

Neutral Lock-Control Cable Installation Instructions



DANGER

Do not allow any part of your body under the truck box until the truck box is properly blocked. Serious injury or death will result from truck box falling in 1 second or less.

Before beginning any control cable installation, perform the 3 steps below:

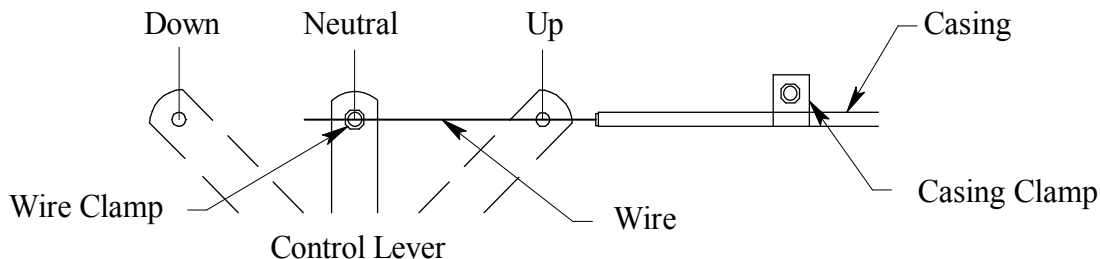
- 1.) Make sure the truck box is empty - if necessary, empty the load.
- 2.) The truck box must be properly blocked by using the body props on the truck hoist and by using blocks under the hoist frame.
- 3.) Read and understand these instructions so proper installation of the cable and stroke limiting spacers can be accomplished.

Installation Instructions

- 1.) Mount the control cable to the vehicle with special attention that no bends are sharper than a 10" radius.
- 2.) Route the control cable casing away from all hazards which may damage the cable. Keep the control cable away from catalytic converters, tailpipes, exhaust pipes, etc. Make certain the control cable is not crushed or routed where moving parts may crush it.
- 3.) Install the furnished stroke limiting spacer on the cable head. The correct spacer will need to be installed to limit the travel of the cable head when it is pushed in. This prevents overtravel of the cable head.
- 4.) After installing the stroke limiting spacer, insert the cable "up" through the cable head housing. Attach the ball on the cable head into the slot on the cable. Push the cable head through the cable head housing into the neutral lock position. See other side for assembly instructions for cable and cable head.

Note: When installing cable on an existing unit with hydraulic lines already connected, the truck box must be properly blocked to prevent the truck box from falling. Moving the lever on the valve can cause the truck box to fall in one second or less. Death or serious injury will result if the lever is moved while someone is under the truck box.

- 5.) Install cable to the control valve and tighten the clamps per drawing instructions below. See instruction sheet included inside the cable clamp kit for further details.



Energy Manufacturing Company, Inc./Williams Machine & Tool
Designers & Manufacturers of Hydraulic Cylinders, Valves, Pumps and Power Systems

204 Plastic Lane • Monticello, IA 52310-9472 • USA

Telephone: 319-465-3537 / Telefax: 319-465-5279

E-mail Address: info@energymfg.com

Web Sites: www.energymfg.com / www.williamsmachineandtool.com

Form 2346
Rev. 04/13

Stroke Limiting Spacers for Control Cable Installation

Two stroke limiting spacers have been supplied with your cable head. A stroke limiting spacer must be used on the knob end of the cable head to prevent over-travel of the plunger. Without the proper spacer, the plunger may overtravel causing the cable to kink and the cable will not operate properly. Use the information below to determine which spacer to use with Williams' valves.

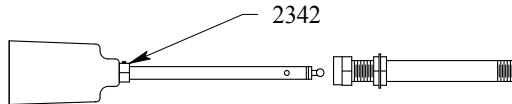


2342 Spacer

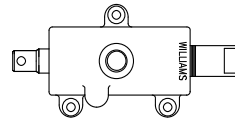


2343 Spacer

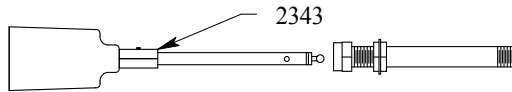
Each spacer is supplied with a #6-32 set screw to secure the spacer to the cable head plunger.



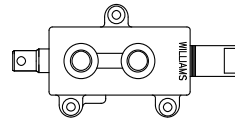
Use the 2342 spacer with a Williams' #3 valve.



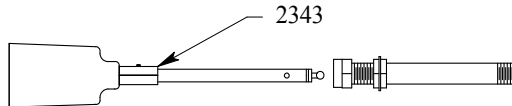
#3 Valve



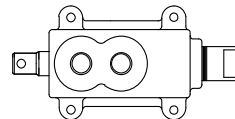
Use the 2343 spacer with a Williams' #4 valve.



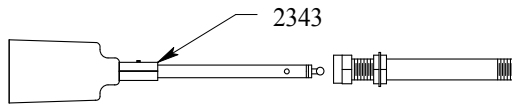
#4 Valve



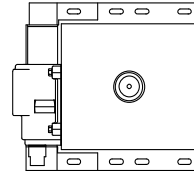
Use the 2343 spacer with a Williams' #6, #7, #8 valve.



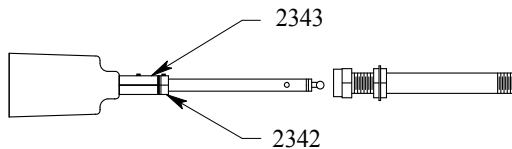
#6, #7, #8 Valve



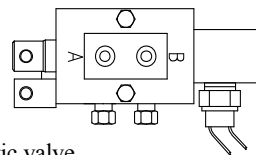
Use the 2343 spacer with a Williams' M-unit.



"M" Series

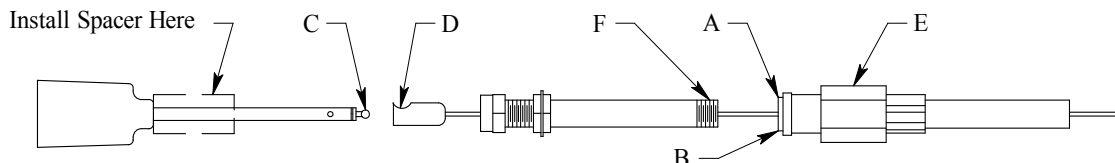


Use the 2342 & 2343 spacers with a Williams' manual electric valve.



Manual Electric Valve

Assembly instructions for cable and cable head.



- 1.) Place O-ring (A) on to seat (B)
- 2.) Slide ball (B) into slot (D)
- 3.) Push nut (E) onto threads (F) and tighten securely

Energy Manufacturing Company, Inc./Williams Machine & Tool
 Designers & Manufacturers of Hydraulic Cylinders, Valves, Pumps and Power Systems

204 Plastic Lane • Monticello, IA 52310-9472 • USA

Telephone: 319-465-3537 / Telefax: 319-465-5279

E-mail Address: info@energymfg.com

Web Sites: www.energymfg.com / www.williamsmachineandtool.com