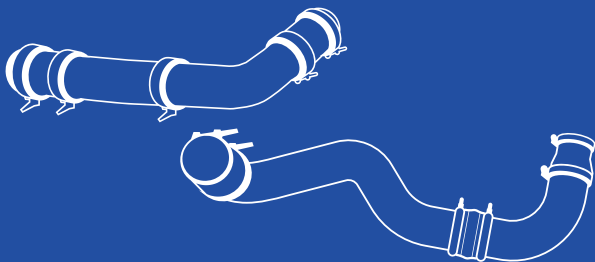


# TURBO INTERCOOLER OUTLET COLD SIDE CHARGE PIPE

**XOTIC®**  
PERFORMANCE

FOR FORD POWER STROKE 6.7L

PART NUMBER LP100 | 2017-2024



## TOOLS & COMPONENTS YOU'LL NEED

1. XOTIC PERFORMANCE Cold Side Intercooler Charge Pipe (includes 6061 aluminum pipe, two 4-ply silicone boots, four stainless spring-loaded clamps)
2. 7mm socket or flathead screwdriver (for clamps)
3. 11mm or 13mm socket & ratchet (for intercooler bracket, if necessary)
4. Ratchet extensions
5. Clip Removal tool
6. Angled pick
7. Optional: penetrating oil to ease clamp removal
8. Optional: light coat of lubricating compound for smoother coupler slip-on. Note: too much lubrication can cause boots to detach under boost, use sparingly and with judgement to ensure a leak free install.

# Step-by-Step Installation Guide

## 1. WARM THE ENGINE (COLD WEATHER)

Run the engine to operating temperature to soften rubber boots. If the ambient temperature is over 70 degrees this step shouldn't be necessary.

## 2. LOOSEN STOCK CLAMPS & REMOVE OEM PIPE

Using a socket or screwdriver, loosen the and lower clamp on the factory rubber boot.



Disconnect the air sensor plug, remove harness with clip removal tool and tuck harness out of the way.





Using a pick or flat blade screwdriver remove the factory retainer clip. Slide the couplers off and remove the OEM plastic pipe.

### 3. REMOVE INTERCOOLER MOUNT (IF NECESSARY)

If bracket obstructs installation, remove it with an 11mm or 13mm socket.

### 4. INSPECT COMPONENTS

Ensure the OEM couplers are removed and inspect mating surfaces for cleanliness. Confirm you have:

- One **6061 aluminum charge pipe**
- Two **4-ply silicone boots**
- Four **stainless spring-loaded clamps**
- Aluminum coupler and retainer clip (replaces the plastic OE)

### 5. PRE-FIT THE ASSEMBLY

Place a silicone boot over each end of the new pipe. If needed apply a light coat of lubricating compound (sil-glyde or silicone safe compound) to the pipe to allow for an easier install. Use sparingly.



Slide the lower boot onto the intercooler outlet first, then the upper boot onto the turbocharger outlet. **Note: It is easier to install clamps on before sliding boots on.**

Leave clamps loose for final alignment. Adjust the boots and compare the alignment of the new pipe to the factory pipe to ensure proper fitment.



### 6. ALIGN & SEAT PIPE

Install and position the assembly piping flush into the vehicle. Ensure both silicone boots, have proper clearance from wiring or hoses. Push aluminum coupler (with retainer clip and seal) into place. Pull on the pipe to ensure it is locked into place.





## 7. SECURE CLAMPS

Using pliers or screwdriver, compress and seat each spring clamp squarely over the silicone boot ends—four clamps total. Ensure they're evenly seated to form a leak-proof seal under pressure.



Install air sensor, connector and install and secure wire harness.



## 8. REINSTALL BRACKET (IF NECESSARY)

If removed earlier, bolt the intercooler bracket back in place and torque to factory specs.

## 9. DOUBLE-CHECK FITMENT

Verify:

- Pipe is centered and not contacting nearby components
- Clamps sit square and snug
- Silicone boots aren't twisted or pinched

## 10. PRESSURE & LEAK TEST

Start and idle the engine. Inspect cluster for hiss or leaks.

Once confident, test drive, then re-check clamp seating after turbo cycles.

## Final Thoughts

- The **6061 aluminum tubing** delivers long-lasting durability—no more brittle factory plastic
- Push the **lower boot on first**, then the upper—makes installation easier
- A **light** amount of **lubricating compound (sil-glyde or silicone safe lube)** on coupler ends makes sliding easier
- Tighten clamps uniformly—avoid uneven sealing or twisting

## TORQUE SPECS & LEAK TESTING (OPTIONAL)

- **Clamps:** snug until spring is fully engaged—no need to overtighten
- **Intercooler bracket bolts (if necessary):** torque to factory spec (check service manual)
- After installation, test boost under load and ensure no drop or fluctuations.



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## NEED HELP?

For technical support, please email:  
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