



# ATTACHMENTS/CONTROL LINKAGE

## Section 7A - Throttle/Shift Linkage

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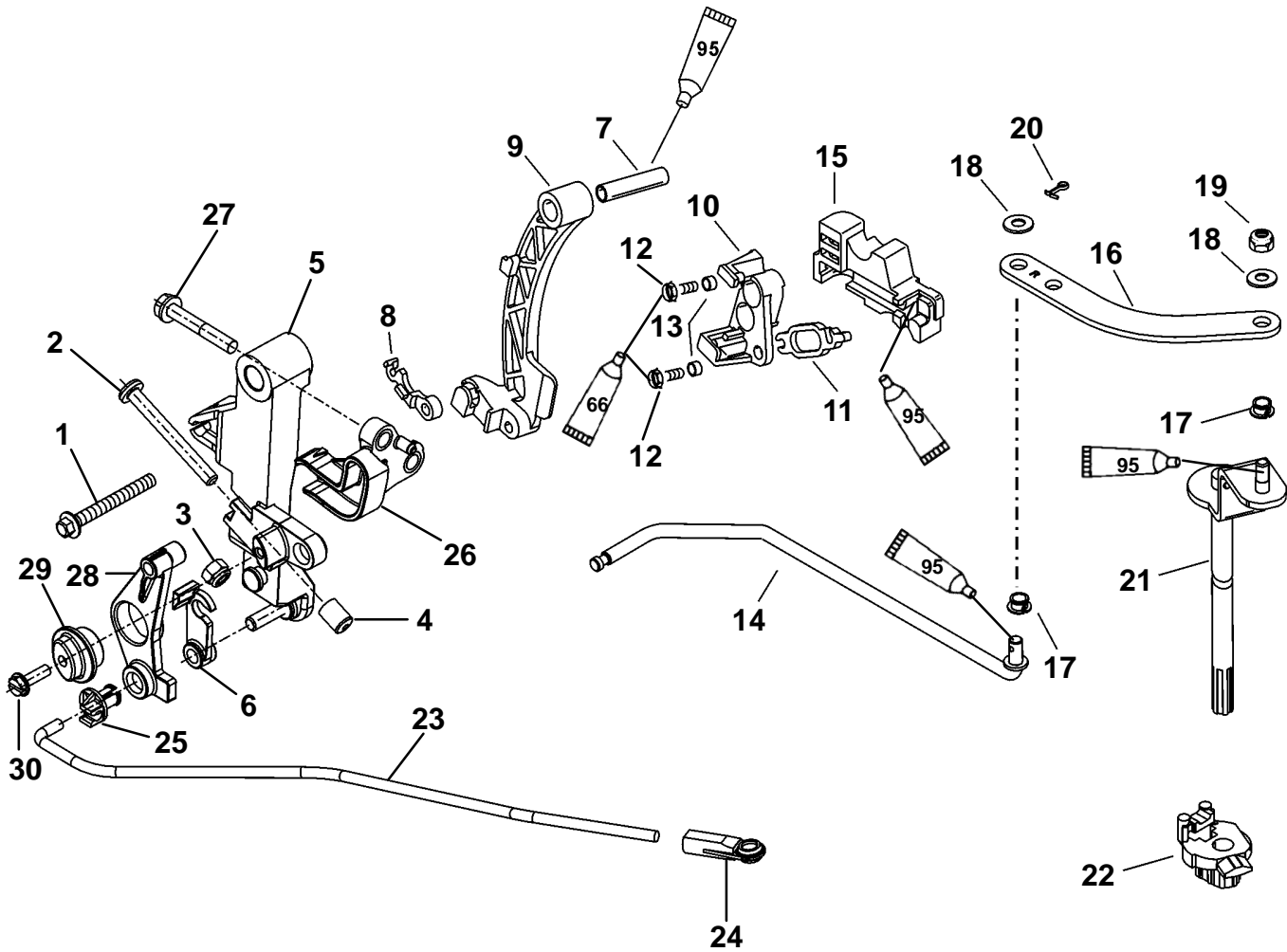
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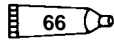
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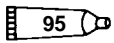




