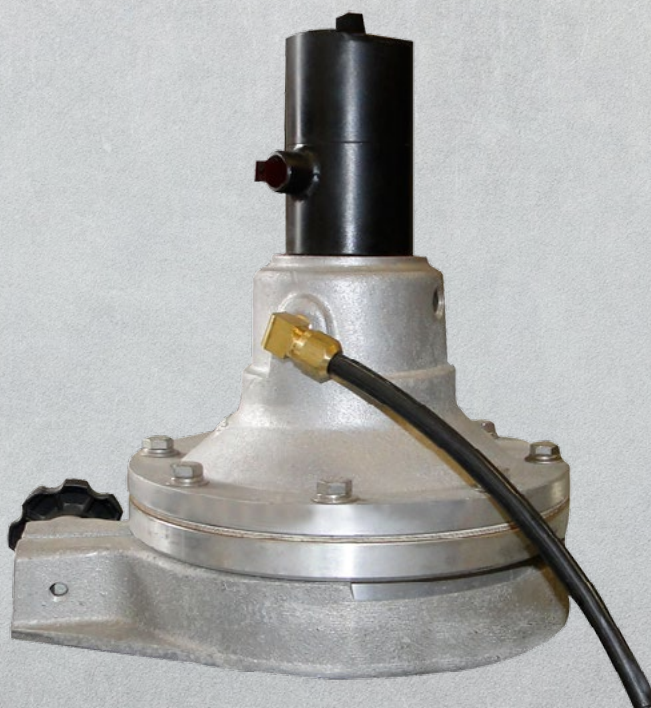




SPECIALTY HAULAGE SOLUTIONS FOR CONSTRUCTION AND MINING

PRODUCT INFORMATION BULLETIN

SPRAY HEAD SHORT-STROKE CYLINDERS



PRODUCT INFORMATION BULLETIN

Spray Head Short-Stroke Cylinders

Contents

Description	1	Converting Long-stroke Cylinders to	
Replacement	1	Short-stroke Cylinders	1

DESCRIPTION

In order to decrease on/off spray head delay time, Mega has introduced the “short-stroke hydraulic cylinder” for our spray heads. This is the new standard for all systems, and is *required* for all digitally-controlled systems (DiSCS) as of Firmware version 3.7.0 and up. The use of short-stroke cylinders decreases the delay time for spray head on/off requests from 5 seconds to 3 seconds. Short-stroke cylinders are a direct physical replacement for the previously-used long-stroke cylinder.

REPLACEMENT

Short-stroke cylinders may be purchased directly from Mega. They are available for both standard spray heads and corrosion-resistant (stainless steel) spray heads. The part numbers for our short-stroke cylinders are: **306680** (standard spray heads) and **306630** (stainless steel). Alternatively, long-stroke cylinders may be manually converted into short-stroke cylinders by introducing a spacer (**part number 047399-01**) into the cylinder. For more information on either of these parts, please contact the Mega Product Support Group at:

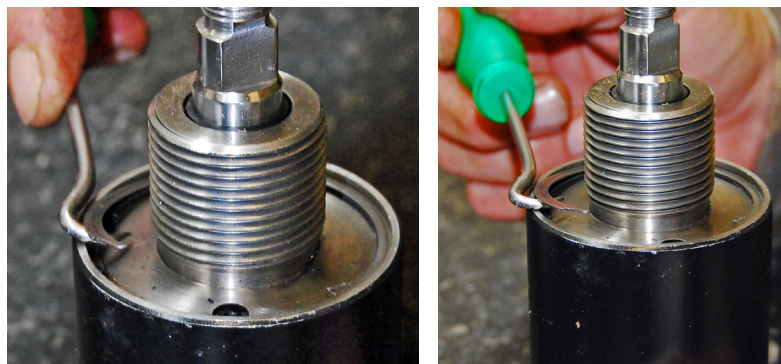
US toll free: 1-800-345-8889

Direct: 1-505-345-2661 or visit our website at www.megacorpinc.com for more detailed contact information.

CONVERTING LONG-STROKE CYLINDERS TO SHORT-STROKE CYLINDERS

The following instructions are designed to aid in the conversion of the old long-stroke hydraulic spray head cylinders into short-stroke cylinders. The spacer used in this conversion (**part number 047399-01**) is the same for both standard spray head cylinders and stainless steel spray head cylinders.

