

# CUMMINS TRANSMISSION LINE KIT

## Universal Installation Guide

**Fitment:**

1994–2007 Cummins 5.9L (47RE / 48RE) · 2007.5+ Cummins 6.7L (68RFE)

Designed for factory and Mishimoto cooler applications.



### COMPATIBLE PART NUMBERS

FSD-09-BE

FSD-10-B

FSD-10-BE

FSD-11-B

FSD-11-BE

FSD-12-B

FSD-13-B

FSD-50-B

FSD-0307-1RTL

FSD-0307-2RTL

FSD-0307-3RTL

# INSTALLATION

## PRODUCT OVERVIEW

- Installation procedures are generally consistent across all transmission line kits.
- Minor variations between applications are outlined below to address common differences.

### STEP 1 LINE REMOVAL

Remove the existing transmission line(s) being replaced.

- Applies to full kits, bypass kits, and single-line replacements.
- Identify and note line routing before removal.
- Mark which transmission ports correspond to which cooler ports.

### STEP 2 TRANSMISSION FITTINGS INSTALLATION

Remove the factory fittings and install the supplied AN adapter fittings.

- **1994–2007 (47RE / 48RE):** Tapered threads — use thread sealant or tape. Do not overtighten — the transmission case can crack.
- **2007.5+ (68RFE):** O-ring sealed fittings — no sealant required.

Once the fittings are installed and snug, proceed to cooler preparation.

# INSTALLATION (CONTINUED)

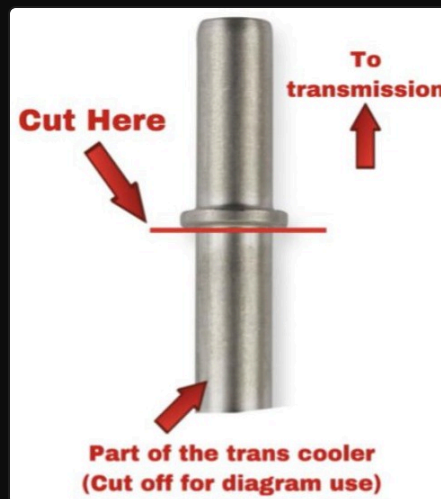
## STEP 3 TRANSMISSION COOLER PREPARATION

2003–2009 with Mishimoto MMTC-RAM-03SL or 2010–2012 factory cooler:

- Install the supplied fittings directly into the cooler — no sealant required.

1994–2009 factory cooler or 1994–2002 with Mishimoto MMTC-RAM-94SL:

- Cut the cooler tube just behind the first flare (furthest from the cooler).
- Deburr and smooth the tube.
- Slide the supplied compression adapter fully onto the tube.
- Tighten using two wrenches.



### NOTE

The compression ferrule permanently seats onto the tube. This is far more secure and reliable than hose clamps.

## STEP 4 LINE ROUTING & INSTALLATION

Route the new transmission lines:

- Lines may be longer than factory to allow for cleaner routing.
- Keep clear of heat sources, moving components, and sharp edges.
- Secure the lines properly to prevent rubbing or vibration.

# FINAL CHECKS

## STEP 5 FINAL CHECKS

- Verify all fittings are tight.
- Start the vehicle with the transmission in neutral and check fluid level.
- Inspect all connections for leaks.

### If leaks occur:

- Compression fittings — tighten slightly until the leak stops.
- Adapter fittings — check the O-rings or for looseness.

Recheck the fluid level after operation and confirm proper transmission function.

## WARRANTY NOTE

The lifetime warranty on transmission lines is voided if they are not securely fastened and come into contact with moving components. The warranty covers any manufacturer defects during the assembly process.

## NEED HELP?

**Call or text 908-223-9744. Send pictures or video and we'll walk you through it.**

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