# LINKAGE (REMOTE)



 66 Loctite 242 (92-809821)

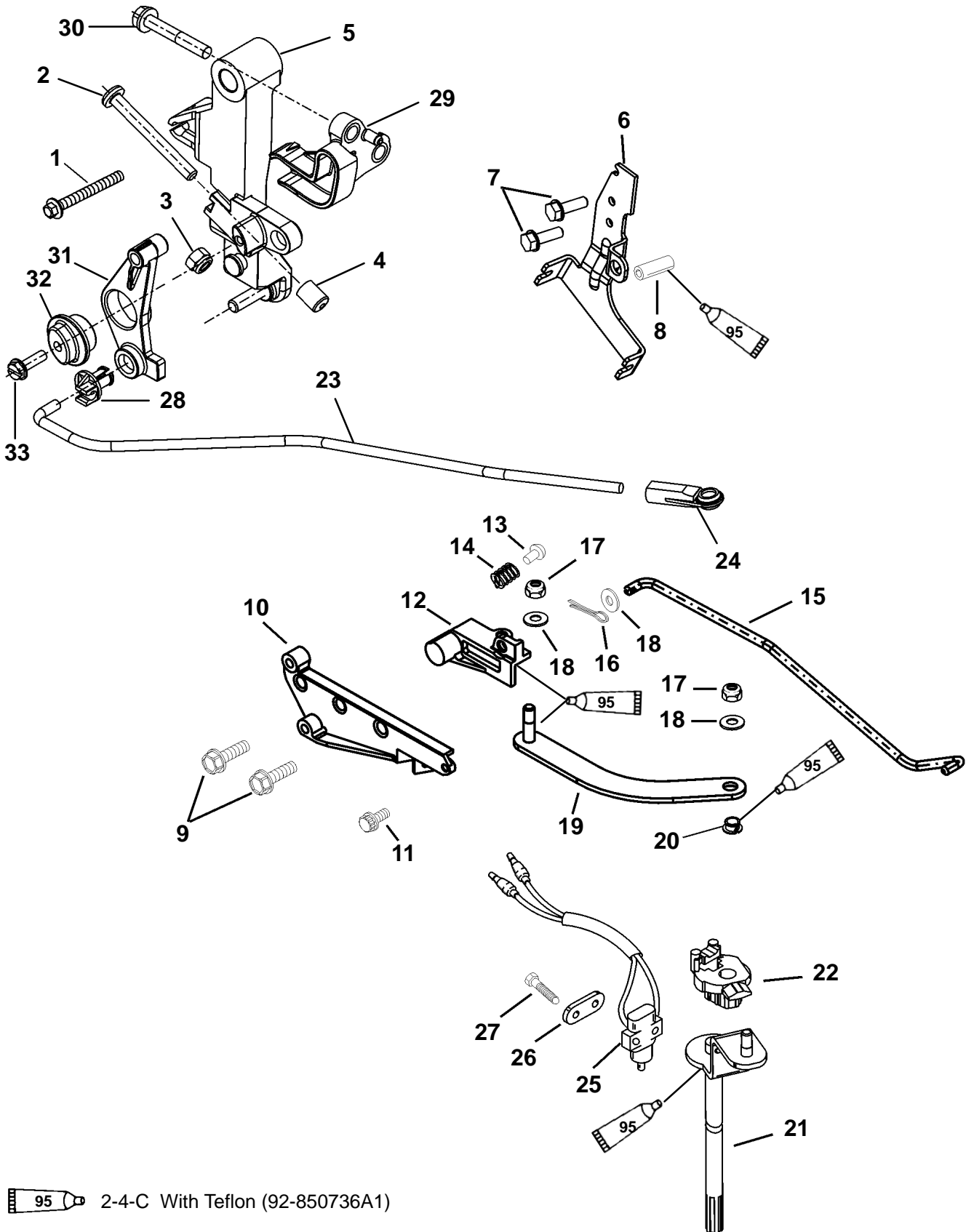
 95 2-4-C With Teflon (92-850736A1)

**LINKAGE (REMOTE)**

REF. NO.	QTY.	DESCRIPTION	TORQUE		
			lb-in	lb-ft	Nm.
1	1	SCREW (M8 X 70)	100		11.3
2	1	SCREW (M6 X 55)			
3	1	NUT			
4	1	CAP			
5	1	THROTTLE LEVER			
6	1	RETAINER			
7	1	BUSHING			
8	1	RETAINER			
9	1	SHIFT LEVER			
10	1	BRACKET			
11	1	LATCH			
12	2	SCREW (M6 X 16)	75		8.5
13	2	SLEEVE			
14	1	SHIFT ROD			
15	1	GUIDE - SHIFT ROD			
16	1	SHIFT LINK			
17	2	NYLINER			
18	2	WASHER			
19	1	NUT	75		8.5
20	1	COTTER PIN			
21	1	SHIFT SHAFT LEVER			
22	1	BUSHING			
23	1	LINK			
24	1	SOCKET	75		8.5
25	1	BUSHING			
26	1	THROTTLE CAM			
27	2	SCREW (M6 X 40)	75		8.5
28	1	THROTTLE ARM			
29	1	BUSHING			
30	1	SCREW (10-16 X .625)	Drive Tight		



