



MID-SECTION

Section 5A - Clamp/Swivel Brackets & Drive Shaft Housing

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Specifications

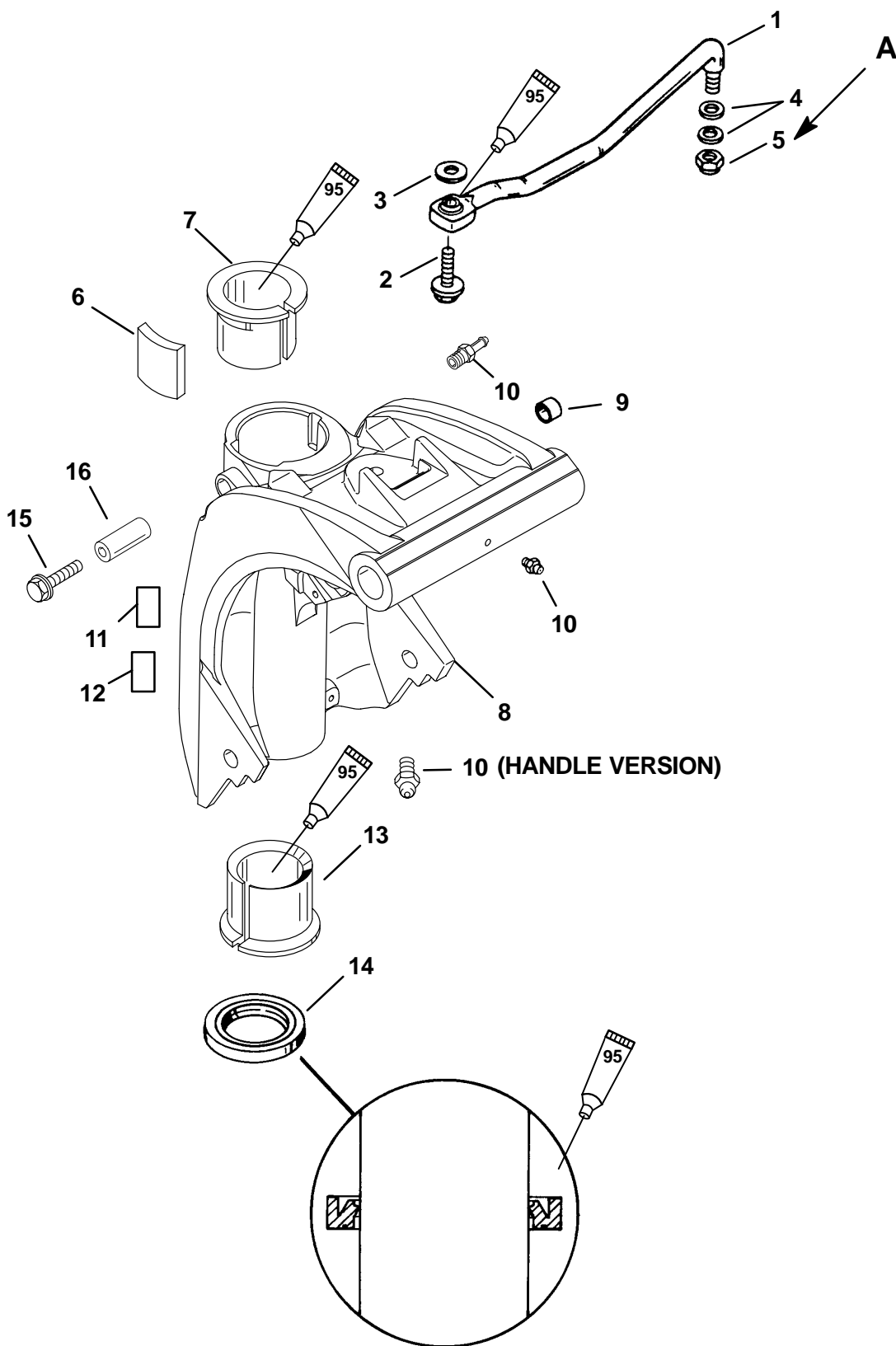
MID-SECTION	Transom Height:	20 in. (51 cm)	
	Long Shaft		
	Steering Pivot Range:		
	Tiller		90°
	Remote		60°
Full Tilt Up Angle	71°		
Allowable Transom Thickness	2-3/4 in. (69.8 mm)		

**5
A**

Part No.	Description
92-809822	Loctite Pipe Sealant w/Teflon
92-850735A1	Anti-Corrosion Grease
92-850736A1	2-4-C w/Teflon
92-828000A12	4-Stroke Outboard Oil



SWIVEL BRACKET



 95 2-4-C With Teflon (92-825407A12)

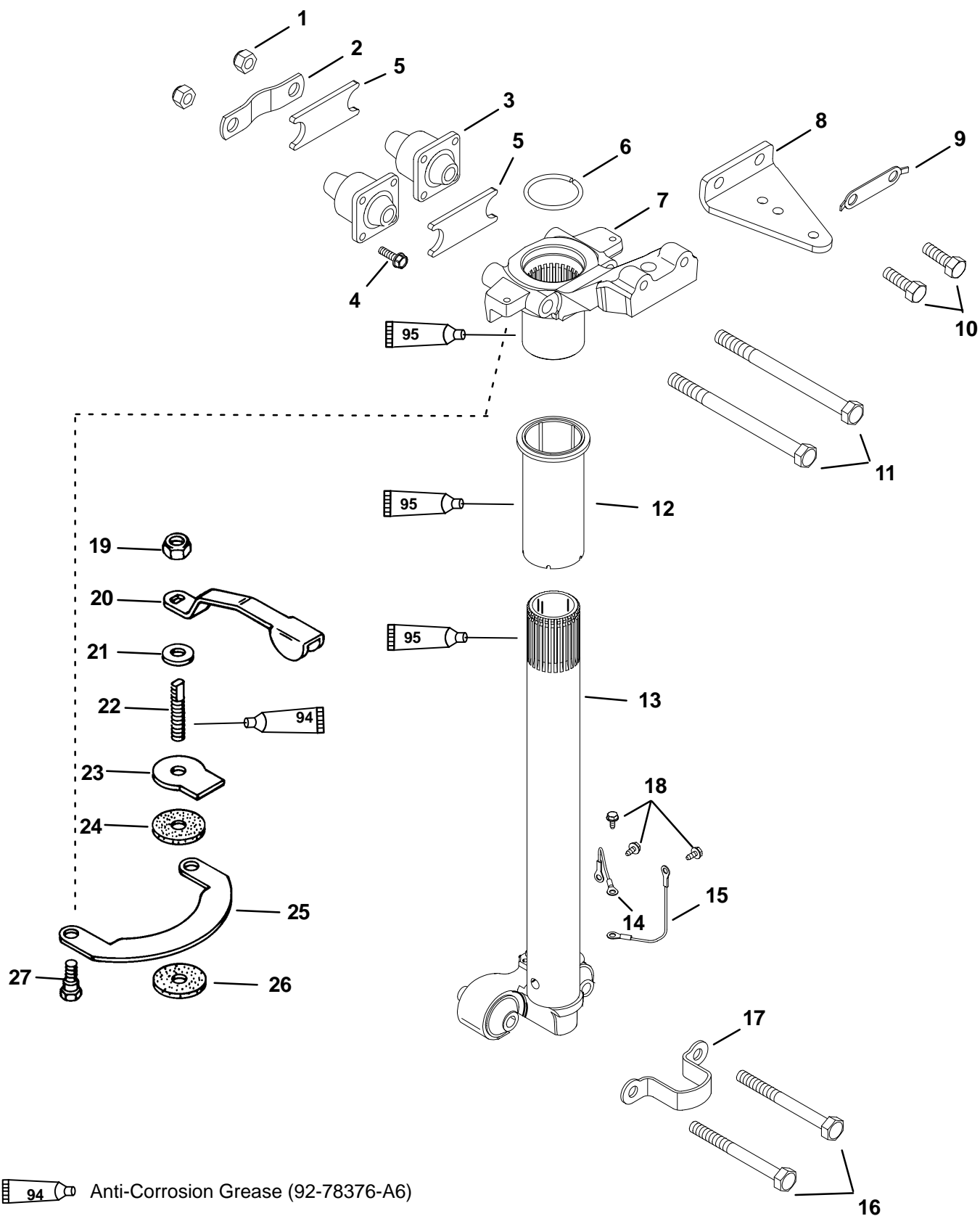
A = TORQUE NUT 120 LB. (13.5 N_M) AND THEN BACK OFF 1/4 TURN.

