



MID-SECTION

Section 5C - Gas Assist Manual Tilt

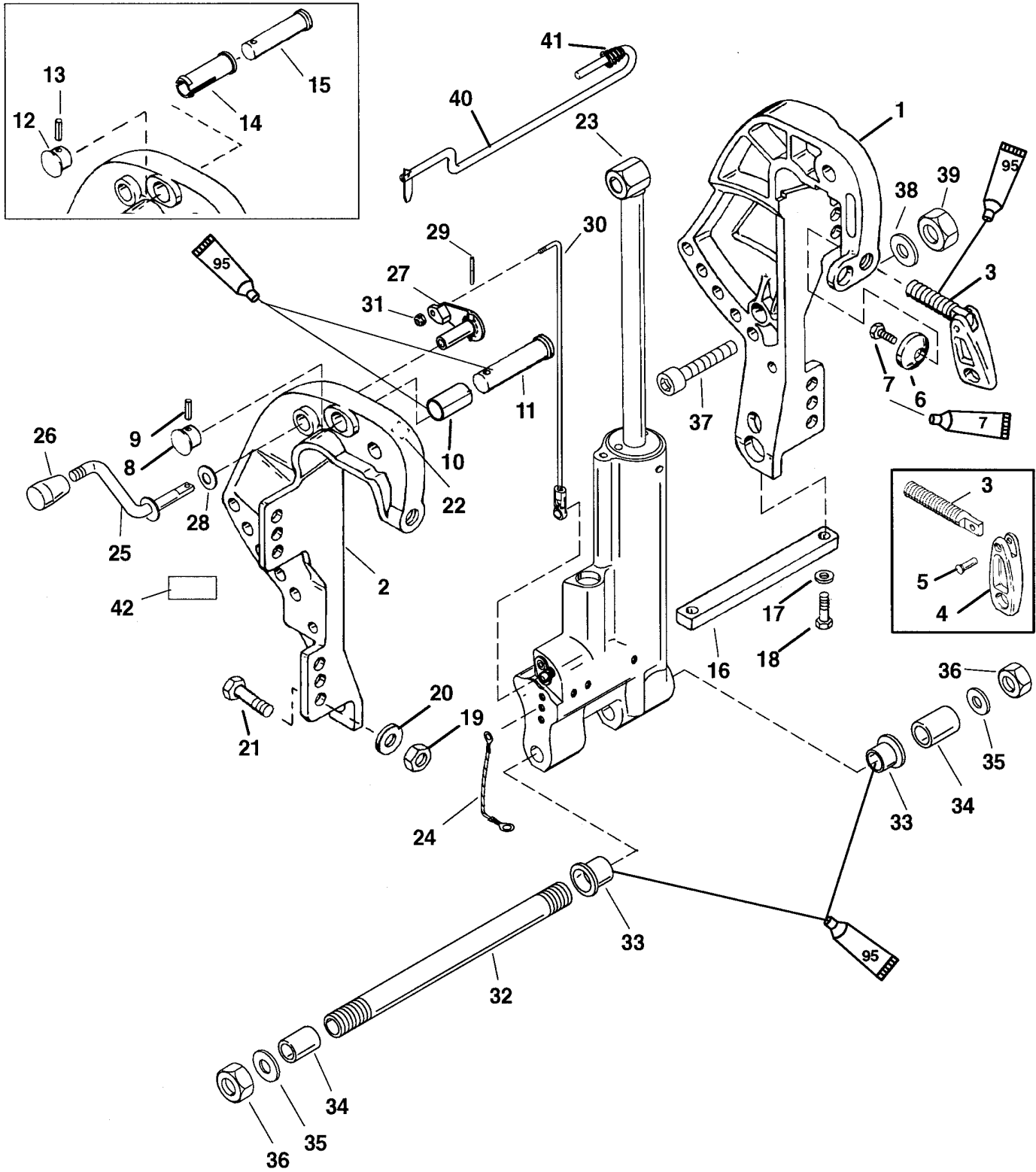
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CLAMP BRACKET



