PTFE (Teflon) Transmission Cooler Line Kit

This kit is designed to replace the factory lines from the transmission case to a cooler. It does not include the adapter fittings from the line kit to the cooler. There are too many variations of threads and tube sizes to offer in an affordable kit.

Kit Contents

15 ft of PTFE Braided SS Hose	**2) Trans Case Adapters**
2) 45 Deg Hose Ends	**2) Straight Hose Ends**

Required Tools

Fine Tooth Hack saw	Duct Tape
Tape Measure	5/8" Wrenches
11/16" Wrenches	Bench Vise

Installation

1. Remove the old lines if the exist and measure them for length. If you are starting fresh without existing lines, determine the best path for the new hoses to travel and measure the lengths required to go from the transmission cooler fittings to the inlet and outlet of your cooler.

2. Remove the factory cooler fittings from the transmission case and install the provided Black case adapter fittings, using the supplied washer as a seal. Tighten them to 15 ft-lbs.

3. Cut the PTFE hose to the lengths determined in Step 1. Wrap the hose with "Gray" or masking tape at the length desired. Hose may be cut with a hack saw, if you have a 32-teeth-per-inch blade, otherwise a Beverly Shear, radiac, or chop saw will work fine. You want to keep the braids from fraying. After the cut, carefully remove the tape and trim from the frayed ends if necessary.

4. Clean the cut hose with compressed air and solvent to remove any residue from inside the hose.

 Please Note when assembling Black or Clear Covered PTFE Hose, it's necessary to strip a 1/4″-3/8″ of the cover off in order to spread the braid out and install the "olive".

5. Using our P/N:900061 aluminum vice jaws will help protect the hose from scratching during the next steps. If there is a concern about scratching, the hose end may be wrapped with tape for protection.

Disassemble the 45 deg hose end so that you have the hex shaped nut and Brass Olive seperate from the Nipple.

Place the socket over the hose,with the threads facing the end of the hose. Open up the braiding in order for the "olive" to slide over the PTFE liner. The braid must be spread sufficiently so that the small shoulder inside the "olive" rests against the cut end of the PTFE liner.

6. Using a round tool such as a pick, insrt it into the end of the hose to re-form the inner tube round from cutting.

7. It is very important to lubricate the inside of the hose/socket assembly, and the outside of the threads with any assembly lube, anti-seize compound, or 30 wt. Motor Oil. W/D-40 is not recommended!

8. Hold the hose and not the socket, start the hose on the nipple of the hose end, with a gentle motion. Continue pushing on the hose until the threads can be engaged. Some sizes may require the use of some force to engage the threads at this point.

9. It doesn't matter which portion (the socket or the nipple) is secure in the vise. Using a suitable wrench tighten the socket threads onto the Nipple. An adjustable "Crescent" type wrench is not recommended, as it may slip and damage the outside of the hose end.

10. Tighten until the socket is within .060-.080″ of bottoming out.

11.Clean the inside of the hose assembly with the clean solvent. Blow out residue with a compressed air. It is strongly recommended that you test the hose assembly for leakage before putting it into service. Be sure to lubricate the "B-nut" threads before installing on an adapter.

12. Repeat this procedure for the other three fittings.

13. Install the lines and check for leaks. AN fittings do not require unnecessary torque to remain tight. Hand Tight plus a quarter turn is usually sufficient.

!4. Secure the lines in place using billet holders or padded clamps which are available on our website.

Replacement Brass Olives are available on our site if needed for repair or line length changes.

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