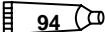
**SWIVEL BRACKET**

REF. NO.	QTY.	DESCRIPTION	TORQUE		
			lb-in	lb-ft	Nm.
1	1	LINK ROD			
2	1	SCREW (1-1/2 IN.)		20	27.0
3	1	WASHER ELECTRIC NON HANDLE			
4	2	WASHER			
5	2	NUT (.375-24)	120		13.5
6	1	PUCK			
7	1	BUSHING			
8	1	SWIVEL BRACKET			
9	2	BEARING			
10	2	GREASE FITTING (Qty. of 3 required on Handle Versions)			
11	1	DECAL-Co-Pilot (HANDLE)			
12	1	DECAL-Serial Overlamine			
13	1	BUSHING (LOWER)			
14	1	SEAL			
15	1	SCREW (M8 x 10) (HANDLE)			
	1	SCREW (M8 x 25) NON-HANDLE			
16	1	SEAL			



STEERING ARM



 94 Anti-Corrosion Grease (92-78376-A6)

 95 2-4-C With Teflon (92-825407A12)

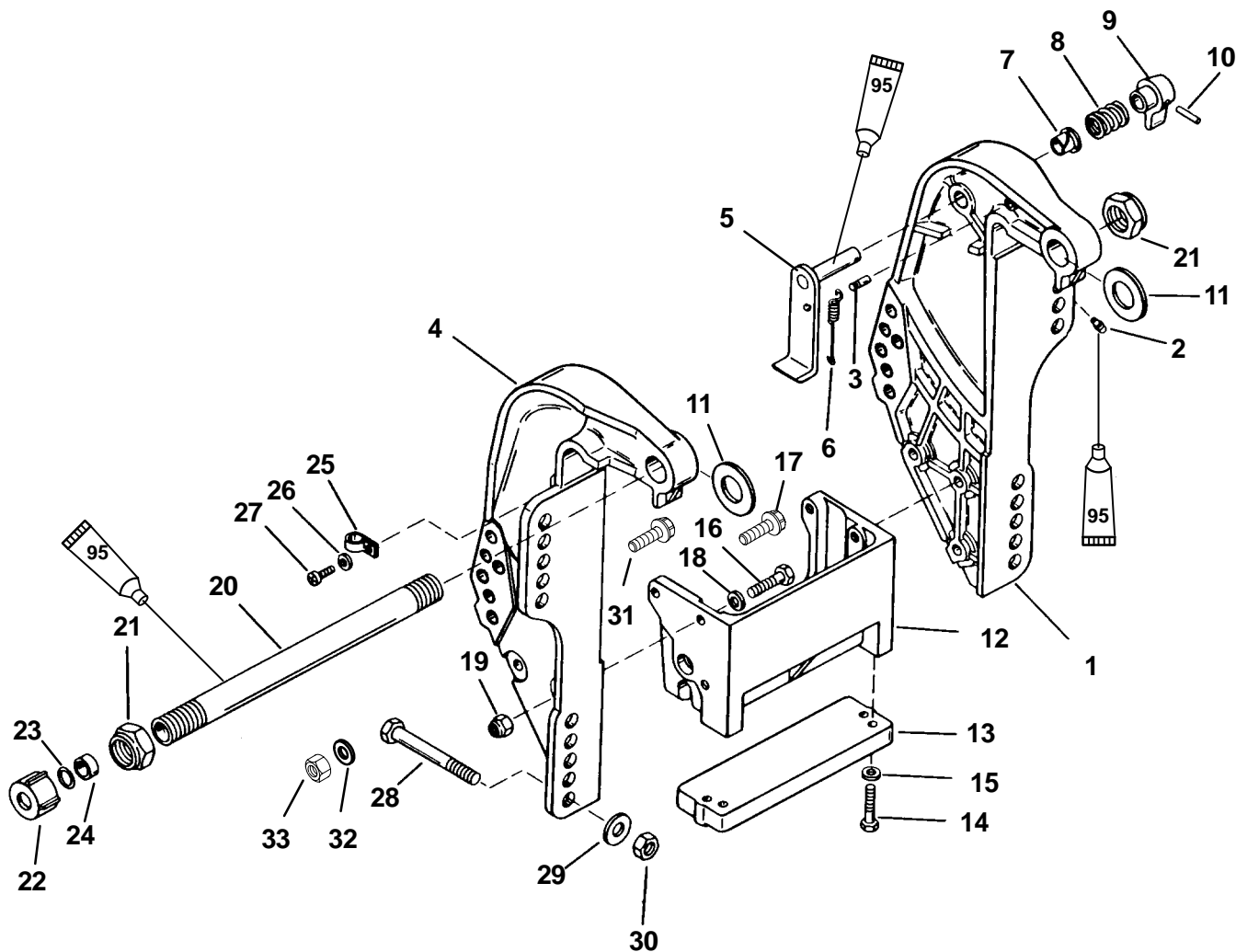


STEERING ARM

REF. NO.	QTY.	DESCRIPTION	TORQUE		
			lb-in	lb-ft	Nm.
1	2	NUT	50		5.7
2	1	STRAP			
3	2	MOUNT			
4	8	SCREW (M6 X 20)	130		14.7
5	2	BUMPER			
6	1	RETAINING RING			
7	1	STEERING ARM			
8	1	BRACKET (NON-HANDLE)			
9	1	TAB WASHER (NON-HANDLE)			
10	2	SCREW (M10 X 30)	32		3.7
11	2	SCREW (M12 X 154)		50	67.8
12	1	SPACER			
13	1	SWIVEL TUBE			
14	1	GROUND STRAP			
15	1	GROUND STRAP			
16	2	SCREW (M10 X 105)		32.5	44
17	1	STRAP - LOWER MOUNT			
18	3	SCREW (SELF-TAPPING)	Drive Tight		
19	1	NUT (.375-24) (HANDLE)			
20	1	LEVER - CO-PILOT (HANDLE)			
21	1	WASHER (HANDLE)			
22	1	ROD (THREADED) (HANDLE)			
23	1	BRACKET PLATE (HANDLE)			
24	1	DISC (HANDLE)			
25	1	PLATE (HANDLE)			
26	1	DISC (HANDLE)			
27	2	SCREW (HEX SHOULDER) (HANDLE)	70		7.9



TRANSOM BRACKET



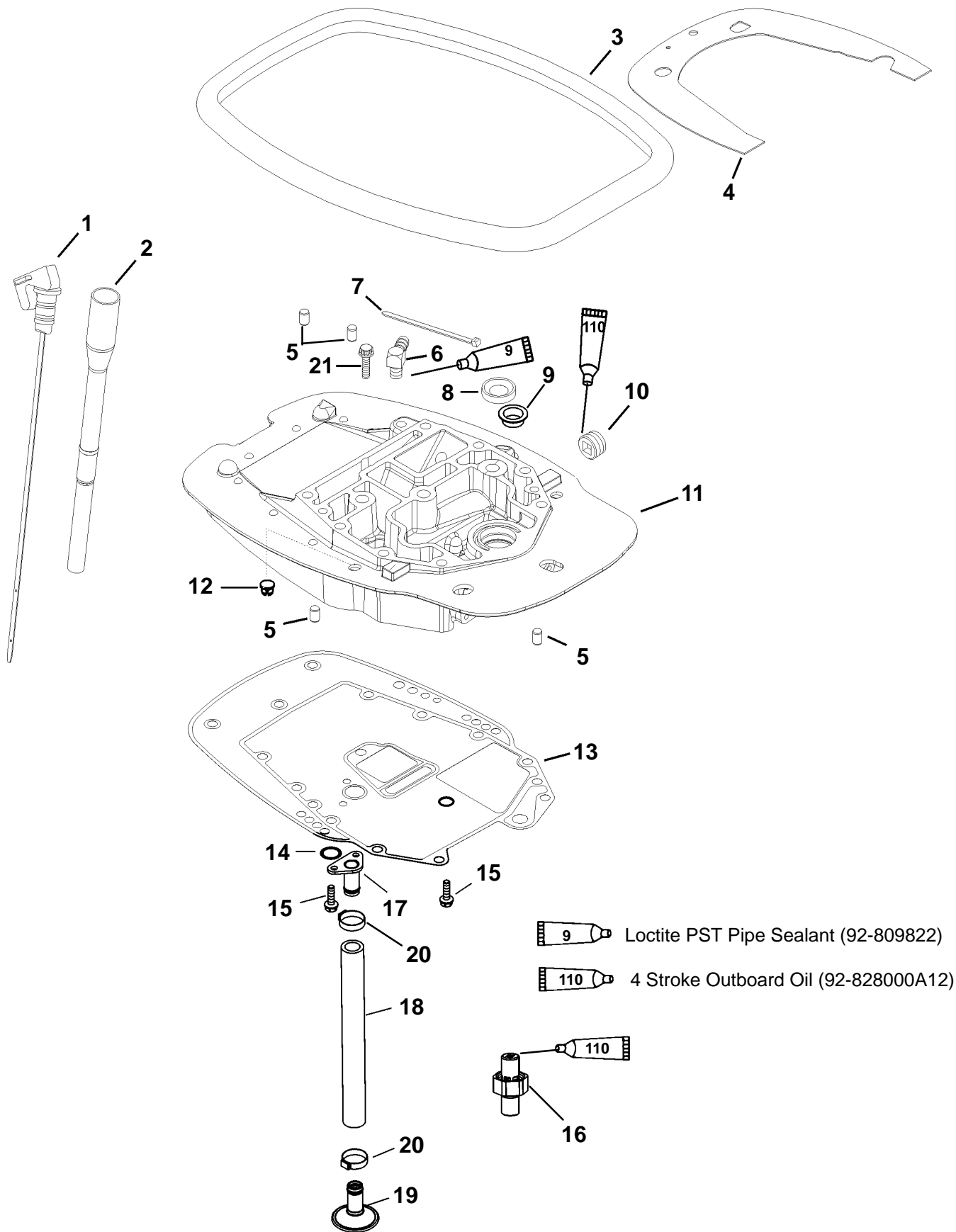
 95 2-4-C With Teflon (92-825407A12)

