

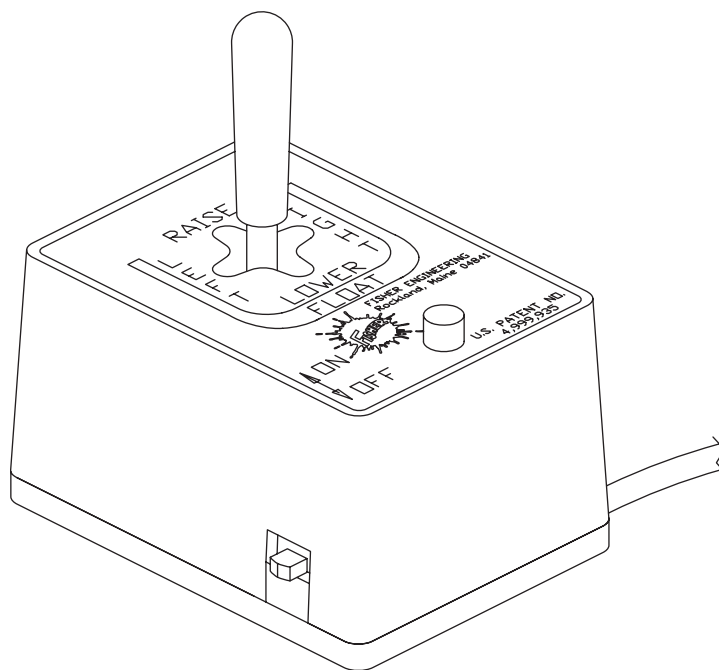
**Fisher Engineering**

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JOYSTICK SOLENOID CONTROL

Installation Instructions

**⚠ CAUTION**

Read this document before installing the snowplow.

⚠ CAUTION

See your FISHER® outlet/Web site for specific vehicle application recommendations before installation. The Kit Selection Guide has specific vehicle and snowplow requirements.

SAFETY DEFINITIONS

⚠ WARNING

Indicates a potentially hazardous situation that, if not avoided, could result in death or serious personal injury.

⚠ CAUTION

Indicates a potentially hazardous situation that, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.

NOTE: Indicates a situation or action that can lead to damage to your snowplow and vehicle or other property. Other useful information can also be described.

FUSES

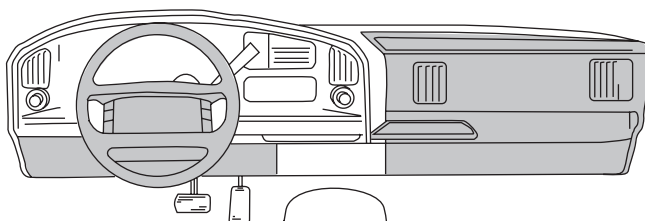
The FISHER® snowplow electrical and hydraulic systems contain several blade-style automotive fuses. If a problem should occur and fuse replacement is necessary, the replacement fuse must be of the same type and amperage rating as the original. Installing a fuse with a higher rating can damage the system and could start a fire. Fuse Replacement, including fuse ratings and locations, is located in the Maintenance Section of the Owner's Manual.

CONTROL PLACEMENT

⚠ CAUTION

Do not alter, modify, or install additional components in shaded areas of the illustration below. Failure to comply may interfere with air bag deployment or cause injury to operator in an accident.

When choosing a location for your control, it should be mounted in easy reach of the vehicle operator and not restricting access to vehicle controls or vehicle instrumentation. Do not mount the control in areas prohibited by the vehicle manufacturer for crash worthiness. See the vehicle's body builder's book, owner's manual, or service manual for details. The shaded areas in the illustration below show the most commonly restricted areas.



INSTALLING DASH BRACKET

⚠ CAUTION

Before drilling holes, check to be sure that no vehicle wiring or other components could be damaged.

Plastic Dash Only:

1. Using the four clearance holes on the narrow end of the bracket as guides, drill four 9/64" tap holes in dash.
2. Attach bracket to dash with four #12 x 3/4" self-tapping screws.

Metal Dash Only:

1. Using two of the four clearance holes on narrow end of the bracket as guides, drill two 9/32" holes in dash.
2. Attach solenoid control to control bracket with two #8 x 5/8" self-tapping screws, or with the Dual Lock Mounting Kit as instructed.
3. Attach bracket to dash with two 1/4" x 3/4" cap screws, 1/4" lock washers and 1/4" nuts.

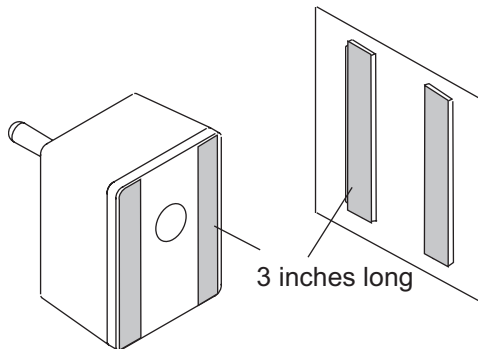
DUAL LOCK MOUNTING KIT

The dual lock mounting kit will secure your FISHER® joystick control to interior cab surfaces. Possible mounting areas may include the control bracket, front or side of dash, center console, etc. Once the control is properly mounted it can be easily removed and stored.

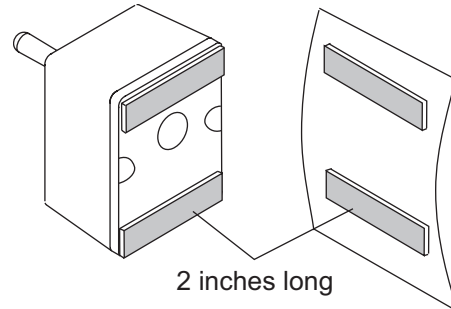
Installation should be done at temperatures above 60° F (15.6° C).

1. Select an area of the cab where the control is to be mounted. Use the four foot long cable extension (purchased separately) if additional wire length is needed.
2. Clean the installation area and surface of control with isopropyl alcohol or mineral spirits. Allow surface to dry for fifteen (15) minutes.
3. Determine length of dual locking strip required. **Do not obstruct the ON/OFF switch.**

For flat surfaces: Use the full length locking strips mounted along the back or side of control. Strips may be placed on the back or the side of the control.



For curved surfaces: Cut the locking strips to 2 inches. These strips must be placed parallel to the curved surface.



4. Once the mounted surfaces are prepared, remove the adhesive back protection strip and press the locking strips into place. Apply pressure across entire surface to work out any trapped air bubbles. **Allow the locking strip adhesive to set for 24 hours before mounting the control to the cab surface.**

The joystick control can easily be removed by applying a sideways lifting motion to the control. Do not apply excessive force to the control. If the control does not release, gently pry up in the opening under the control with a screwdriver or other flat object.

Fisher Engineering reserves the right under its product improvement policy to change construction or design details and furnish equipment when so altered without reference to illustrations or specifications used. Fisher Engineering or the vehicle manufacturer may require or recommend optional equipment for snow removal. Do not exceed vehicle ratings with a snowplow. Fisher Engineering offers a limited warranty for all snowplows and accessories. See separately printed page for this important information. The following are registered (®) trademarks of Douglas Dynamics, L.L.C.: FISHER®.