Usage Instructions – GM Clip FIT510 Used in FIT404, FIT416

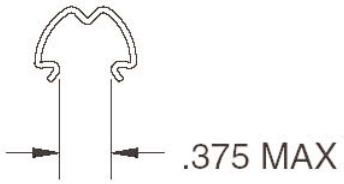
Notice: Proper technique is required to assure locking clip is not damaged during removal and installation.

These spring clips are used on certain GM vehicles to secure the transmission line in the fitting. If the clip is over-stretched, it will not secure the line reliably and could allow the transmission line to come loose. Make certain that, when removing and installing the clip, it is not stretched beyond its ability to spring back and secure the transmission line.

To remove the clip: Use a hooked pick, small screwdriver, or your fingernail, to catch one end of the clip and **rotate it** out of the fitting groove. Do not pull the clip straight off, as this will over-stretch the clip.

To install the clip: Install the clip into the fitting **before** inserting the transmission line or service fitting. Insert one end of the clip in the fitting groove, and then **rotate** the clip around the fitting until it latches fully into the fitting. Do not install the clip straight on, as this will over-stretch the clip.

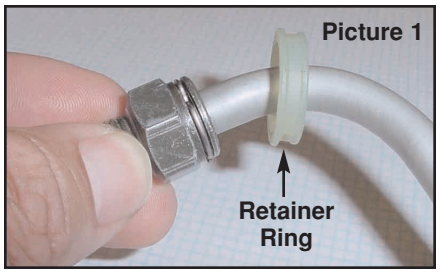
Note: The spring clip should have no more than a 3/8" opening (see illustration at right).



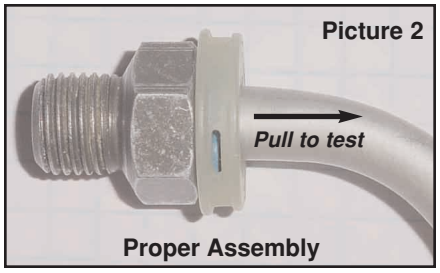
Spring clip opening

1. Use a straight section of the 3/8” tubing fitting on the vehicle to check the maximum opening of the clip. If the clip passes freely over the 3/8” tubing, ***DO NOT USE!***

2. Retainer ring (shown in picture 1) should be properly reinstalled after refitting the clip (picture 2). Failure to refit this retainer ring could potentially lead to failure at the joint and result in damage to the transmission.



3. Once assembled, test the joint for integrity by applying a light force to the joint in a direction which would tend to pull the tubing from the fitting. A properly fitted assembly will not come apart.



4. Always use a new clip when refitting the transmission line.