**TRANSOM BRACKET**

REF. NO.	QTY.	DESCRIPTION	TORQUE		
			lb-in	lb-ft	Nm.
1	1	TRANSOM BRACKET (PORT)			
2	1	GREASE FITTING			
3	1	GROOVE PIN			
4	1	TRANSOM BRACKET (STARBOARD)			
5	1	TILT LOCK LEVER			
6	1	SPRING			
7	1	NYLINER			
8	1	SPRING			
9	1	KNOB			
10	1	GROOVE PIN			
11	2	WASHER			
12	1	ANCHOR BRACKET			
13	1	ANODE ASSEMBLY			
14	2	SCREW (M6 X 25)	60		6.8
15	2	WASHER			
16	5	SCREW (30 MM)		25	33.9
17	1	SCREW (35 MM)		32.5	44
18	4	LOCKWASHER			
19	2	NUT			
20	1	TILT TUBE			
21	2	NUT			Tighten nut to 32 lb-ft and then back off 1/4 turn.
22	1	SEAL KIT (NON-HANDLE)			
23	1	O RING (NON-HANDLE)			
24	1	SPACER (NON-HANDLE)			
25	2	CLIP			
26	1	C-WASHER			
27	1	SCREW (10-16 X 5/8)			Drive Tight
28	4	SCREW			Drive Tight
29	4	WASHER			Drive Tight
30	4	NUT			
31	2	SCREW (M10 X 40)			
32	2	WASHER			
33	2	NUT			



ADAPTOR PLATE



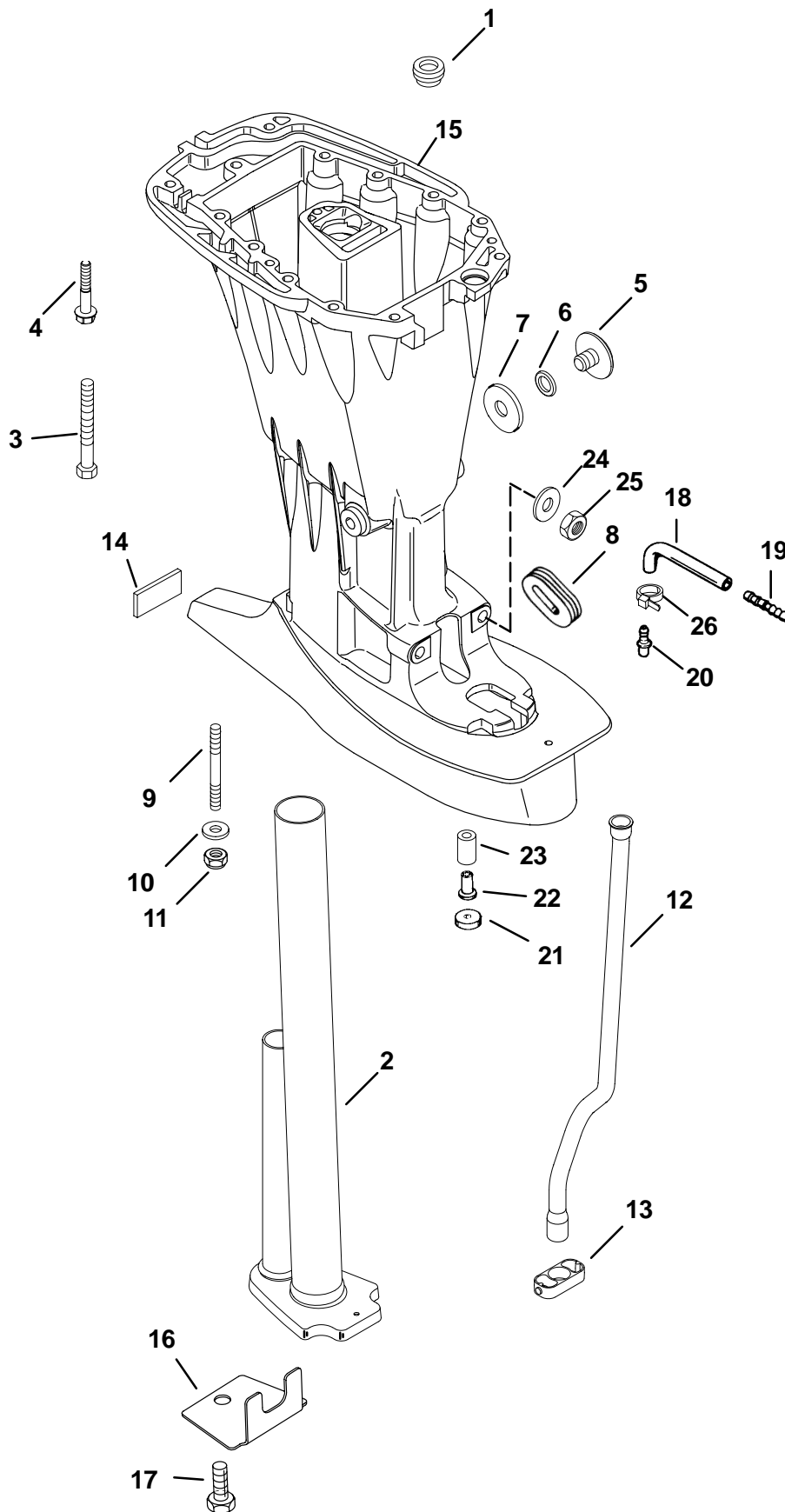


ADAPTOR PLATE

REF. NO.	QTY.	DESCRIPTION	TORQUE		
			lb-in	lb-ft	Nm.
1	1	DIPSTICK			
2	1	DIPSTICK TUBE			
3	1	SEAL			
4	1	HEAT SHIELD			
5	4	DOWEL PIN			
6	1	ELBOW			
7	2	STA-STRAP			
8	1	SEAL-DRIVESHAFT			
9	1	BUSHING			
10	1	PLUG-OIL PASSAGE		24.3	33
11	1	ADAPTOR PLATE			
12	1	PLUG			
13	1	GASKET			
14	1	O RING			
15	3	SCREW (M6 X 20)	75		8.5
16	1	OIL PRESSURE RELIEF VALVE	34		3.8
17	1	PLATE-TOP OIL PICKUP			
18	1	HOSE-OIL PICKUP			
19	1	BAFFLE			
20	2	CLAMP			
21	1	SCREW (M6 X 55)	150		17



