

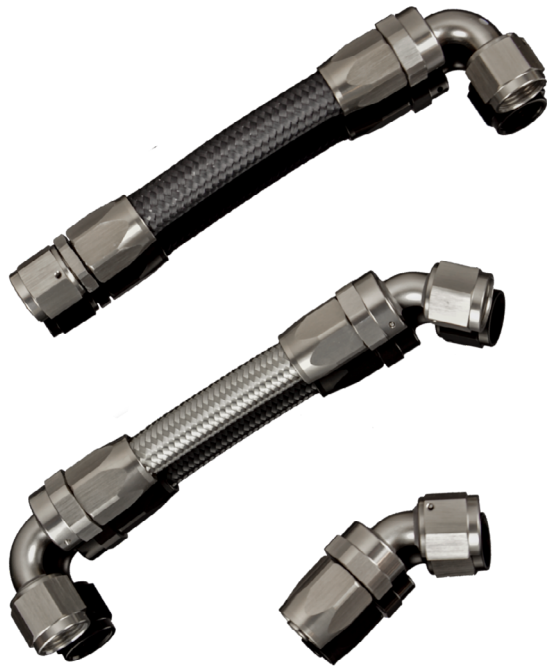
PTFE Hose End Assembly Guide

Overview

- Cutting the hose
- Hose End Nut install
- Hose End Fitting install
- Completed Product

PLEASE READ: This guide is intended to aid in the assembly of DW PTFE hose ends.

Below is a picture of some suggested tools that will make the installation process easier.



About PTFE Hose and Fittings



1 – PTFE Hose is available in black nylon braided (shown) and bright stainless braided. The DW PTFE (Polytetrafluoroethylene) hose is commonly referred to as Teflon hose. It is rated at 1,000+ psi. and -70 to 500 Degrees Fahrenheit. This line is 100% compatible with ALL fuels including diesel, E100, and Methanol. It is 15% lighter and 20% more flexible than CPE.

2 – Fitting Nut is designed to crush the ferule and permanently seal the fitting to the hose.

3 – Ferule acts as a bushing to seal the Hose End (4) and Nut (2) to the hose as well to keep the hose from slipping out of the fitting. The ferule is commonly referred to as an olive and is not reusable.

4 – Hose End threads into the nut and crushes the ferule. This is the end piece that makes all the connections to the rest of the system possible.

Hose Assembly

1 For easier installation it's always better to start with a fresh square cut on the hose. This will help with any fraying or rough edges that may have developed during storage or shipping. It's up to you whether you would want to use tape or not to ensure a good cut with no fraying. With good sharp cutters it is nice and easy and will make the install clean and easier.



2 During the cut you may crimp the hose. Make sure it's nice and round so the installing the nut that will go over it will be smooth.



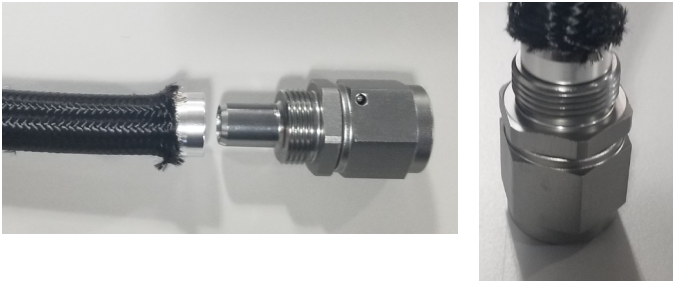
3 After installing the nut onto the hose, flare out the stainless braid to make it easier to install the feral onto the PTFE Lining



4 Once the braid has been pulled back, slide the feral onto the PTFE liner and press down until it is againce the lip shown below



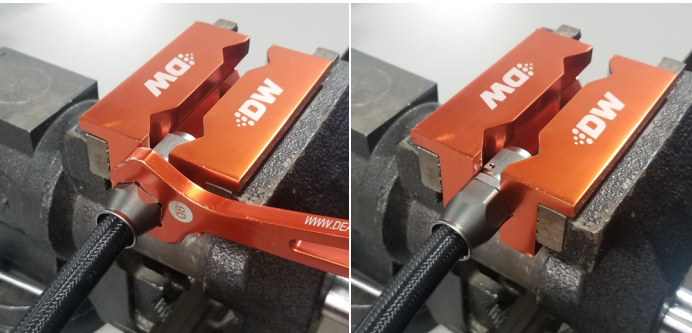
5 To install the hose end, slide the hose with the feral over the nipple of the fitting. Make sure not to get caught on any rough edges of the PTFE liner as this will prevent a good seal and make install more difficult. Once the liner has started on the nipple, press firmly until the feral is bottomed out on the fitting.



6 Slide the nut up to the fitting and thread as much as possible by hand to ensure they do not cross-thread.



7 Tighten the nut until it is flush against the fitting



8 Make sure the nut is well secured and tight. Lining up the hex on the nut and the hose end is a nice touch, as later on in the vehicle it makes for sliding on a wrench that much easier. The picture below it what the finished product should look like. As with all fuel system components, double check for any leaks before driving the vehicle.



For additional technical support please contact us at: TechSupport@Deatschwerks.com or 405.233.3991