# LINKAGE (HANDLE)



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

**LINKAGE (HANDLE)**

REF. NO.	QTY.	DESCRIPTION	TORQUE		
			lb-in	lb-ft	Nm.
1	1	SCREW (M8 X 70)	100		11.3
2	1	SCREW (M6 X 55)			
3	1	NUT			
4	1	CAP			
5	1	THROTTLE LEVER			
6	1	BRACKET ( <b>HANDLE</b> )			
7	2	SCREW (M6 X 20)	75		8.5
8	1	BUSHING			
9	2	SCREW (M6 X 25)	75		8.5
10	1	SHIFT GUIDE			
11	1	SCREW (M5 X 12)	45		5.1
12	1	SHIFT SLIDE			
13	1	SHIFT DETENT			
14	1	SPRING			
15	1	SHIFT ROD			
16	1	COTTER PIN			
17	2	NUT	75		8.5
18	3	WASHER			
19	1	SHIFT LINK			
20	1	NYLINER			
21	1	SHIFT SHAFT LEVER			
22	1	BUSHING			
23	1	THROTTLE LINK			
24	1	SOCKET	75		8.5
25	1	SWITCH			
26	1	PLATE-SWITCH			
27	2	SCREW (M3 X 20)	20		2.3
28	1	BUSHING			
29	1	THROTTLE CAM			
30	2	SCREW (M6 X 40)	75		8.5
31	1	THROTTLE ARM			
32	1	BUSHING			
33	1	SCREW (10-16 X .625)	Drive Tight		