DRIVESHAFT HOUSING



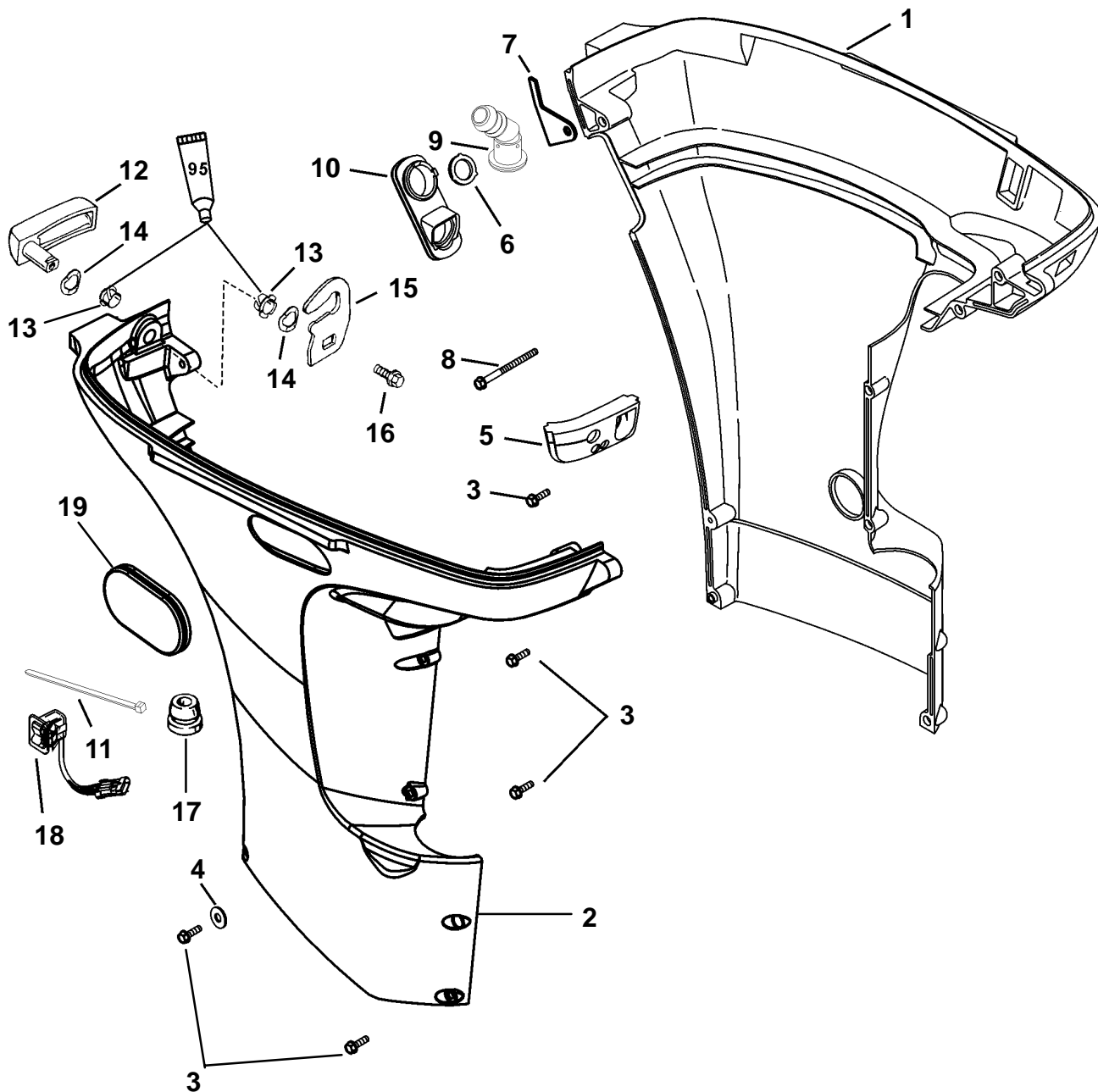


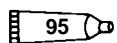
DRIVESHAFT HOUSING

REF. NO.	QTY.	DESCRIPTION	TORQUE		
			lb-in	lb-ft	Nm.
1	1	SEAL–water tube			
2	1	EXHAUST PIPE			
3	8	SCREW (M8x110)		33	44.7
4	5	SCREW (M8 x 45)		28	38
5	1	DRAIN PLUG	210	17.5	23.5
6	1	GASKET			
7	2	BUMPER			
8	1	GROMMET			
9	1	STUD (M10 x 50) (NON-BIGFOOT)		12	16.3
	1	STUD (M10 x 100) (BIGFOOT)		12	16.3
10	1	WASHER			
11	1	NUT		40	54.5
12	1	WATER TUBE			
13	1	GUIDE			
14	1	BUMPER (LONG)			
15	1	DRIVESHAFT HOUSING			
16	1	PLATE			
17	1	SCREW (M10 X 25)		26	35.3
18	1	SPEEDOMETER PICK UP			
19	1	CONNECTOR			
20	1	FITTING			
21	1	SPACER			
22	1	COUPLING			
23	1	BUSHING			
24	2	WASHER			
25	2	NUT			
26	1	STA-STRAP			



BOTTOM COWL



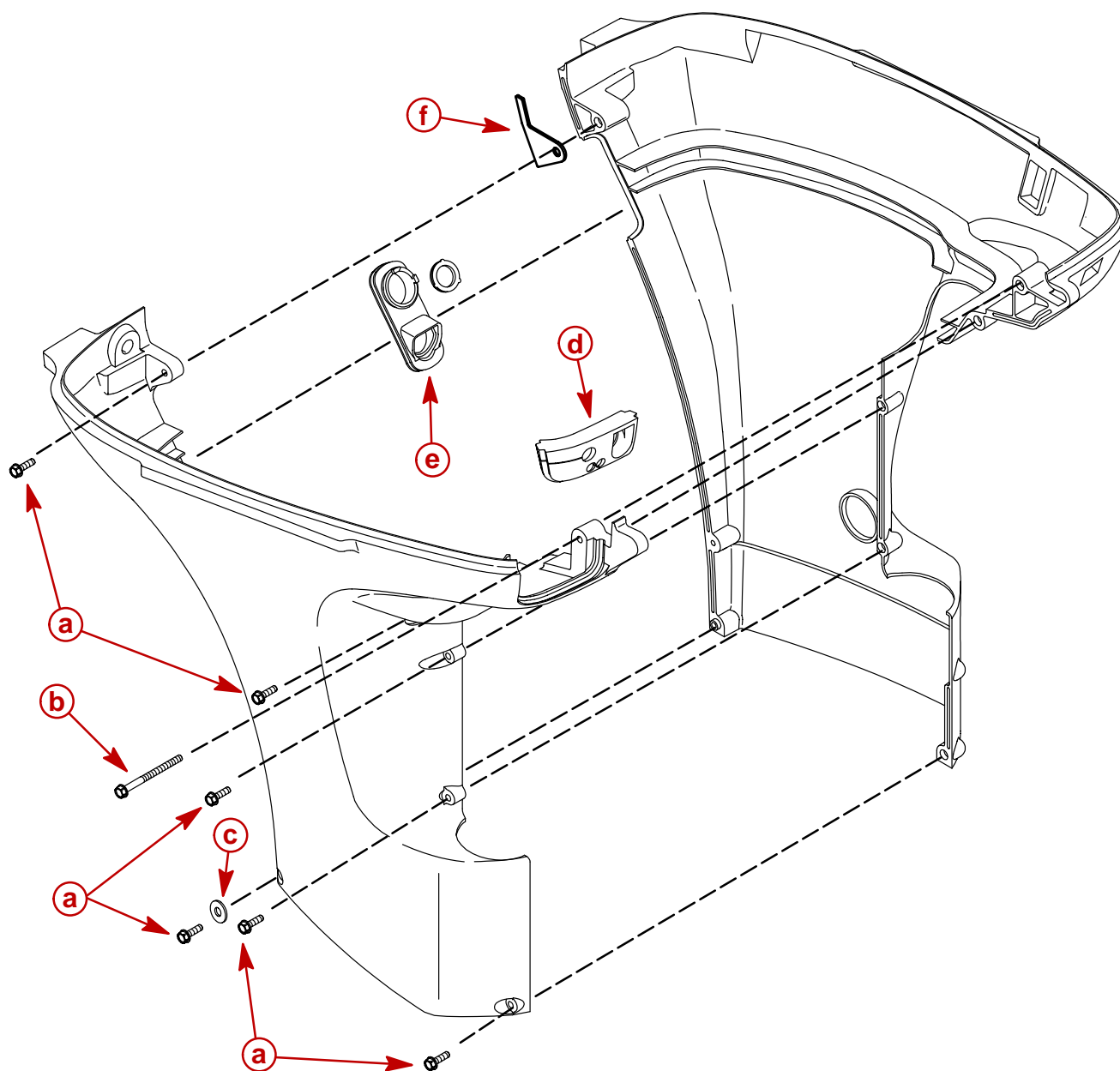
 95 2-4-C With Teflon (92-850736A1)

