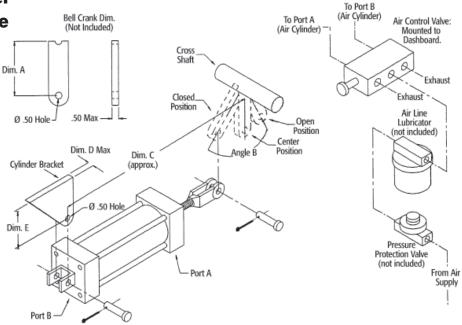
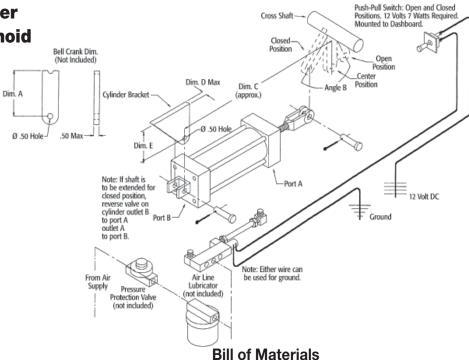


Installation Instructions

Tailgate Air Cylinder with Push Pull Valve



Tailgate Air Cylinder with Electric Solenoid



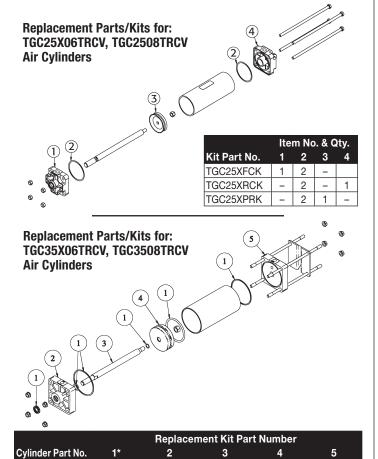
This kit and/or cylinder is designed to allow remote cab opening and closing of the tailgate locking mechanism on a dump body.

Use the following steps to install the air cylinder to the underside of the dump body:

PART NO. AIR C	YL. STR	OKE DIM. A	ANGLE B	DIM. C	DIM. D	DIM. E
TGC25006V	6"	4.2"	91°	17.25"	.50"	2.25"
TGC25008V	8"	5.6"	91°	20.25"	.50"	2.25"
TGC32506V	6"	4.2"	91°	18.25"	.50"	3.00"
TGC32508V	8"	5.6"	91°	21.25"	.50"	3.00"
TGC25X06TRCV	6"	4.2"	91°	16.00"	.38"	2.25"
TGC25X08TRCV	8"	5.6"	91°	18.00"	.38"	2.25"
TGC35X06TRCV	6"	4.2"	91°	17.50"	.50"	3.00"
TGC35X08TRCV	8"	5.6"	91°	19.50"	.50"	3.00"



- **1.** Construct a bell crank and cylinder bracket using A and E dimensions shown on the table. The bell crank length must cause the shaft to rotate to the "over center" position throughout the full travel of the air cylinder's stroke. This will mechanically lock the tailgate. The air pressure will not lock the tailgate. The "over center" position of the tailgate latches provides mechanical locking.
- **2.** Align the bell crank and cylinder bracket with the centerline of the air cylinder. This prevents unnecessary torque and twisting of the air cylinder mounts.
- **3.** Weld the bell crank to the cross shaft of the dump body as well as the cylinder bracket to the under side of the dump body. Use the C dimension listed in the table for proper spacing.
- **4.** Connect the air cylinder to the bell crank and cylinder bracket with two clevis pins.
- **5.** Route the air line tubing and switch wires around the hinging action at the rear of the dump body.
- **6.** Mount the switch in a convenient location on the dashboard in the cab of the truck.
- **7.** Buyers Products Co. recommends that the truck's air line system is equipped with an air line lubricator and a pressure protection valve to promote proper and safe operation as well as extending life for the air cylinder and control valve.



TGC35XSK TGC35XFC TGC35X06R

TGC35XSK TGC35XFC TGC35X08R

*Seal kit is needed for proper replacement of any other component

TGC35XRC

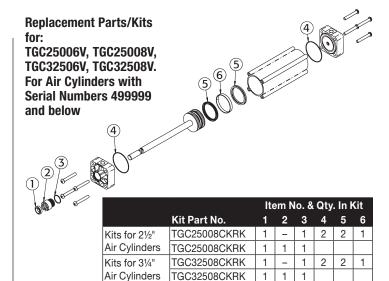
TGC35XRC

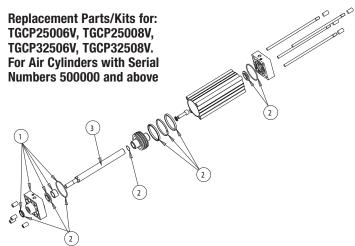
TGC35XP

TGC35XP

TGC35X06TRCV

TGC35X08TRCV





	Item					
	No.	Part No.	Description			
Kits For 21/2"	1	3010060	Front Cap With Seals and Tube Gaskets			
Air Cylinders 6" Stroke	2	3010061	Complete Seal and Gasket Kit			
	3	3010090	Replacement Cylinder Rod			
Kits For 31/4" Air Cylinders 6" Stroke	1	3010063	Front Cap With Seals and Tube Gaskets			
	2	3010064	Complete Seal and Gasket Kit			
	3	3010099	Replacement Cylinder Rod			
Kits For 2-1/2" Air Cylinders 8" Stroke	1	3010060	Front Cap With Seals and Tube Gaskets			
	2	3010061	Complete Seal and Gasket Kit			
	3	3009604	Replacement Cylinder Rod			
Kits For 3-1/4" Air Cylinders 8" Stroke	1	3010063	Front Cap With Seals and Tube Gaskets			
	2	3010064	Complete Seal And Gasket Kit			
	3	3009380	Replacement Cylinder Rod			