Loctite 271 Thread Locker

2-4-C Marine Lubricant with Teflon



CLAMP BRACKET

REF. NO.	QTY.	DESCRIPTION	TORQUE		
			lb. in.	lb. ft.	N-m
1	1	CLAMP BRACKET (PORT) (BLACK)			
	1	CLAMP BRACKET (PORT) (GRAY)			
2	1	CLAMP BRACKET (STBD) (BLACK) USE W/ .56 O.D. Ref. #15			
	1	CLAMP BRACKET (STBD) (GRAY)			
	1	CLAMP BRACKET (STBD) (BLACK) USE W/ .75 O.D. Ref. #11			
	1	CLAMP BRACKET (STBD) (GRAY)			
3	2	THUMB SCREW ASSEMBLY			
4	2	HANDLE			
5	2	RIVET			
6	2	WASHER			
7	2	SCREW (Hex shoulder)	60		7
8	1	CAP-Tilt Stop Pin			
9	1	ROLL PIN O.D. of Ref. # 11 is .75 &			
10	1	BUSHING Ref. # 10 is NOT FLANGED			
11	1	PIN-Tilt Stop			
12	1	CAP-Tilt Stop Pin			
13	1	ROLL PIN O.D. of Ref. # 15 is .56 &			
14	1	BUSHING Ref. # 14 is FLANGED			
15	1	PIN-Tilt Stop			
16	1	ANODE			
17	2	WASHER			
18	2	SCREW (M6 x 25)	60		7
19	4	NUT (.500-20)			
20	4	WASHER			
21	4	SCREW (.500-20 x 4 IN.)			
22	1	DECAL-Tilt Lock			
23	1	TRIM, Hydraulic assist			
24	1	CABLE			
25	1	TILT LEVER			
26	1	TILT KNOB GAS ASSIST TRIM			
27	1	LEVER ARM			
28	1	WAVE WASHER			
29	1	ROLL PIN (1/8 x 3/4 IN.)			
30	1	LINK			
31	1	NUT	90		10
32	1	ANCHOR PIN (14MM)			
33	2	BUSHING			
34	2	BUSHING GAS ASSIST TRIM &			
35	2	WASHER POWER TRIM MOUNTING			
36	2	NUT		17.5	23.5
37	2	SCREW (M10 x 40)			
38	2	WASHER			
39	2	NUT		28	38
40	1	TILT LOCK PIN HANDLE-NON POWER TRIM			
41	1	SPRING			
42	1	DECAL-Warning			



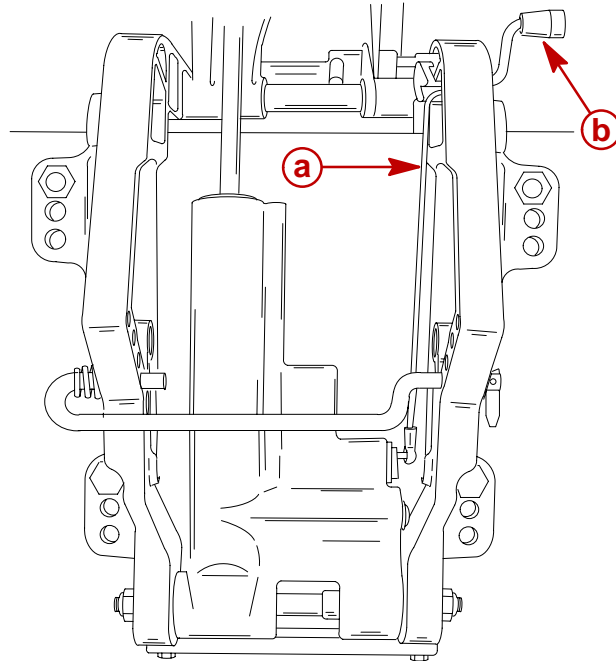
Hydraulic Assist Adjustments

⚠ WARNING

This hydraulic assist system's contents are under pressure. Do not puncture disassemble or apply heat or flame.