**BOTTOM COWL**

REF. NO.	QTY.	DESCRIPTION	TORQUE		
			lb-in	lb-ft	Nm.
1	1	BOTTOM COWL (LONG-PORT)			
2	1	BOTTOM COWL (LONG-STBD.)			
3	6	SCREW (M6 X 30)	60		6.8
4	1	WASHER			
5	1	SEAL			
6	1	WASHER			
7	1	GASKET			
8	1	SCREW (M6 X 60)	60		6.8
9	1	FITTING-TELLTALE			
10	1	BOOT			
11	1	STA-STRAP			
12	1	LEVER-COWL LATCH			
13	2	BUSHING			
14	2	WAVE WASHER			
15	1	LATCH HOOK			
16	1	SCREW (M6 X 16)	60		6.8
17	1	GROMMET			
18	1	SWITCH			
19	1	GROMMET			



Bottom Cowl Removal/Installation

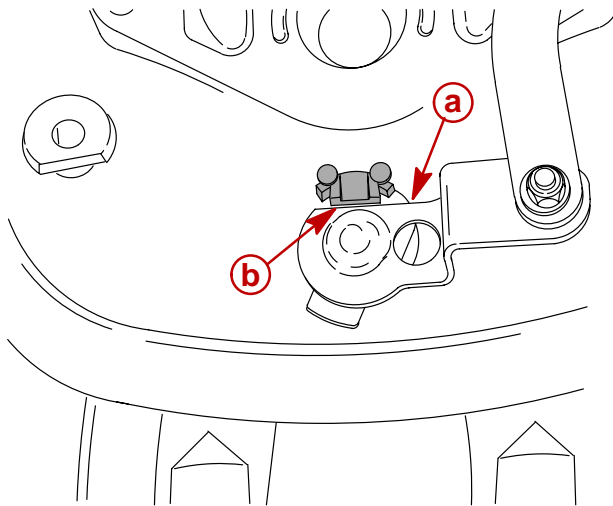


- a** - Cowl Screws (6) M6 x 30
- b** - Cowl Screw (1) M6 x 60
- c** - Washer
- d** - Grommet
- e** - Boot
- f** - Gasket

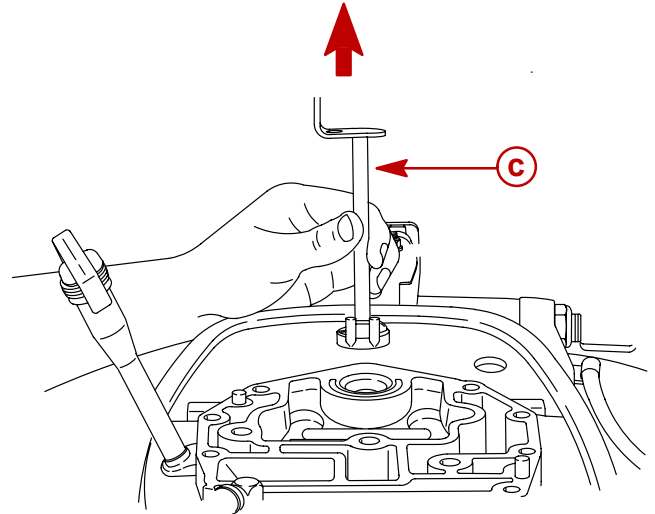


Adaptor Plate Removal

1. Remove powerhead, refer to section 4B.
2. Remove lower unit, refer to section 6.
3. Rotate shift linkage until the flat on the shift shaft bracket lines up with the flat on the bushing. Pull the shift shaft straight up and out.



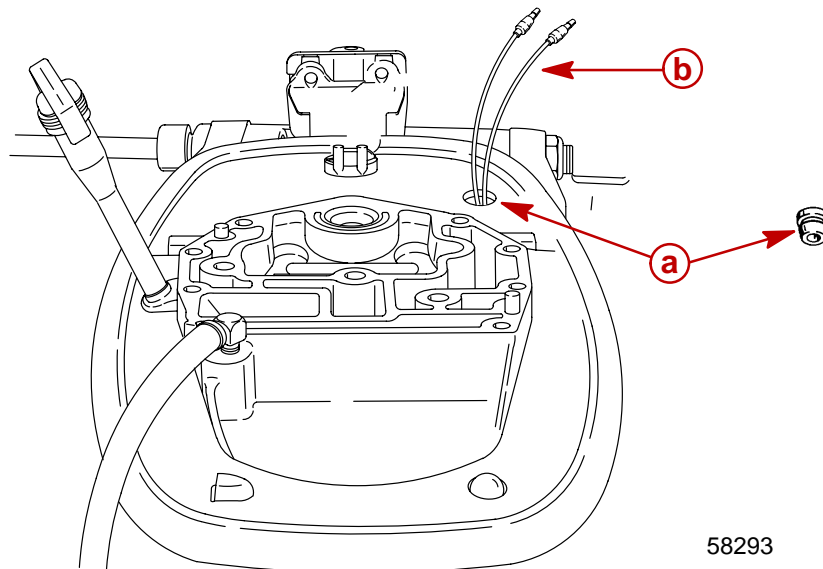
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- a** - Shift Bracket Flat
- b** - Bushing Flat
- c** - Shift Shaft

4. Remove wire grommet from adaptor plate. Pull power trim wires out of grommet.

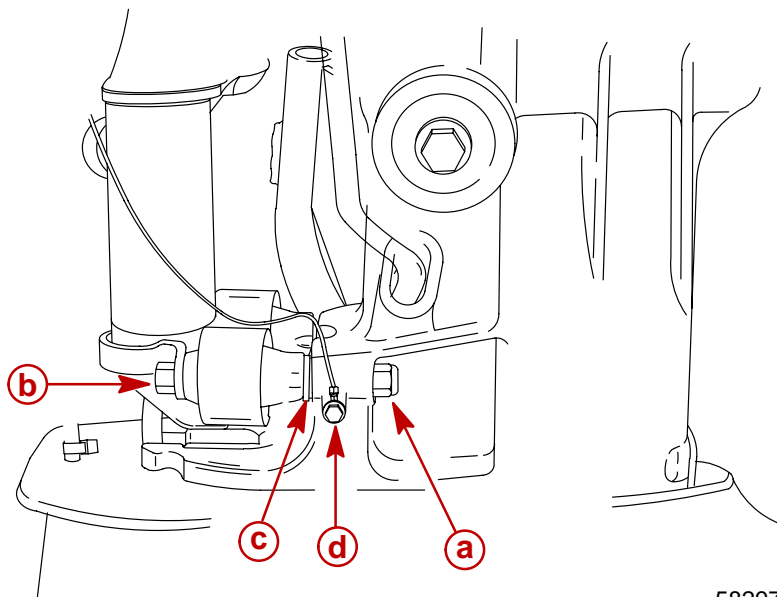


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- a** - Trim Wire Grommet
- b** - Power Trim Wires



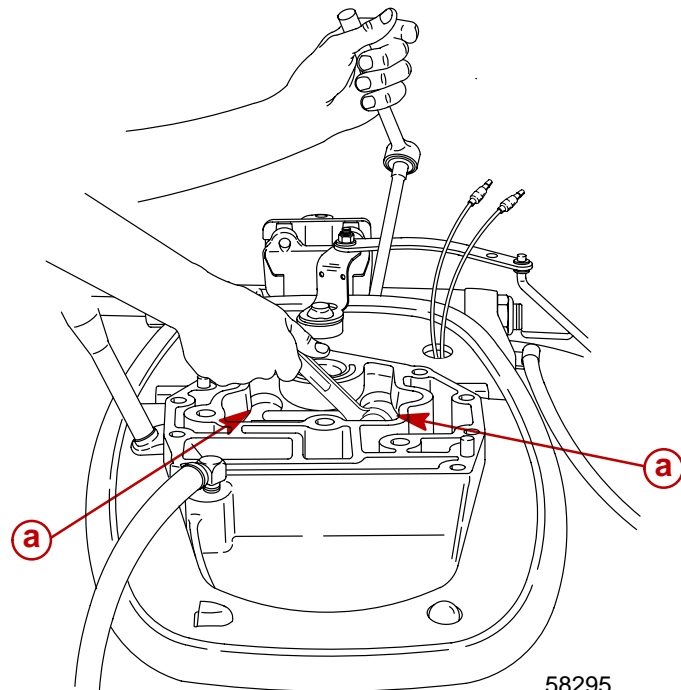
5. Remove nuts and washers from lower mount bolts.
6. Remove ground strap bolt.



