

ACESEFI - PTFE HOSE KITS

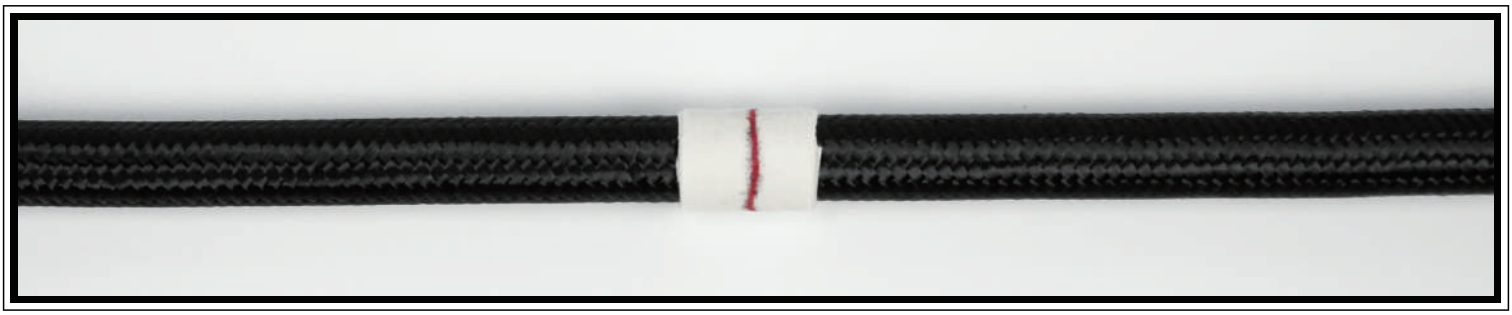
THIS MANUAL IS INTENDED FOR AF4101 AND AF4102 PTFE HOSE KITS

Kit Contents

AF4101	Black PTFE Hose Kit (20')	**6**	AN-6 Straight Hose End
AF4102	Black PTFE Hose Kit (40')	**3**	AN-6 45° Hose End
1	10 Micron Fuel Filter	**3**	AN-6 90° Hose End
2	ORB-8 to AN-6 Filter Fitting	**1**	Hose End Assembly Tape
1	Check Valve	**10**	Clamps

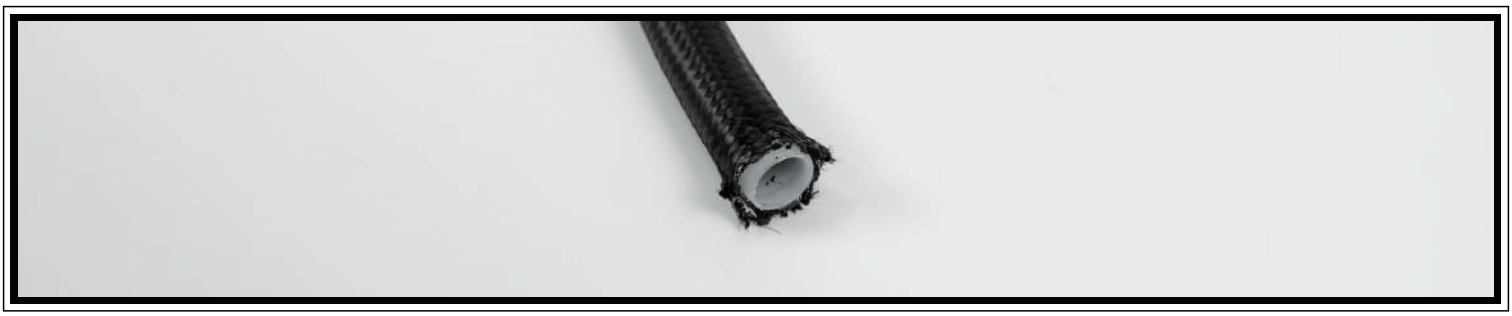
The Aces EFI PTFE hose is adept at handling various automotive fluids, including diverse fuels like gasoline, ethanol, or flex fuels (E85), as well as oil and coolant. Equipped with an anti-static liner within the PTFE tube, it mitigates the risk of electrostatic accumulation and subsequent discharge, which might lead to leakage.