IMPORTANT: If debris or leaking is found, unit must be replaced This hydraulic assist system is **NOT SERVICEABLE**. Replace as necessary.

1. Check manual release cam adjustment. Cam must open and close freely. Adjust cam link rod as necessary.



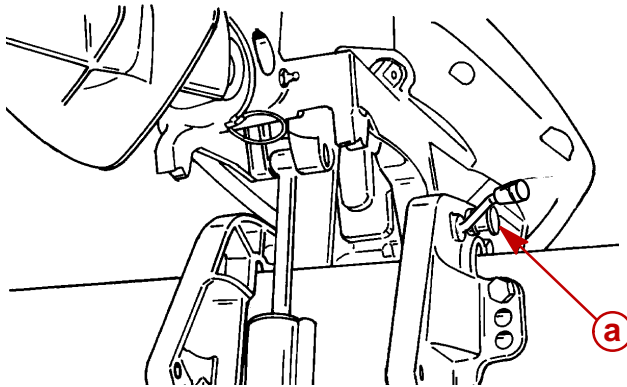
- a** - Link Rod
- b** - Manual Release Lever

2. Check for external leaks in the manual tilt system. Replace unit if leak is found.



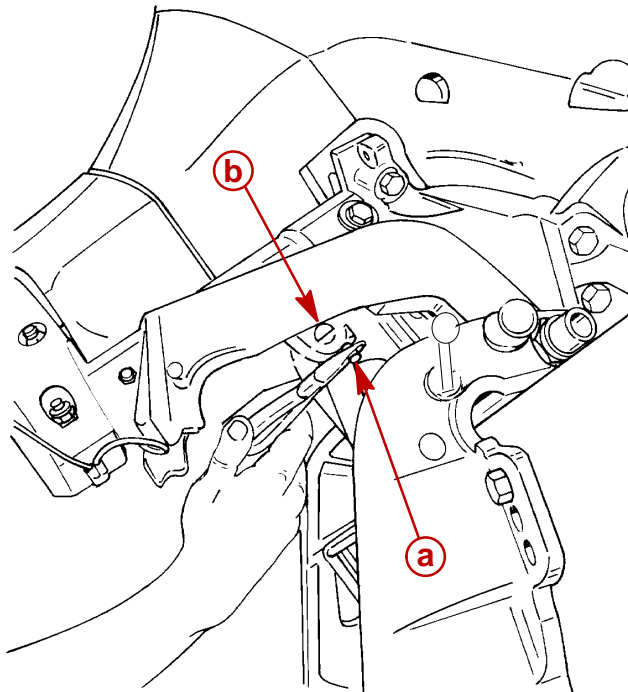
Manual Trim System Removal

1. Tilt outboard to the full up position and support with tilt stop pin.



a - Tilt Stop Pin

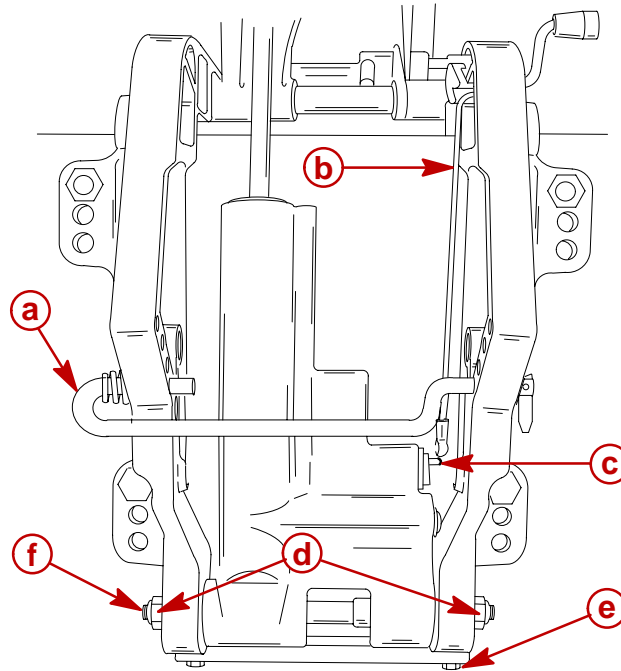
2. Remove the trilobe pin.
3. Drive out the upper pivot pin.