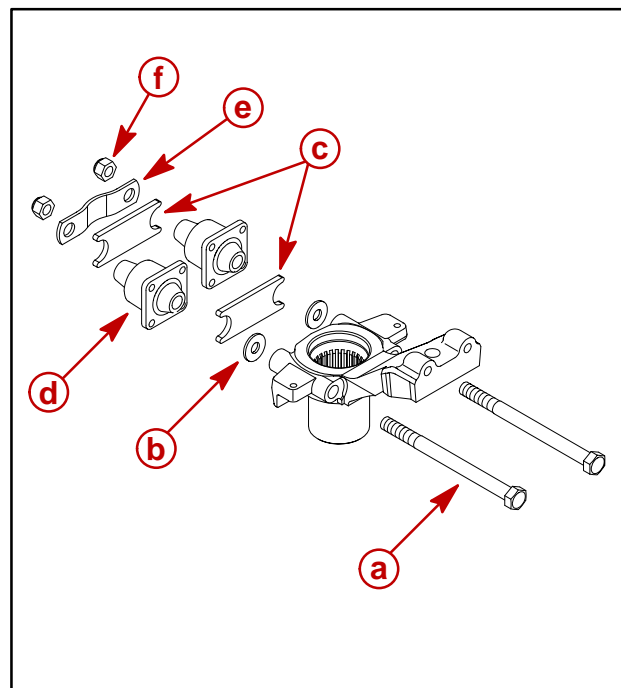
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- a** - Nut (2)
- b** - Lower Mount Bolt (2) M10 x 105
- c** - Washer (2)
- d** - Ground Strap Bolt

7. Remove nuts and washers from upper mount bolts.



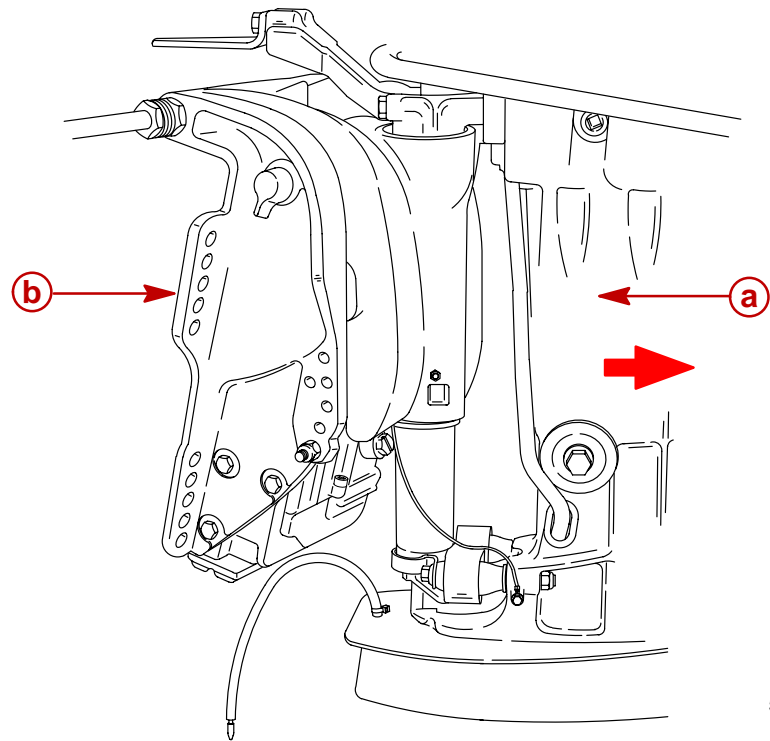
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- a** - Upper Mount Bolt (2) M12 x 154
- b** - Washer (2)
- c** - Bumper (2)
- d** - Mount (2)
- e** - Strap
- f** - Nut (2)

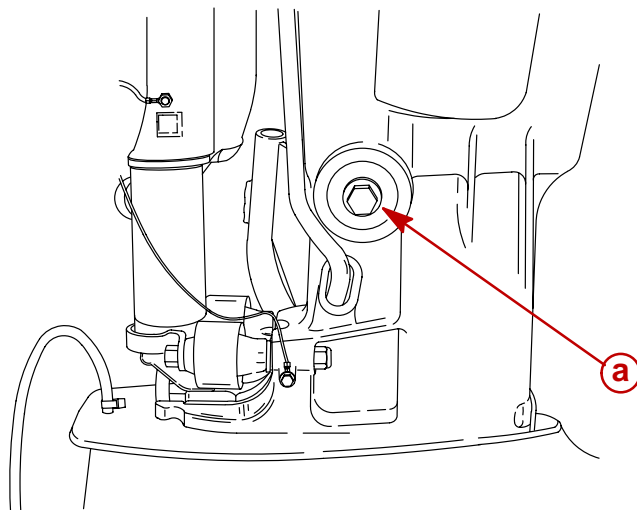


8. Separate drive shaft housing from transom bracket mount bolts by pulling backward.



- a** - Driveshaft Housing
- b** - Transom Bracket

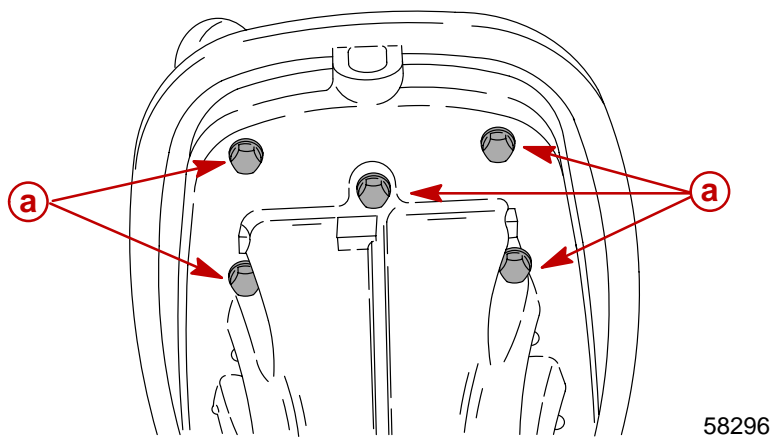
9. Remove drain plug on port side of driveshaft housing to drain remaining oil from sump.



- a** - Drain Plug

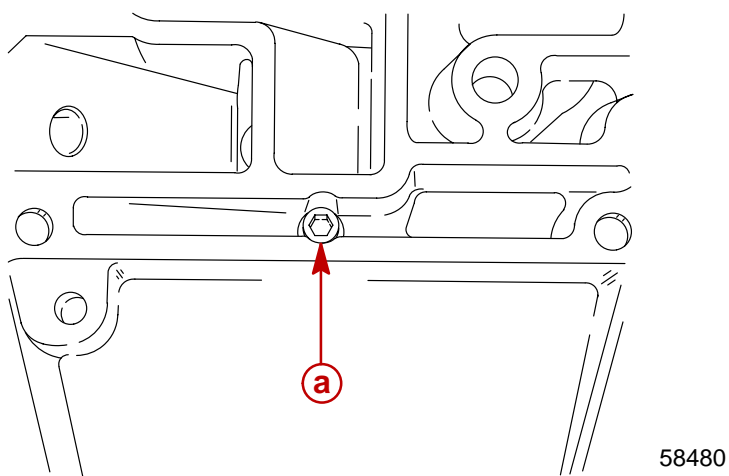


10. Remove five (5) adaptor plate screws from aft/underside of driveshaft housing.



a - Screw (5) M8 x 45

11. Remove allen head screw on top of adaptor plate.



a - Allen Head Screw M6 x 55

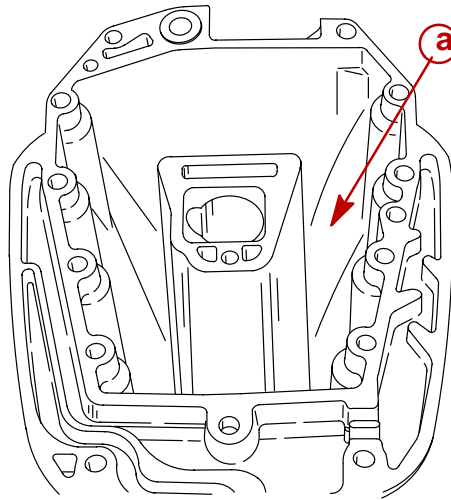
12. Remove adaptor plate from driveshaft housing.