- Precision in assembling the hose is crucial to ensure maximum leak-free performance.
- It's important to avoid sharp bends in the hose routing, which may induce stress on the hose and lead to kinks, or positioning it near high-temperature components like exhausts and headers, as this could result in damage or leaks.
- Ensuring a slight slack in all hose lengths and avoiding twists can significantly prolong the hose's durability.
- For certain models, the hose features a black covering that enhances its appearance and provides flame-retardant qualities.



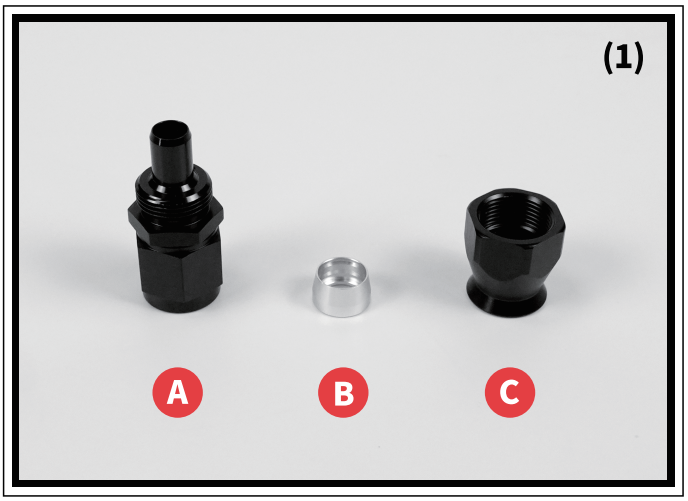
Step 1:

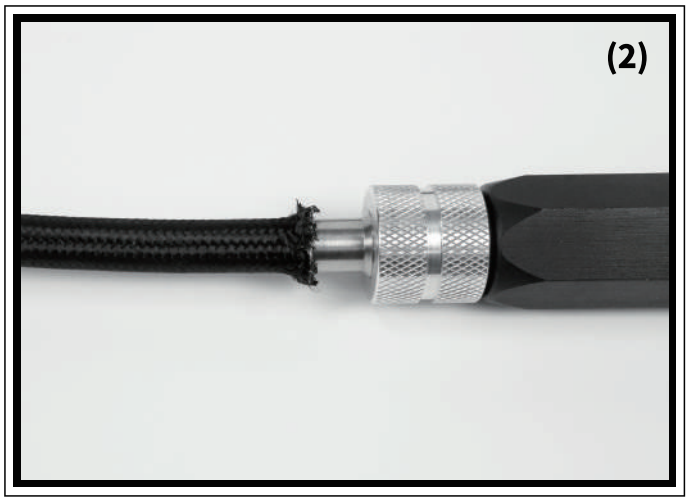
During installation, it's essential to measure carefully to determine the right hose length, accounting for the length needed for hose end fittings. First, finish one end of the hose and attach it to the appropriate connection point. Then, lay out the hose to measure the remaining length before cutting. Securely wrap tape around the hose at the cutting point to prevent fraying. When cutting a stainless steel braided hose, use specific tools like a toothless chop saw blade for optimal results. A fine-toothed band saw, heavy-duty cable shears, or a rotary tool with an abrasive wheel can also work, provided they make a clean, fray-free cut.