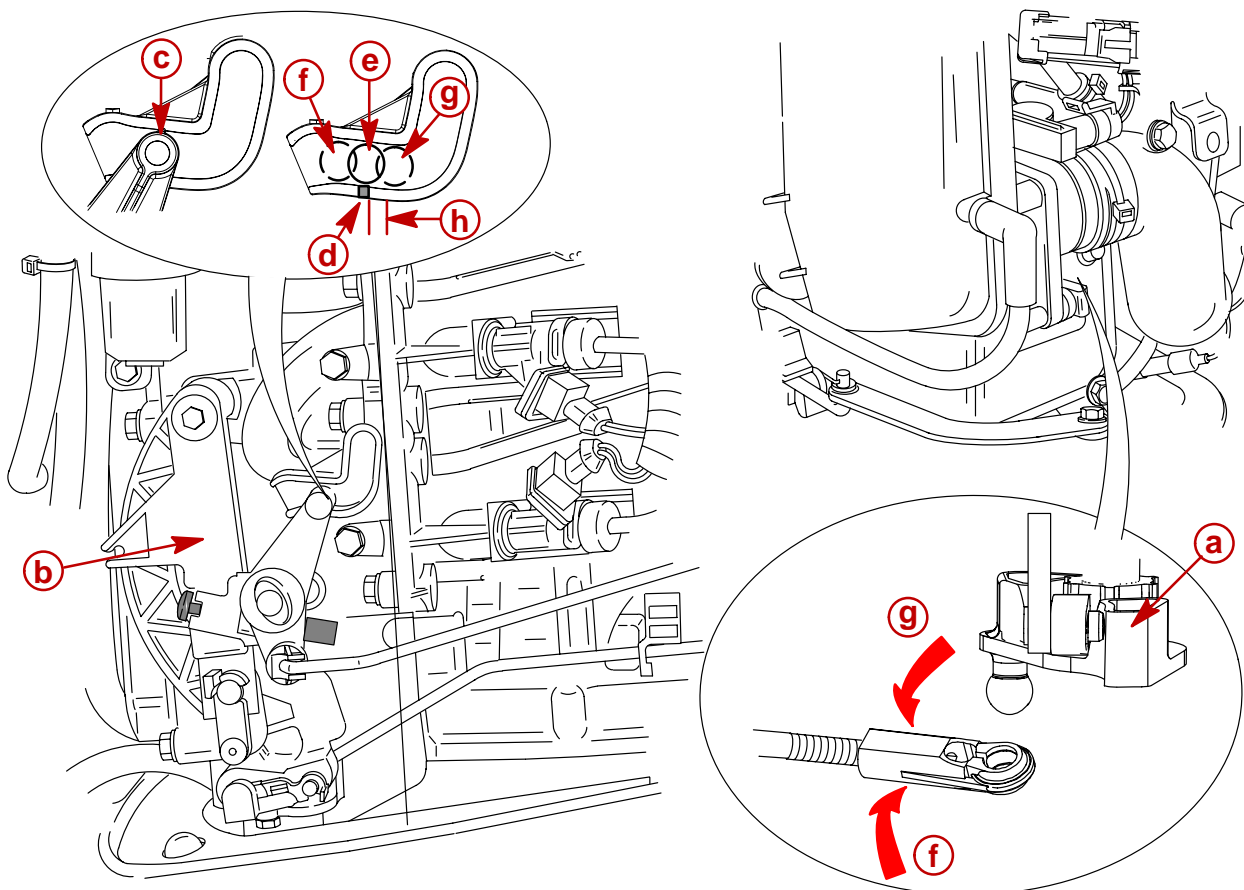


# Throttle Link Adjustment

## Adjustment

**NOTE:** For remote control models, remove remote control throttle cable during throttle link adjustment. For tiller handle models, throttle cables remain attached and throttle twist grip should be used to advance throttle during throttle link adjustment.

1. Lightly hold throttle body arm against idle stop.
2. Slowly push throttle lever forward until you feel the throttle body start to move. The center of throttle arm roller should line up with the throttle cam alignment mark. If adjustment is needed proceed to next step. Tolerance may range from mark to 1/8 inch (3.2 mm) after mark.
3. Remove lower cowl. Refer to **Cowl Removal** section 5A.
4. Disconnect the throttle link rod from the throttle arm and throttle body arm.
5. If the throttle body arm engages (throttle shutter opens) before the center of the roller aligns with the throttle cam alignment mark, shorten the link rod by turning the socket clockwise. If the throttle body arm engages after the roller aligns with the throttle cam alignment mark, lengthen the link rod by turning the socket counterclockwise.
6. Snap socket onto throttle body arm and push rod end into throttle arm.
7. Repeat steps 1 & 2. Adjust if necessary.



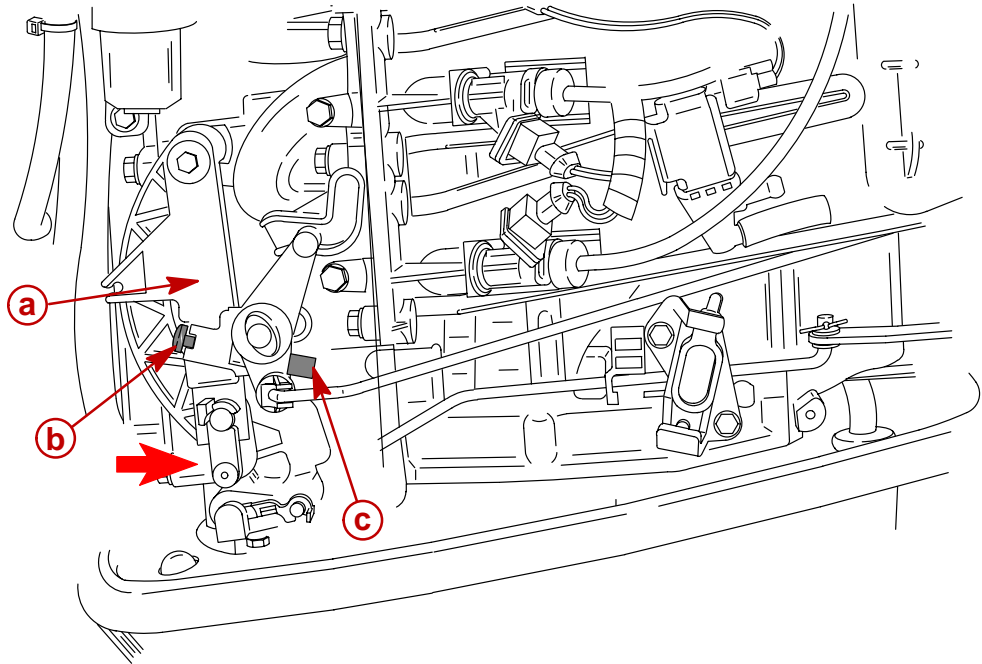
- a** - Throttle Body Arm
- b** - Throttle Lever
- c** - Throttle Arm Roller
- d** - Throttle Cam Alignment Mark

- e** - Correct
- f** - Shorten Link Rod
- g** - Lengthen Link Rod
- h** - Alignment Tolerance - 1/8 inch (3.2mm)



## Maximum Throttle

1. With throttle cable(s) attached, advance throttle (remote control handle or throttle twist grip) to wide open throttle position.
2. Throttle stop should lightly contact adjoining surface. To ensure the throttle shutter is fully open, back the throttle stop screw out until there is a gap between the throttle stop screw and adjoining surface (at WOT position). Keep turning the throttle stop screw “in” until the throttle stop lightly contacts the adjoining surface.



- a** - Throttle Lever
- b** - Throttle Stop Screw
- c** - Throttle Stop