13. Inspect powerhead base gasket and adaptor plate gasket before reassembly. Replace if necessary.



Cleaning Oil Sump

1. Inspect and clean oil sump thoroughly before reassembly.

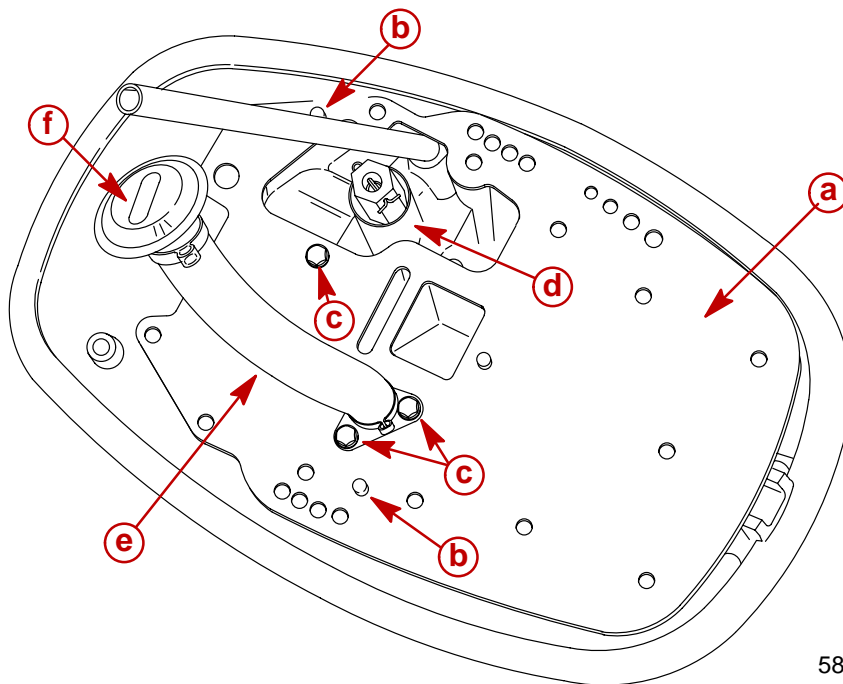


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a - Oil Sump

Adaptor Plate Inspection/Cleaning

1. Disassemble, clean and inspect adaptor plate components as required.
2. Oil pick-up screen in baffle should be clean and free of damage.
3. Oil pick-up hose must be in good condition and clamped securely at either end.
4. Oil pressure relief valve must be clean and free to open and close without sticking.



58488

- a** - Gasket
- b** - Dowel Pin (2)
- c** - Screw (3) M6 x 20
- d** - Oil Pressure Relief Valve/Deflector Cup Assembly
- e** - Oil Pick-up Hose
- f** - Baffle Screen



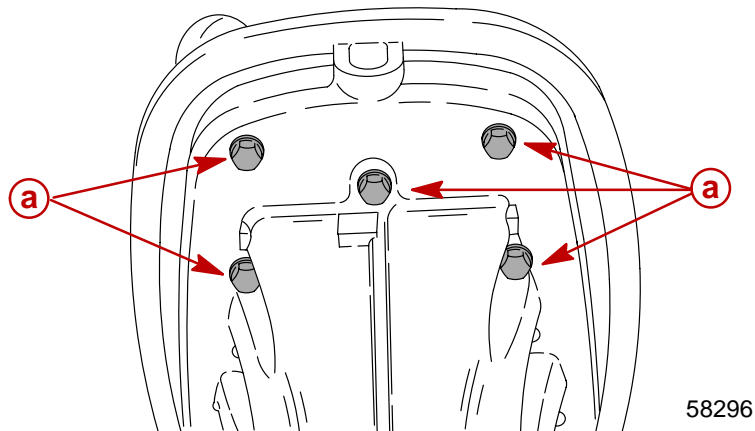
Adaptor Plate Reassembly

1. If removed during cleaning/inspection, install adaptor plate components per the above diagram. Tighten fasteners to specified torque.

Pickup Hose/Gasket Screw Torque
75 lb-in. (8.5 Nm)

Oil Pressure Relief Valve Torque (Oiled)
17 lb-ft. (23 Nm)

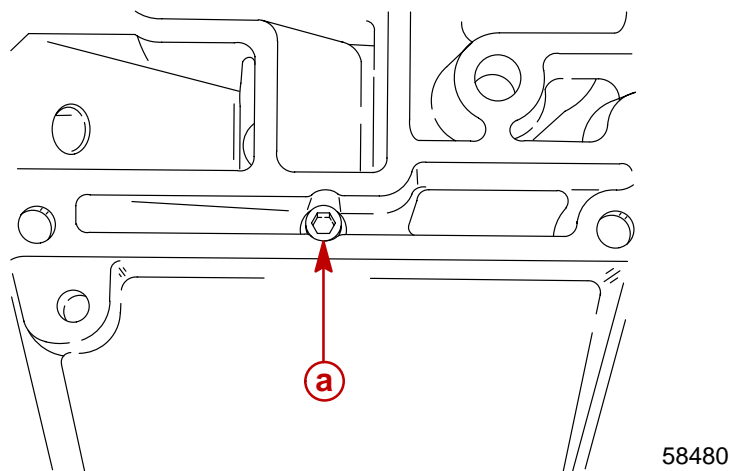
1. Place adaptor plate on to driveshaft housing, install five (5) screws on the aft/underside of the driveshaft housing and tighten to specified torque.



a - Screw (5) M8 x 45

Adaptor Plate Screw Torque
33 lb-ft. (44.7 Nm)

2. Install allen head screw on top side of adaptor plate. Tighten to specified torque.



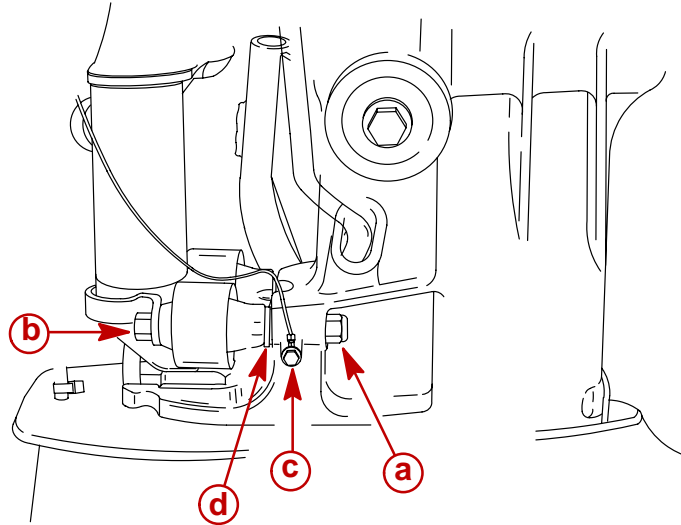
a - Allen Head Screw M6 x 55

Adaptor Plate Screw Torque
150 lb-in. (16.9 Nm)



Driveshaft Housing Reassembly

1. Replace driveshaft housing assembly to transom bracket. Two people may be required for this, one to hold the driveshaft housing, the other to install the upper and lower bolts.
2. Tighten lower bolts to specified torque. Make sure washers are in the correct position.
3. Tighten ground strap screw.