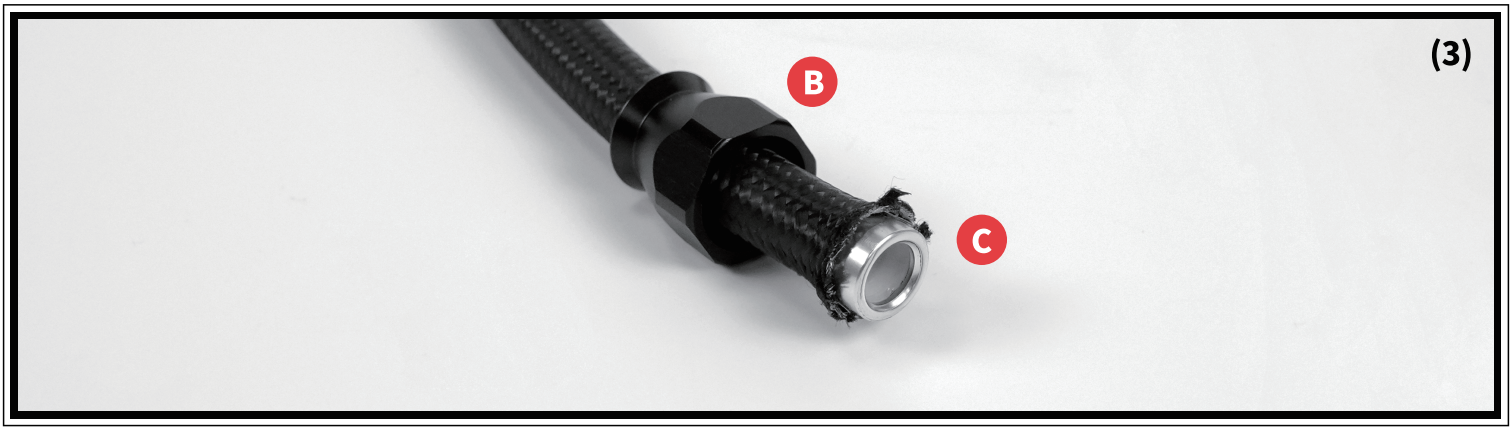


Step 2:

After carefully cutting through all the layers of the hose, remove any debris from the hose end, then disassemble the hose-end fitting starting with the B-nut. Locate and set aside the internal ferrule for later use.

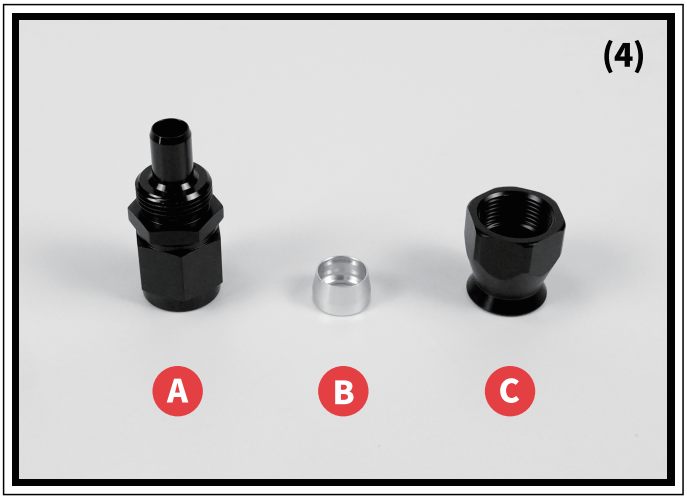


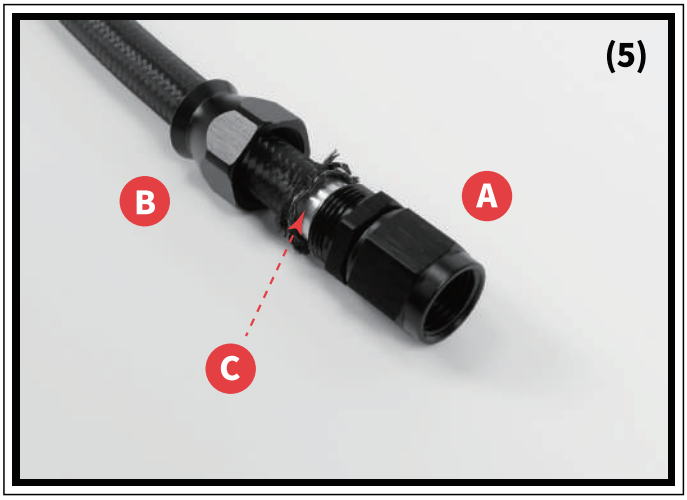




Step 3:

