-00-9S	4 - 22	68V-13577-00	16 - 18	6GR-15353-00	4 - 27	6AW-24377-01	17 - 2
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	1 - 8	6GR-12145-60	9 - 8	6CB-1242F-00	7 - 15	6GR-13593-00	16 - 9	6GR-15362-00	43 - 16	6E5-24378-00	17 - 17
	1 - 9	6GR-12153-00	9 - 8		51 - 7	6GR-13641-00	11 - 7	6G8-15363-00	13 - 8	6GR-24378-00	29 - 18
	4 - 37	6GR-12153-10	9 - 8	6EK-12435-A0	43 - 28	63P-13643-00	12 - 8	6GR-15377-00	43 - 17	6E5-24379-00	42 - 9
	14 - 6	6GR-12153-20	9 - 8		52 - 10	6GR-13645-00	11 - 8	6GR-15411-00-9S	4 - 11	6GR-243A1-00	19 - 1
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6AW-1132L-00	1 - 1	6GR-12153-40	9 - 8	6GR-1243A-00	8 - 8	6GR-13646-00	11 - 9	6GR-15414-00-9S	4 - 16	6GR-243A3-00	19 - 3
	6 - 23	6GR-12153-50	9 - 8	6GR-1243E-00	8 - 9		51 - 19	6GR-15423-00-9S	4 - 19	6GR-243A4-00	19 - 4
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	4 - 31	6GR-12153-70	9 - 8	6GR-1244H-00	8 - 13	6GR-13716-00	16 - 16		51 - 9	6R5-24408-10	17 - 34
6GR-11351-00	4 - 43	6GR-12153-80	9 - 8	6GR-1244J-00	8 - 1	6GR-13750-00	12 - 1	6GR-2153A-00	2 - 23	6GR-24410-00	17 - 22
	51 - 13	6GR-12153-90	9 - 8	6GR-12451-00	44 - 18	6GR-13751-00	12 - 2	6GR-2153B-00	2 - 24	6GR-2441R-00	16 - 6
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6GR-11372-00	7 - 7	6GR-12153-B0	9 - 8	6EK-1246A-00-9S	43 - 21	6GR-13781-00	16 - 5	6GR-22472-00	38 - 28	6GR-24425-00	17 - 20
6GR-11411-01	5 - 1	6GR-12153-C0	9 - 8	6GR-12482-00	15 - 23	6GR-13898-00	12 - 4	6GR-23113-00	39 - 48	6GR-24426-00	17 - 27
6GR-11416-00	5 - 11	6GR-12153-D0	9 - 8	6GR-12491-00	42 - 12	6GR-13910-00	19 - 12	6GR-2318F-00	42 - 8	6GR-24430-00	16 - 12
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6GR-11416-20	5 - 11	6GR-12153-F0	9 - 8	6R3-12572-00	29 - 11	6GR-14197-00	16 - 17	6GR-24113-00	16 - 22	6GR-24460-00	18 - 12
6GR-11416-30	5 - 11	6GR-12153-G0	9 - 8	6GR-12577-00	29 - 16	6GR-14295-00	19 - 17	6GR-2415H-00	16 - 23	6GR-24460-20	17 - 40
6GR-11417-00	5 - 12	6GR-12153-H0	9 - 8	6GR-1257A-00	43 - 32	6GR-14296-00	19 - 18	6GR-24196-00	16 - 10	6CB-24461-00	18 - 9
6GR-11417-10	5 - 12	6GR-12153-J0	9 - 8	6GR-12581-00	43 - 33	6AW-1441J-00	11 - 3	6GR-2419A-00	16 - 11		19 - 9
6GR-11417-20	5 - 12	6GR-12153-K0	9 - 8	6R3-12581-00	29 - 13	6GR-14440-00	11 - 1	6GR-24217-00	18 - 11	6GR-24462-00	17 - 24
6GR-11417-30	5 - 12	6GR-12153-L0	9 - 8	6GR-12582-00	29 - 14	6FM-14562-00	16 - 14	6GR-24218-00	16 - 4	6GR-24474-00	18 - 13
6GR-11426-00	5 - 15	6GR-12153-M0	9 - 8	6R3-12583-00	29 - 15	6GR-14567-00	16 - 19	6GR-24220-00	16 - 1	6GR-24491-00	17 - 26
6CB-11426-03	5 - 13	6GR-12153-N0	9 - 8	6GR-12584-00	40 - 19	6GR-14613-00	14 - 3	6GR-24223-00	16 - 2	6DA-24492-00	17 - 23

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PART NO.	REF. NO.	PART NO.	REF. NO.	PART NO.	REF. NO.	PART NO.	REF. NO.	PART NO.	REF. NO.	PART NO.	REF. NO.
