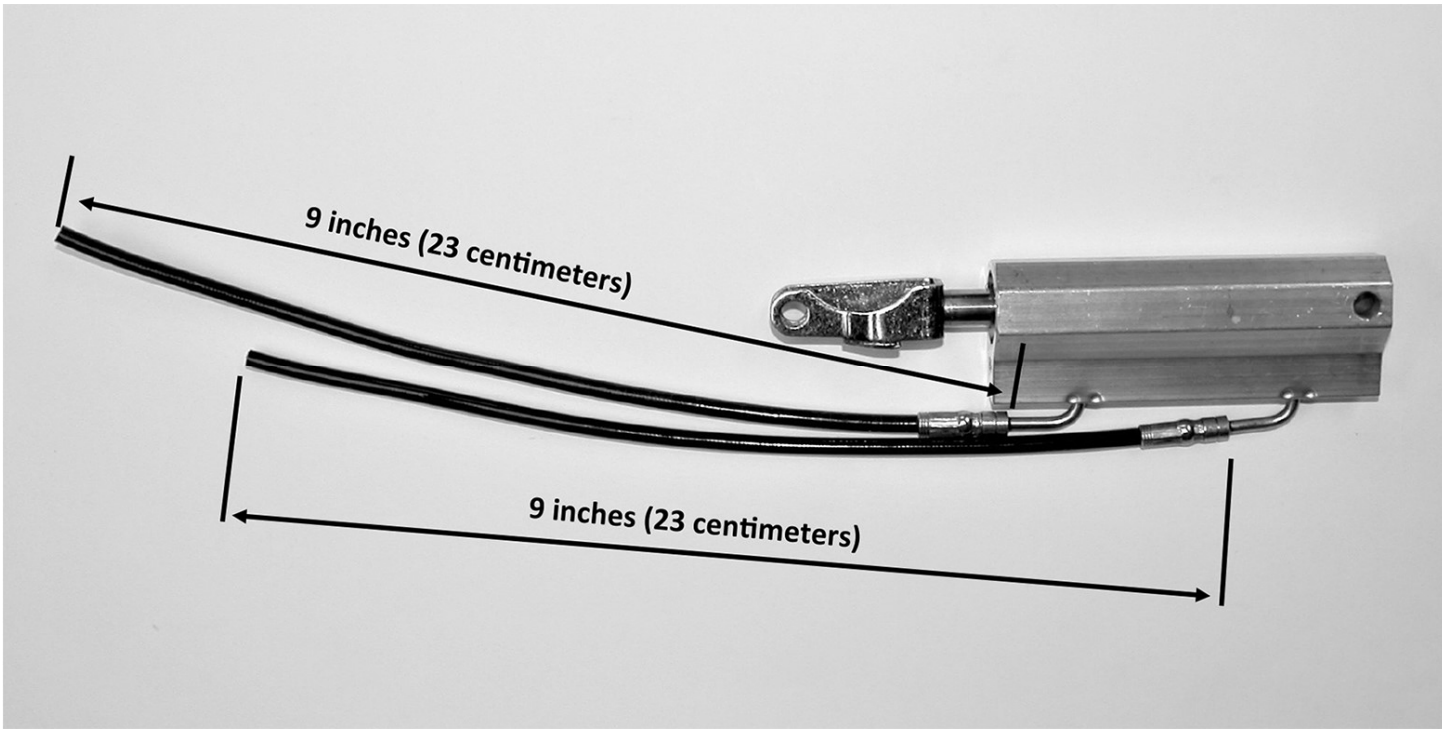
HOSE CUTTING & COUPLER INSTALLATION INSTRUCTIONS
2003-2012 MERCEDES-BENZ SL-CLASS
R230 CHASSIS - PN 2308000872

Disclaimer: These Hose Cutting & Coupler Installation Instructions are intended as a guide only for cutting and reconnecting the hoses. We do not include cylinder removal and installation instructions. Before you begin the repair, make sure that you have a clear plan from start to finish. Common sense and experience must be applied. If you are unsure about your ability, seek experienced help. Cabriolet Hydraulics, LLC is not liable for damages or injury.

