



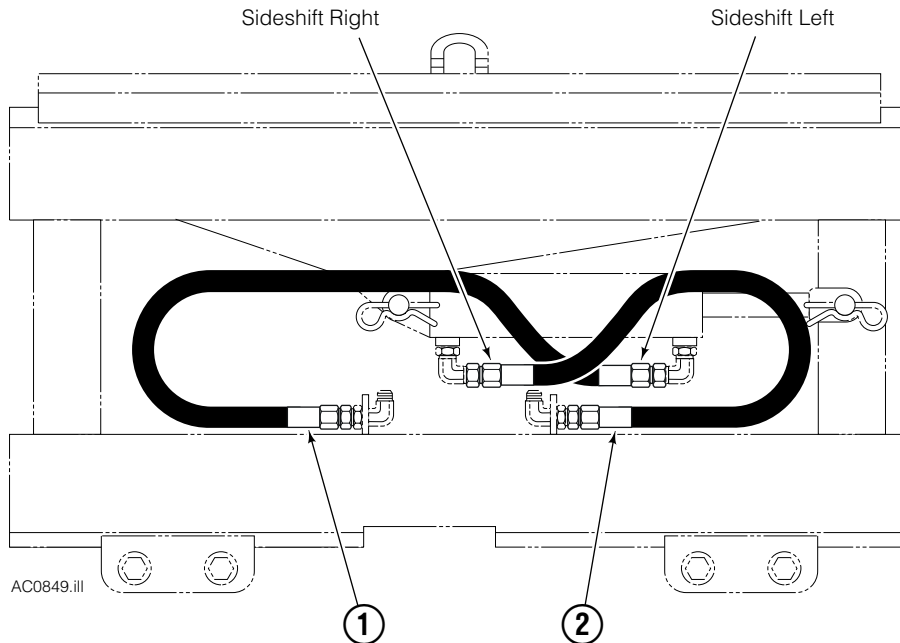
Installation Instructions

150D Sideshifter Installation Kit 209555

This sheet provides installation instructions for Cascade Sideshifter Hose Installation Kit 209555. The kit provide hoses to connect the hydraulic system on a standard Cascade Sideshifter to the hose terminals on the lift truck carriage.

A reusable fitting is provided on one end of each hose to allow cutting each hose to exact length.

NOTE: Hydraulic supply kits are available to connect between the lift truck auxiliary control valve and the truck carriage. Contact Cascade Customer Service for more information.



REF	QTY	PART NO.	DESCRIPTION
		209555	Hose Installation Kit-3000 psi
1	1	6030608	Hose, 6 (28.25 in.)
2	1	6030609	Hose, 6 (18.25 in.)

Part No. 209558-R1

cascade[®]
corporation

For Technical Support . . .

Call: 1-800-227-2233

OR

Write: Cascade Corporation, P.O. Box 20187, Portland, OR 97294

To Order Parts . . .

Call: 1-888-227-2233

OR

Write: Cascade Corporation, 2501 Sheridan Ave., Springfield, OH 45505

Reusable Hose Fittings

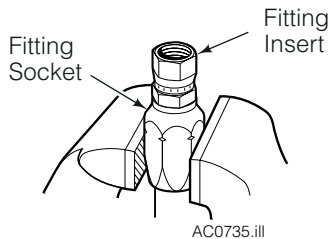
Kit hoses are equipped with reusable fittings to enable hoses to be modified to the exact length required for installation.

IMPORTANT: Do not shorten hoses to the point where they will be stretched or kinked when installed. When routing hoses, make sure they will not be pinched, rubbed, twisted, or otherwise damaged throughout their full range of movement. Use hose clamps to secure hoses if required.

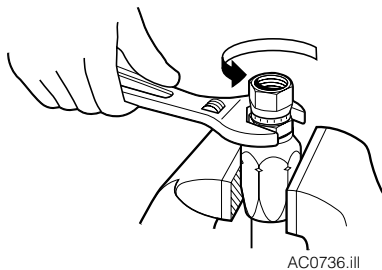
Fitting Removal

To shorten a hose, remove the reusable end-fitting using the following procedures:

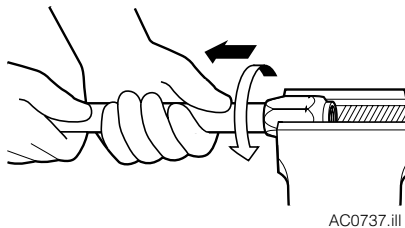
- 1 Clamp the fitting socket in a vise.



- 2 Unscrew the fitting insert from the fitting socket.



- 3 Unscrew the hose **clockwise** from the fitting socket.



Fitting Assembly

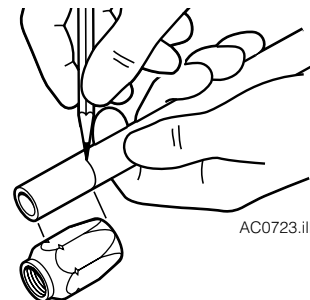
The hose inserts into the fitting socket to the depth shown below and as indicated by the marks on the fitting wrench flats. Make sure the hose is not cut too short for proper installation. Cut the hose to the desired length using a fine-toothed hacksaw or hose cutoff machine.

Hose Insertion Depth

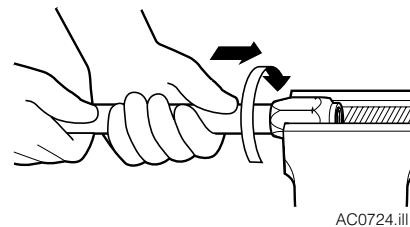
Hose Size	Screw Hose into Socket
No. 4	1.00 in. (25 mm)
No. 6	1.15 in. (29 mm)
No. 8	1.18 in. (30 mm)

- 1 Lubricate the fitting insert threads and hose ID.

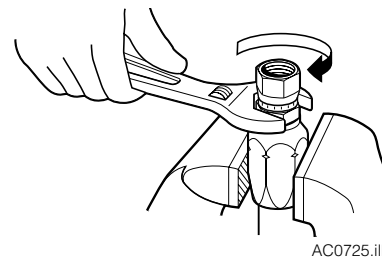
- 2 Measure from the end of the hose and mark the hose insertion depth using the marks on the wrench flats or the table above.



- 3 Screw the hose into the fitting socket **counterclockwise** (CCW) to the hose insertion depth mark.



- 4 Screw the fitting insert into the fitting socket until it touches the socket.



IMPORTANT: Inspect the hose for proper assembly. Look down the fitting ID checking for hose material that might prevent free flow. If the hose is damaged, remove the fitting and cut away the damaged hose. Reassemble the hose as in Steps 1 through 4. Use compressed air to clear the hose of debris.