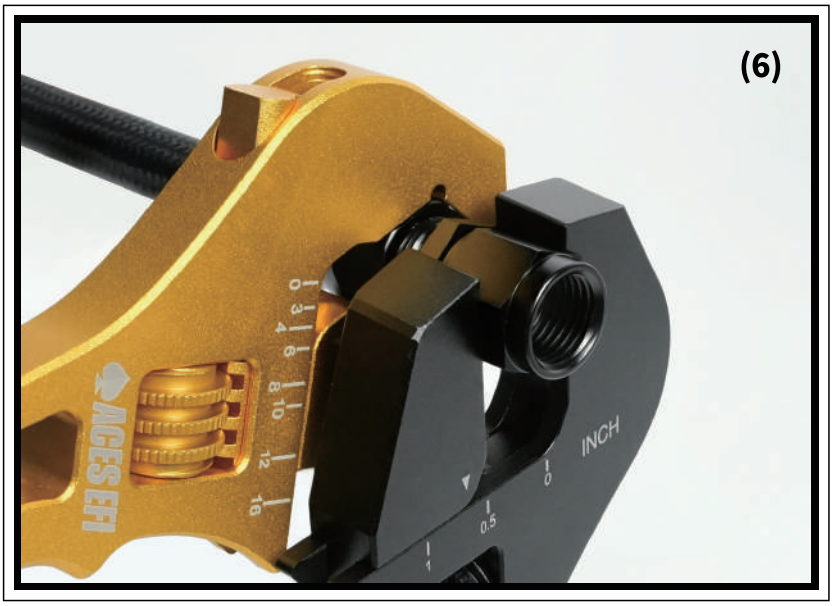
When inserting the hose into the B-nut, handle it carefully to avoid excessive fraying of the stainless braid, especially for hoses with a black covering. If fraying occurs, it may still be usable, just trim the strands after attaching the connection pieces. For severe fraying, consider re-cutting the hose or removing the black covering. After starting to insert the hose into the B-nut, remove the tape and slide the B-nut up by about 1". Next, place the previously set aside ferrule (C) under the steel braiding, ensuring the hose liner is against the ferrule's shoulder. Loosen or slightly fray the braiding for the ferrule to fit properly (we used a special tool here in image #2). Image #3 shows the ferrule (C) sitting properly on the end of the hose and the B-nut (B) slid back about 1" for the next step.





Step 4:

Fully insert the hose end into the hose, ensuring correct alignment and seating. Trim any fraying of the black polyester covering at this stage to avoid thread interference. Make sure the hose lining doesn't fold over during this process.



Step 5:

Lubricate the threads before threading the B-nut onto the hose end, applying pressure initially to ensure correct engagement of the threads. Care is needed to avoid stripping the threads. Secure the B-nut using a vise or wrenches, ensuring not to over-tighten or distort it. Aluminum threads can strip very easily, so be careful during this step. Tighten the hose end so that there is no gap left between it and the B-nut. Using aluminum vise jaws and non-marring wrenches is advisable to avoid damaging the hose's surface finish.

Once the assembly is complete, perform a pressure test to confirm the installation's integrity. If pressure testing is not feasible, a thorough visual inspection during initial use is recommended.



California Proposition 65 Warning:

This product may contain one or more substances or chemicals known to the state of California to cause cancer, birth defects, or other reproductive harm.

www.P65Warnings.ca.gov