FRONT LATCH HOSE CUTTING INSTRUCTIONS



Cylinder orientation for 2003-2012 Mercedes-Benz SL-Class (R230 chassis) as seen while sitting in the car and looking up, P/N 2308000872.

Step 1: Cover the interior below the cylinder with a towel to catch hydraulic oil.

Step 2: Measure each hose 9 inches (23 centimeters) from the respective metal cylindrical portion of the pipe elbow as shown in Pic 1. This spacing between the cut hose ends will ensure that when reinstalling the cylinder, your hoses will match up without the possibility of mixing up the connections.

Step 3: Cut the hose square across with a sharp utility knife. When cutting, use a small block of wood as a cutting board to support the hose. Be careful not to cut through surrounding electrical wiring. **Do not use wire/diagonal/side cutters, saws or cut-off wheels. Such tools distort the cut ends of the hose and produce loose particles that can enter the hose and cause hydraulic system failure.**

Continued…

FRONT LATCH HOSE CUTTING INSTRUCTIONS - CONTINUED

Step 4: To prevent dripping, wrap the cut ends of the hoses with a shop towel and zip tie.

Step 5: Remove the cylinder from the latch.

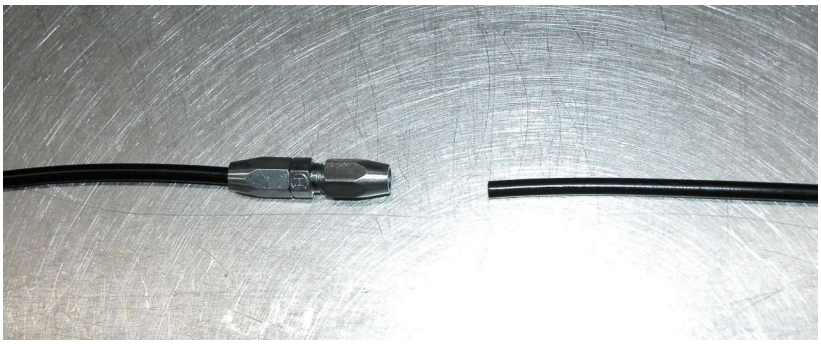
Step 6: Retract rod into the cylinder and seal in a plastic bag to contain any residual hydraulic oil when shipping to us. Remember to include your contact information with your shipment.

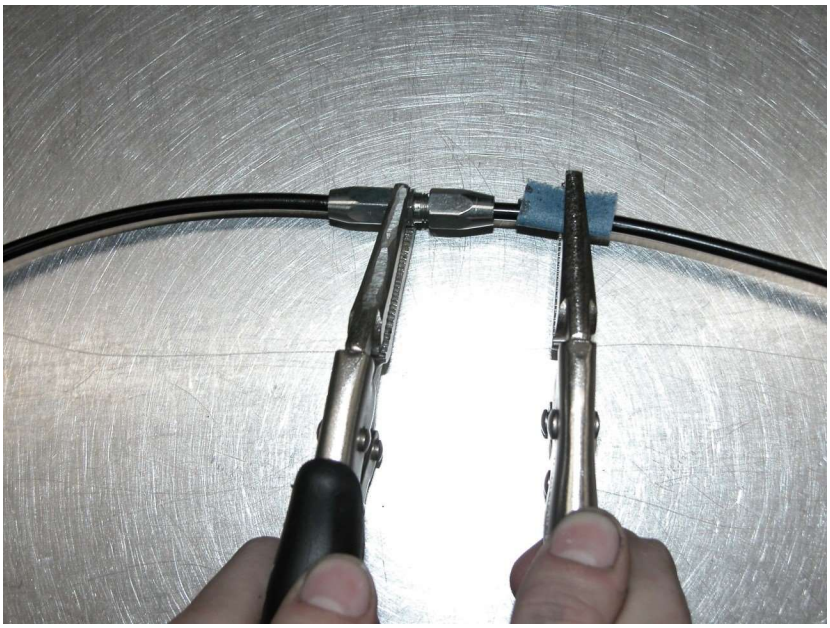
Ship cylinder to:
Cabriolet Hydraulics, LLC
2111 72nd Terrace E
Sarasota, FL 34243
(941) 756-1300

Hose Coupler Instructions begin on the next page.