a - Trilobe Pin
b - Upper Pivot Pin



4. Disconnect link rod from cam lever.
5. Remove tilt lock pin. Remove nuts and washers securing the lower pivot pin. Remove anode screw to remove ground strap. Remove lower anchor pin. Retain the anchor pin bushings from the clamp brackets and trim unit.
6. Remove trim unit.

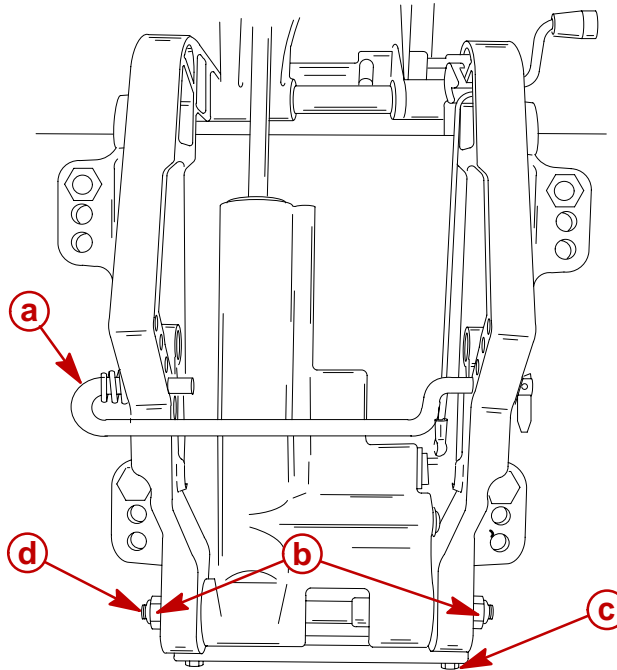


- a** - Tilt Lock Pin
- b** - Link Rod
- c** - Cam Lever
- d** - Nut (2)
- e** - Anode Screw/Ground Strap
- f** - Pivot Pin



Manual Trim System Installation

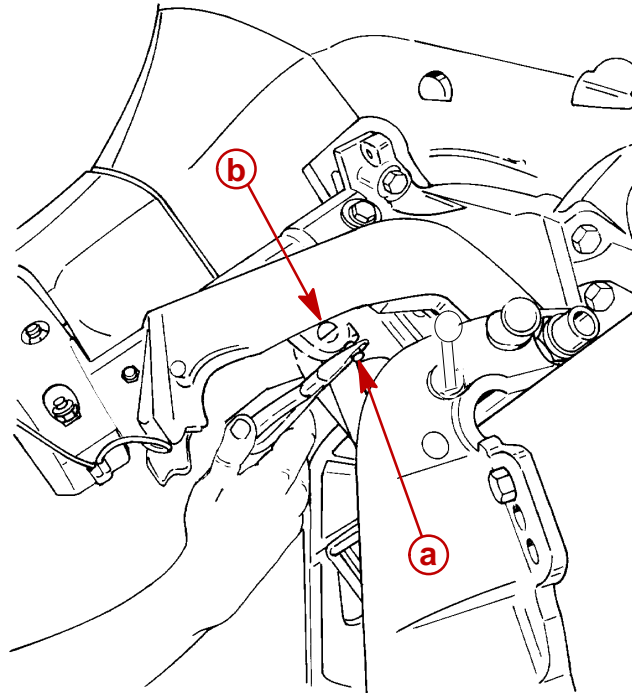
1. Apply 2-4-C Marine Lubricant with Teflon to surface of lower anchor pin and anchor pin hole. Place trim into proper position. Install anchor pin and bushings into anchor pin hole and clamp brackets. Install nuts and washers to anchor pin and tighten securely. Install ground strap and anode screw.
2. Install tilt lock pin.