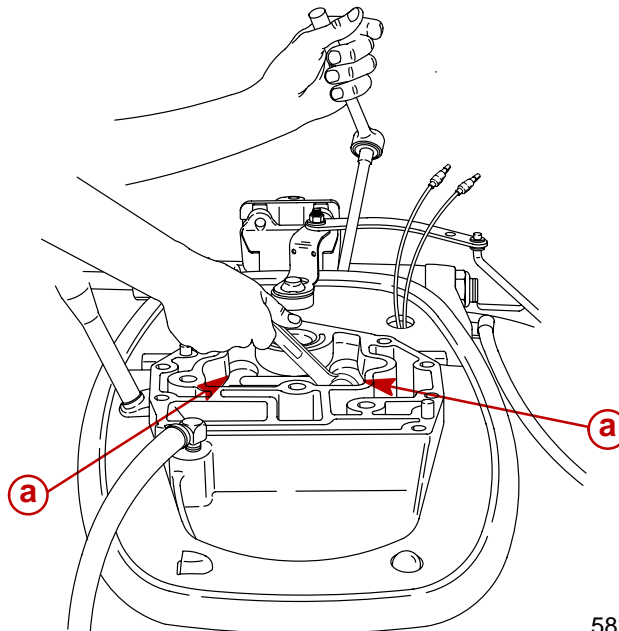
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a - Nut (2)**b** - Lower Mount Bolt (2) M10 x 105**c** - Ground Strap Screw**d** - Washer (2)

Driveshaft Housing Lower Bolt Torque

32.5 lb-ft. (44 Nm)

4. Tighten upper mount bolts to specified torque.



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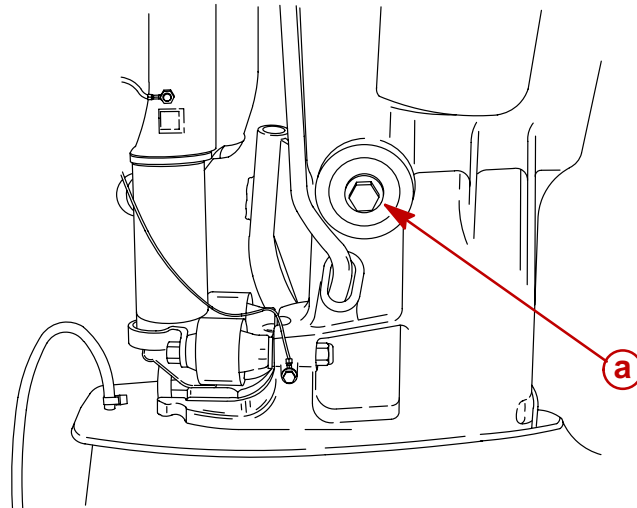
a - Upper Mount Bolt(2) M12 x 154

Driveshaft Housing Upper Bolt Torque

50 lb-ft. (68 Nm)



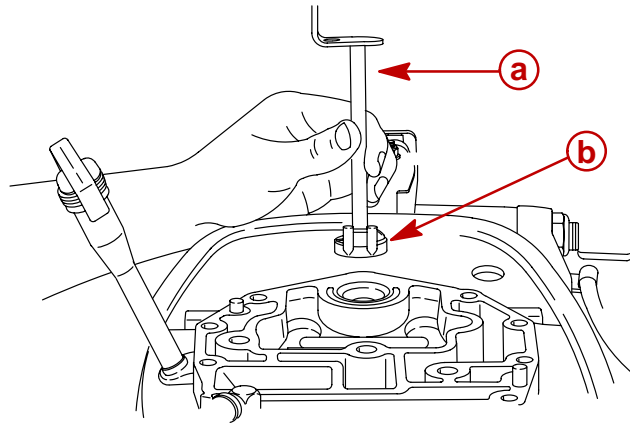
5. Replace drain plug into housing and torque to specified torque.



a - Drain Plug

Drain Plug Torque
17.5 lb-ft (24 Nm)

6. Slide the shift shaft through the bushing, into the driveshaft housing.

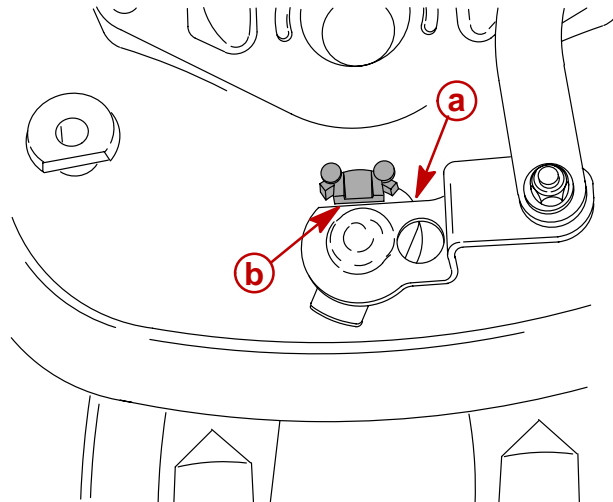


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a - Shift Shaft
b - Bushing



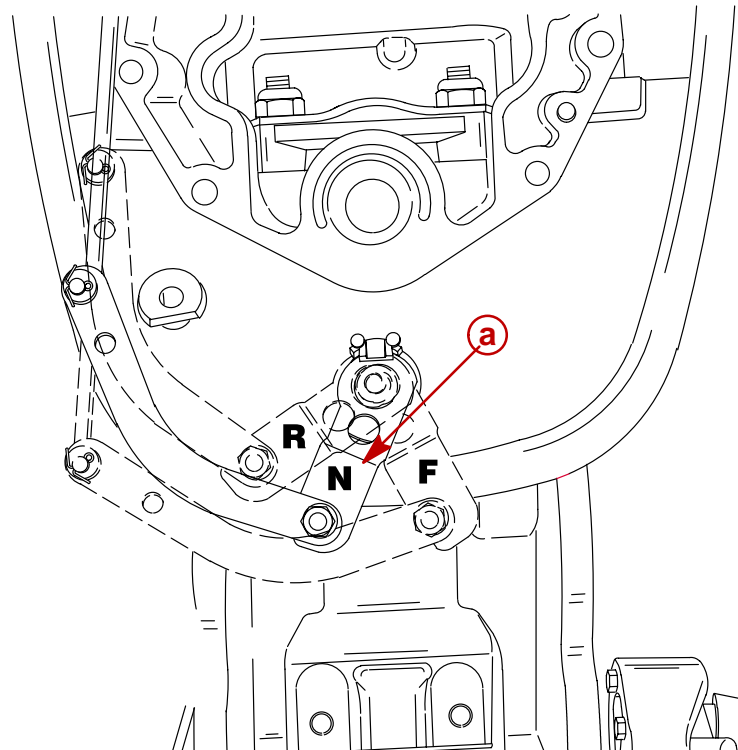
7. Rotate shift shaft so the flat on the shift shaft bracket lines up with the flat on the bushing.



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- a** - Shift Shaft Bracket
- b** - Bushing Flat

8. Rotate shift shaft and position bracket in the neutral position.

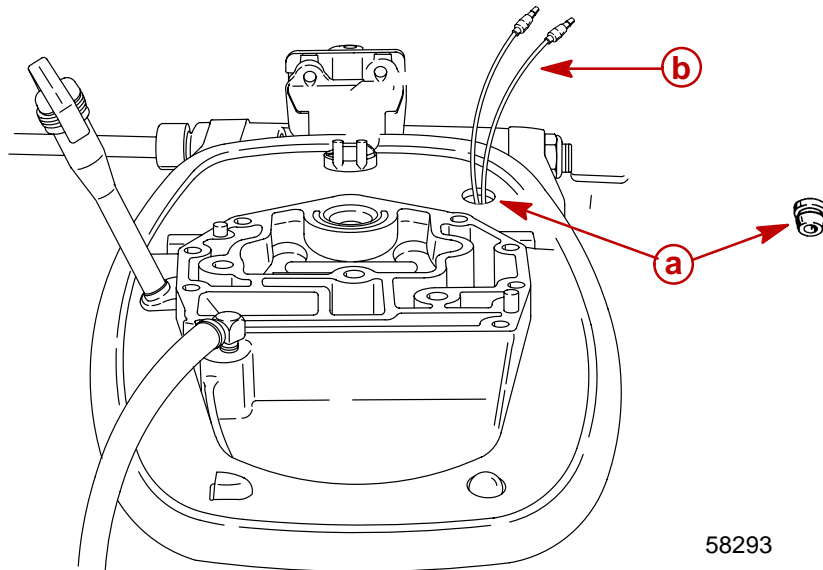


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- a** - Shift Shaft Bracket



9. Install grommet and pull power trim wires up thru adaptor plate grommet.



- a** - Trim Wire Grommet
- b** - Power Trim Wires

10. Reinstall the following components:

- Lower unit, refer to section 6.
- Powerhead, refer to section 4B.