1. Remove gland retaining ring from threaded rod-end of the cylinder assembly, as shown.



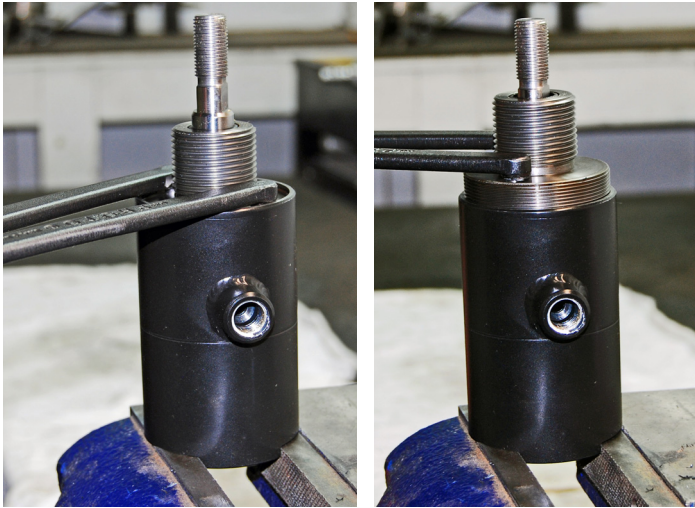
2. Secure cylinder housing in a vise, threaded rod-end up, as shown.



PRODUCT INFORMATION BULLETIN

Spray Head Short-Stroke Cylinders

3. Unscrew the gland from the cylinder housing as shown below:



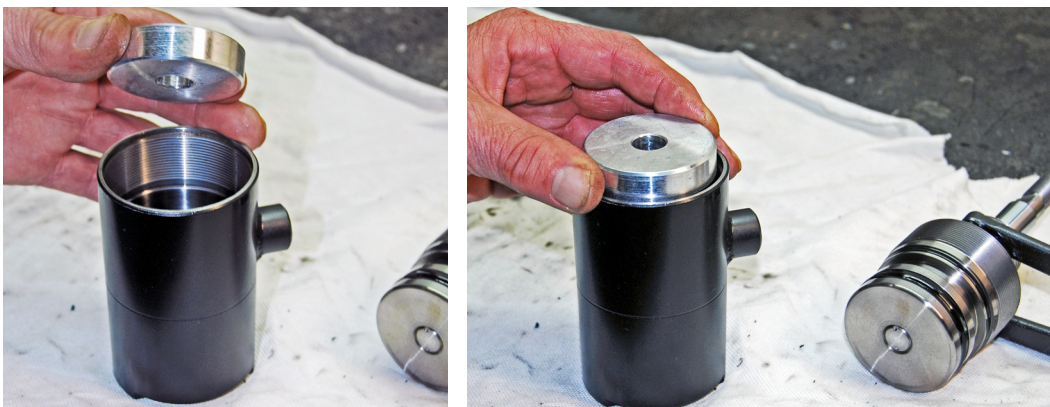
4. Once the gland has been unscrewed all the way, remove the cylinder from the vise. If necessary, apply low pressure air to the head end of the cylinder housing to dislodge the gland from the cylinder barrel as shown below:



CAUTION

Use low pressure air (10-20 PSI) to dislodge cylinder gland while pointing the cylinder in a safe direction.

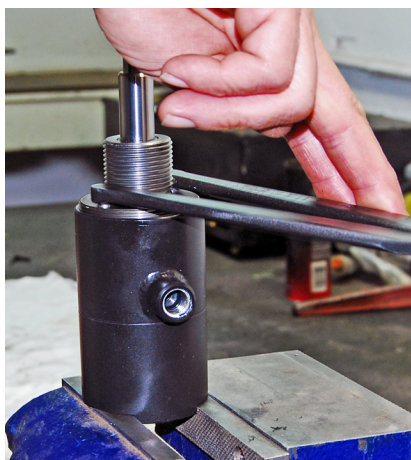
5. Insert the spacer (part number 047399-01) into the bottom of the cylinder housing, as shown below. Ensure that the cylinder lies flat and is not angled or tilted.



PRODUCT INFORMATION BULLETIN

Spray Head Short-Stroke Cylinders

6. Secure the cylinder housing on the vise and re-assemble the unit. Ensure that the gland retaining ring is fully seated.



7. Stamp the base of the assembled cylinder with the letters 'SS' to indicate that it is now a short-stroke cylinder.



If you do not understand these instructions or more information is required, please contact the Mega Product Support Group at:

US toll free: 1-800-345-8889

Direct: 1-505-345-2661 or visit our website at www.megacorpinc.com for more detailed contact information.

PRODUCT INFORMATION BULLETIN

Spray Head Short-Stroke Cylinders