HOSE COUPLER INSTALLATION INSTRUCTIONS

Step 1: Install the rebuilt cylinder into the latch and secure latch to the roof panel.





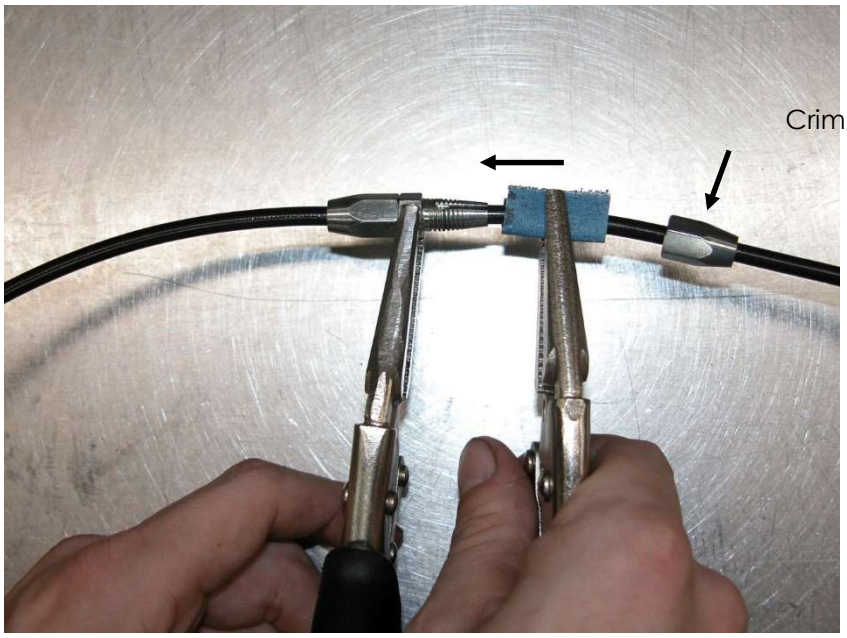
Step 2: Clamp coupler with locking pliers around the center hex of the coupler body.

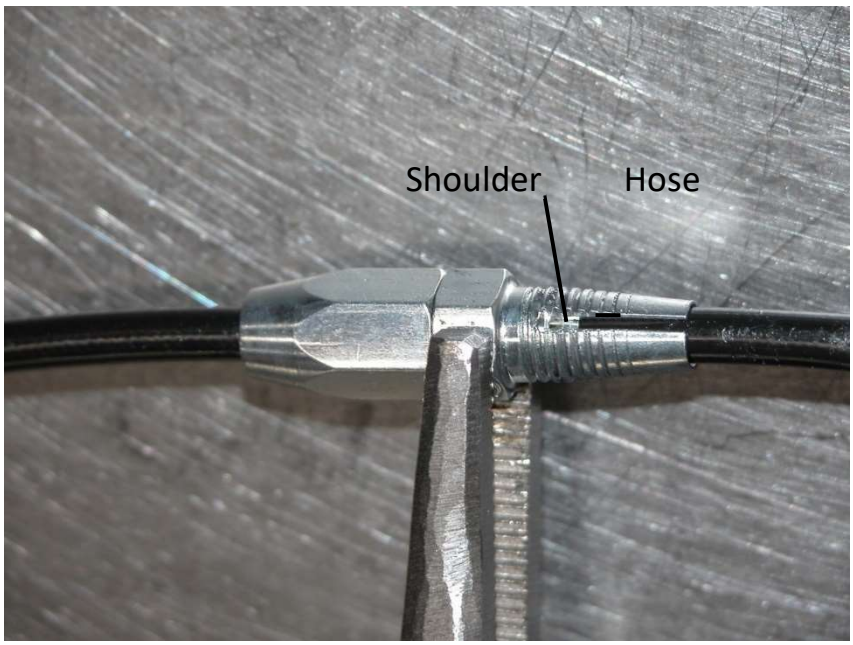
Step 3: Fold the supplied patch of sandpaper with abrasive side against the hose and clamp slightly with a second pair of narrow nose pliers. The sandpaper will provide grip and protect the hose from the plier jaws. Push the hose into the coupler while twisting back and forth.