- a** - Tilt Lock Pin
- b** - Nut (2)
- c** - Anode Screw/Ground Strap
- d** - Pivot Pin

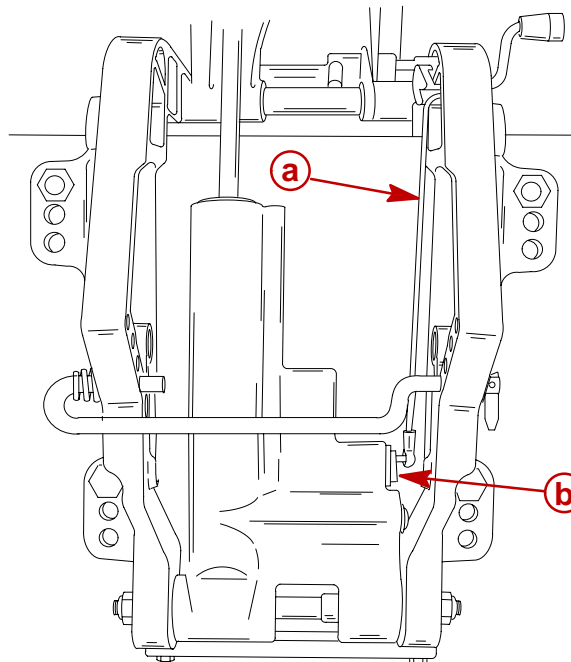


3. Apply 2-4-C Marine Lubricant with Teflon to surface of upper pivot pin, pivot hole and shock rod hole.
4. Position trim into position and drive pivot pin into swivel bracket and through shock rod until pivot pin is flush with swivel bracket. Drive trilobe pin into its hole until seated.



- a** - Trilobe Pin
- b** - Upper Pivot Pin

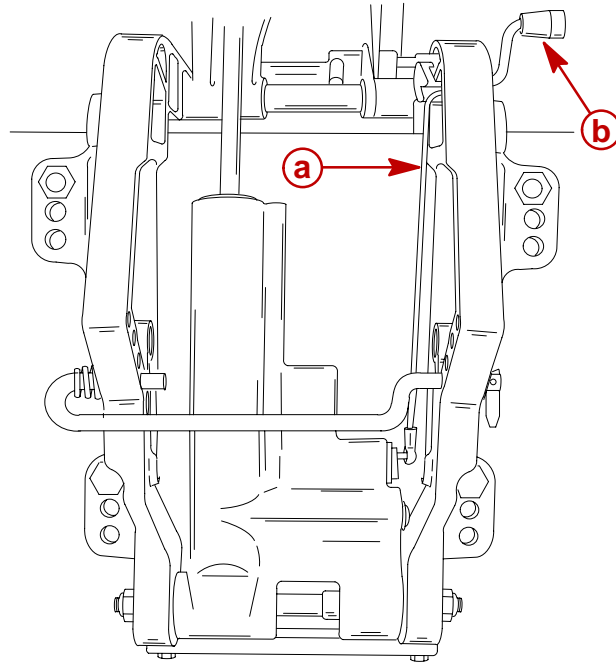
5. Connect link rod onto cam lever.



- a** - Link Rod
- b** - Cam Lever



6. Check manual release cam adjustment. Cam must open and close freely. Adjust cam link rod as necessary.



- a** - Link Rod
- b** - Manual Release Lever