6GR-244A1-00	16 - 7	6GR-42615-00	30 - 10	6GR-42740-00	32 - 1	6GR-4311B-00-CE	35 - 7	6KN-43828-00	38 - 47	69J-4388F-00	38 - 45
6GR-24501-00	19 - 6	6GR-4261A-01-8D	2 - 2	6GR-42740-00-8D	32 - 1	6GR-43121-00	36 - 36	6EK-43829-00	38 - 50	6GR-4388F-00	38 - 25
6GR-24560-00	17 - 5	6GR-4261A-01-CE	2 - 2	6GR-42740-00-CE	32 - 1	6GR-43126-00	36 - 23	6GR-4382A-00	36 - 21	6GR-4388H-00	38 - 43
6GR-24561-00	17 - 6	6GR-42622-00	30 - 4	6GR-42742-00	43 - 26	6GR-43144-00	35 - 19	6GR-4382E-00	38 - 11	6GR-43892-00	39 - 4
6P3-24563-01	1 - 10	6GR-42623-00	30 - 8	6GR-42743-00	7 - 20	6G5-43148-00	35 - 24	6D8-4382L-00	39 - 34	6GR-43895-00	39 - 35
	17 - 8	6GR-42625-00	30 - 19	6GR-42744-00	30 - 2	6GR-43181-00	35 - 21	6GR-43830-00	39 - 13	69J-4389J-00	39 - 23
6P3-24564-00	1 - 11	6GR-42625-00-8D	30 - 19		30 - 6	6GR-43185-00	35 - 22	69J-43831-00	39 - 41		39 - 43
	17 - 7	6GR-42625-00-CE	30 - 19	60V-42747-10	40 - 17	6GR-43311-00-8D	35 - 17	6GR-43835-00	38 - 22	6GR-438A0-01	36 - 31
6GR-24566-00	17 - 11	6GR-42629-00	2 - 20	6GR-42748-00	30 - 20	6GR-43311-00-CE	35 - 17	6GR-4383E-00	27 - 4	6GR-44117-00	34 - 6
6GR-24568-00	17 - 9		3 - 18	6H4-42748-00	29 - 10	6GR-43318-00	36 - 7	6GR-4383K-00	42 - 3	6GR-44120-00	34 - 20
6GR-24595-00	19 - 14	6GR-42643-00	2 - 8	6GR-42753-00	29 - 26	6GR-43318-00-8D	36 - 7	6GR-43840-00	38 - 2	6GR-44121-00	34 - 17
6GR-24596-00	17 - 47		3 - 7	6GR-42758-00	30 - 13	6GR-43318-00-CE	36 - 7	6CJ-43841-00	39 - 15	6CE-44122-00	34 - 11
6GR-24599-00	19 - 22	6GR-42647-00	2 - 5		30 - 22	6GR-43333-00	35 - 14	6D8-43843-00	39 - 29	6GR-44150-01	44 - 15
6GR-2464E-00	18 - 18		3 - 4	6GR-42761-00	29 - 6	6GR-43341-00	36 - 1	6D8-43844-00	39 - 28	6GS-44150-01	47 - 15
6GR-24864-00	36 - 9	6GR-42648-00	2 - 6	6GR-42768-00	30 - 18	6GR-43342-00	36 - 2	6H1-43844-10	39 - 32	6GR-44150-11	44 - 15
6KN-25415-00	38 - 36		3 - 5	6GR-42769-00	30 - 11	6GR-43376-00	35 - 30	6GR-43845-00	38 - 30	6GS-44150-11	47 - 15
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