***Note**: Once the hoses are pushed into the couplers they cannot be removed. Before pushing hose into the coupler, double check that cylinder installation and hose routing is correct. Check hose polarity to make sure hoses are not mixed up.*

Continued…

HOSE COUPLER INSTALLATION INSTRUCTIONS - CONTINUED





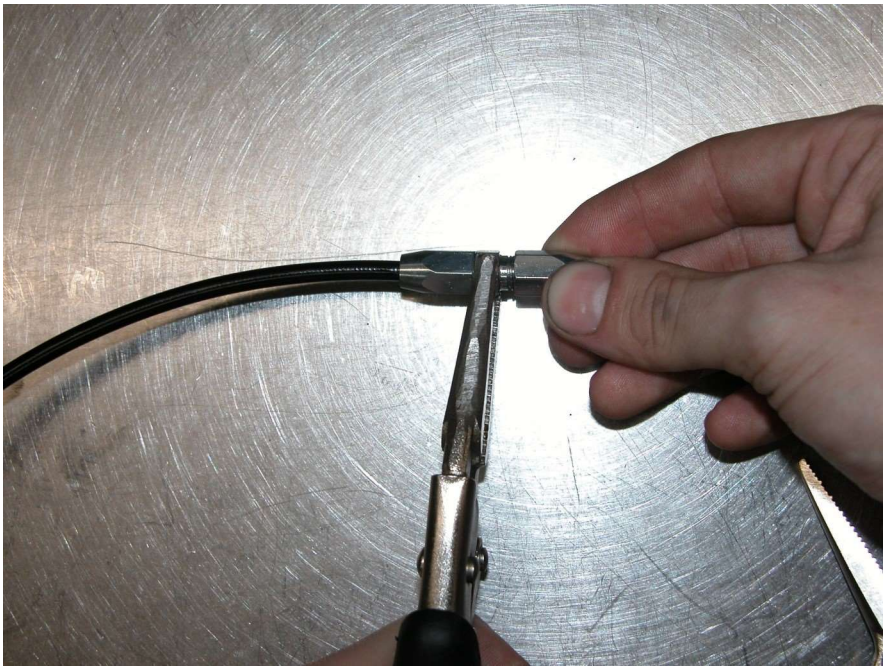
Step 4: Unscrew the crimping nut and slide away from the coupler.

Step 5: As before, fold the sandpaper with abrasive side against the hose and clamp slightly with narrow nose pliers. Continue to push the hose into the coupler while twisting back and forth, until the hose end is in contact with the shoulder inside of the slotted relief as show above.

