

INSTRUCTION MANUAL

STAND PIPE & DUMMY PLUG KIT FOR FORD 6.0L POWER STROKE E/F-SERIES 6E7Z-9A332-B FUEL SUPPLY TUBE

PART NUMBER SP100 | 2004.5-2010

REQUIRED TOOLS & PREP

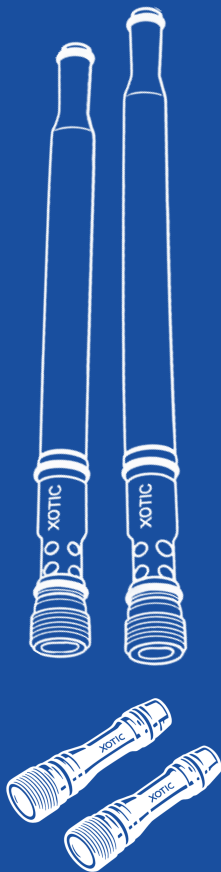
1. Socket set: 8mm, 10mm, possibly 12mm hex for early standpipes
2. 12mm Allen (for standpipe removal/installation)
3. Torque wrench
4. O-ring pick, clean motor oil, shop rags
5. Battery disconnect tool or wrench
6. T30 Torx bit (for oil rail bolts)

STEP 1: PREPARE THE ENGINE

1. Disconnect both negative battery cables.
2. Passenger/Right Side:
 - A. Remove the glow plug control module and its bracket.
 - B. Remove the hot-side intercooler pipe.
3. Remove valve covers (12 mm bolts) and any components obstructing access to the high-pressure oil (HPO) rail.
 - A. The dummy plug is located at the front of the head.
 - B. The standpipe is located at the rear of the head.
4. Driver/Left Side:
 - A. Remove the mounting bolts for the coolant reservoir and push it aside without disconnecting hoses.
 - B. Remove the air filter housing and intake ducts/tubes, covering the turbo inlet with a clean shop towel to keep debris out.

STEP 2: REMOVE HPO RAIL, STANDPIPE AND DUMMY PLUG LOWER

1. Prepare to pull the oil rail bolts out using a T30 Torx bit. Before removing the rail bolts, loosen the standpipe and dummy plug using a 12mm hex wrench or key.
2. Remove the standpipe upper part and the dummy plug.
3. Remove the HPO rail bolts and lift the rail straight up. Note: For best performance, drain the old oil from the HPO rail as part of the maintenance process.
4. With the rail out, check the ball tubes. They should move freely, but not excessively loose.
5. Using a pair of angled needle-nose pliers, remove the rear lower portion of the standpipe from the engine. Note: The pipe may be lodged in very tightly; pulling and wiggling may be required.



STEP 3: INSTALL STANDPIPES & DUMMY PLUGS

1. Release the upper portion of the standpipe (interconnector) and detach it from the standpipes.
2. Lightly lubricate the new XOTIC PERFORMANCE O-rings (lower part of the standpipe) with clean engine oil or a suitable lubricating compound such as Sil-Glyde or assembly goo.
3. Guide the lower part of the standpipe into place. Push in until it stands on its own and you can feel it engage in the hole.
4. Carefully install the HPO rail. You should feel the ball tubes drop into place.
5. Install the rail bolts and torque them to 10 ft-lbs, starting in the center and working outward.
6. Install the interconnector to the rear standpipe. Push in until the threads engage, tighten by hand, then torque to 60 ft-lbs.
7. Install the dummy plugs and torque to 60 ft-lbs.

STEP 4: REINSTALL VALVE COVERS, AND ACCESSORIES

1. Reinstall the valve covers, glow plug, control, and piping.
2. Start and operate the vehicle. Note: When HPO rails are drained of oil, extended crank time is required to start the engine. If the problem persists after installation and initial run time, removal and inspection for leaks will be necessary.

STEP 5: FINAL CHECKS

1. Monitor ICP/HPOP codes—hard starts or codes (P2290, P2291, P0201-P0208) may indicate oil leaks or faulty installation.
2. If hard starts persist after clearing codes, checking for internal leaks may be required.

TIPS FROM EXPERIENCE

1. The passenger side is tight—more patience and care needed.
2. Keep everything ultra-clean—any contamination in the HPO system can cause major injector issues.
3. Use only high-quality oil to lube O-rings and nipple surfaces.
4. Be very careful with installation to ensure no damage is caused to the O-rings or nylon seals on the components.
5. For detailed visual guidance, scan the QR code below to watch our full step-by-step installation video. This video covers the entire standpipe and dummy plug installation process in real time, including disassembly, inspection, lubrication, and torque sequence. Scan the code with your smartphone camera to follow along while working.



SCAN QR CODE FOR VIDEO INSTRUCTIONS



NEED HELP?

For technical support, please email:

tech@xotic-performance.com



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