Continued…

HOSE COUPLER INSTALLATION INSTRUCTIONS - CONTINUED

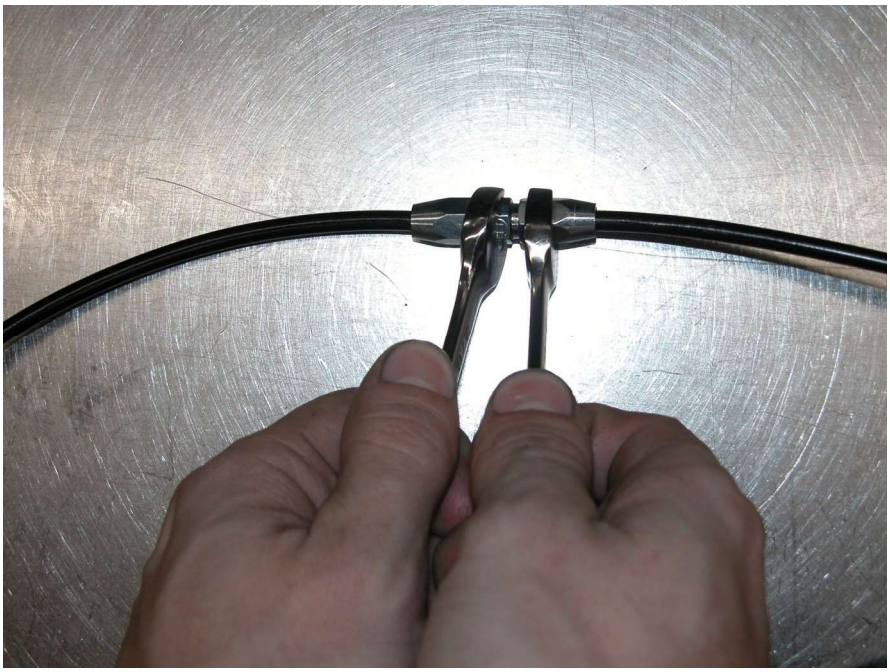
Important note: Once inserted, the tighter fitting hoses may be too difficult to remove from the coupler without damaging the hose end. If the hose is removed, inspect the end very carefully and trim off any damage. Do not attempt to cut and split the hose length wise inside of the coupler. Doing so will damage the barbed center and cause a leak. **Any tampering or damage to the coupler will void the warranty.**

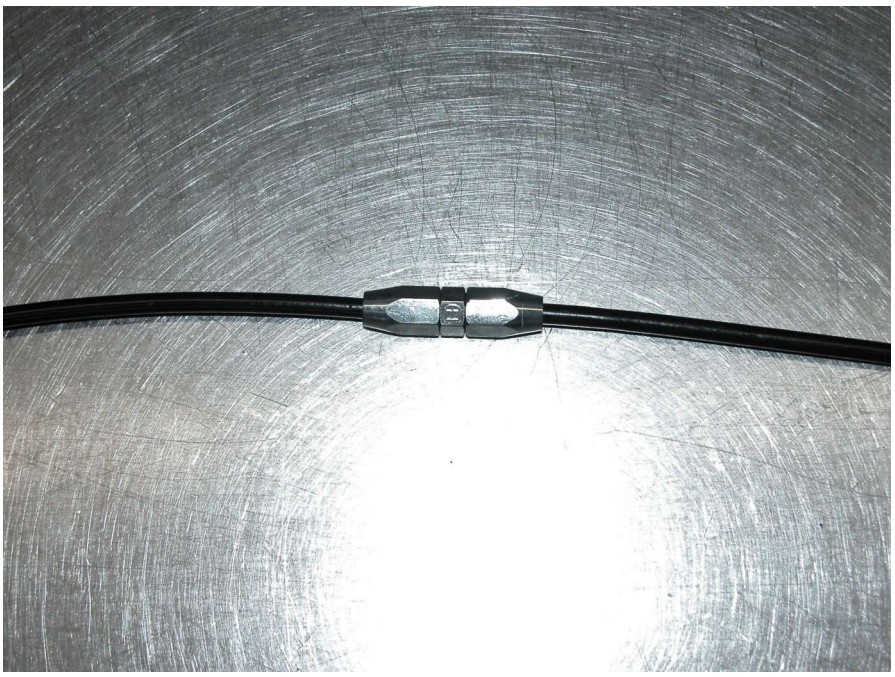


Step 6: To prevent cross threading, thread the crimping nut onto the coupler by hand until resistance is felt. The nut should be 1/8" away from the center hex of the coupler.

Continued…

HOSE COUPLER INSTALLATION INSTRUCTIONS - CONTINUED





Step 7: Support the center hex with a 3/8" open-ended wrench and with another 3/8" open-ended wrench or adjustable wrench, turn the crimping nut until it bottoms against the center hex. Rotation will become more difficult as the nut begins to bottom. A definite stop will be felt when the crimping nut bottoms. Repeat Steps 2-7 for other hose.