

Z1 THROW-OUT BEARING INSTALLATION TOOL INSTALLATION MANUAL

**PROLOGUE:**

Study these instructions completely before proceeding to assembly. The installer must have a thorough knowledge of automotive systems operation. If unfamiliar with any of the concepts outlined in this instruction, we recommend the installation be completed by a qualified professional.

WARNING!

Extreme caution should be taken when performing maintenance or performance upgrades to your vehicle. Please observe and abide by any Warning or Caution labels placed on the various components and tools used when servicing your vehicle. If you have any questions regarding installation or the various components included with the Z1 Motorsports Throw-out Bearing Installation Tool, consult with a Professional Mechanic, or contact Z1 Motorsports for more information.

PARTS INCLUDED:

Item	Quantity	Description
1	1	Top Alignment Piece
2	1	Bottom Alignment Piece
3	1	M12 x 1.25 Hex Head Screw, 19mm

TOOLS REQUIRED:

- Ratchet
- Ratchet Extension(s)
- Assorted Metric Wrenches
- Assorted Metric Sockets
- Vise
- Impact Gun

SAFETY REQUIREMENTS:

- Always wear safety glasses and any necessary protective garments. If using any fluids, chemicals, or solvents, a respirator is recommended.
- Always turn the ignition to the OFF position and disconnect the NEGATIVE battery terminal.
- Always use properly rated jack stands when working under your vehicle.
- Always keep limbs and parts away from moving drivetrain parts.
- Only operate drivetrain in safe space and well-ventilated areas.

BEFORE YOU BEGIN:

Remove contents from the Z1 Motorsports Throw-out Bearing Installation Tool and verify that ALL necessary hardware is present.

PROCEDURE:

1. Locate your Throw-out Bearing, Retaining Sleeve and the Bottom Alignment Piece. Place the base of the Retaining Sleeve into the Bottom Alignment Piece as shown below and position the Throw-out Bearing in the correct orientation on the Retaining Sleeve. *Figure 1.*

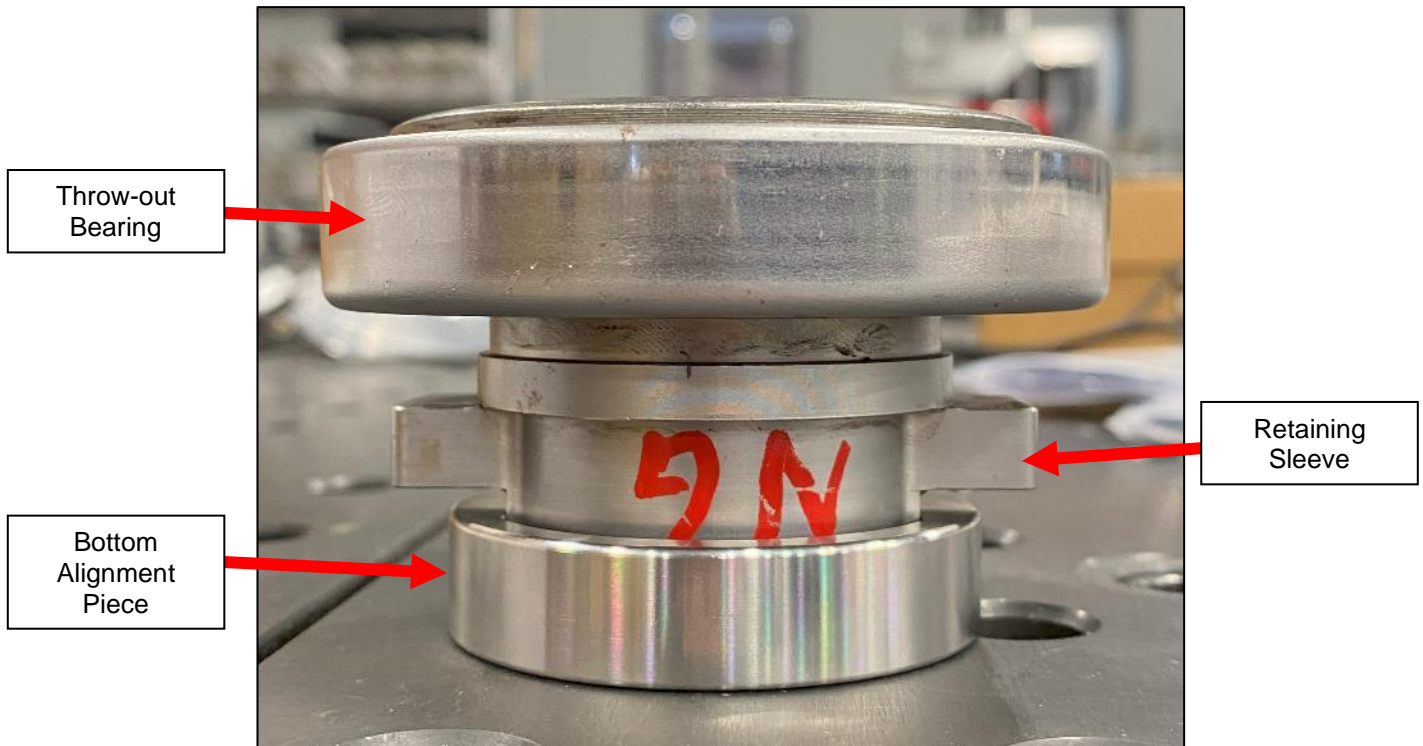


Figure 1

2. Locate the Top Alignment piece and the M12 x 1.25 Hex Head Screw. Some users will have a sleeve included as well, if you have the sleeve insert it into the opening of the Top Alignment piece. This will prevent the bolt from moving and misaligning the Bearing. Depending on what Throw-out Bearing you are using, Koyo or SKF, will determine what orientation the Top Alignment Piece will need to be.

- a. If you are using a Koyo Bearing, orient the Top Alignment Piece as shown. *Figure 2.*



Figure 2

- b. If you are using an SKF bearing, orient the Top Alignment Piece as shown below. *Figure 3.*



Figure 3

3. Install the Top Alignment Piece and M12 Bolt into the Throw-out Bearing, Retaining Sleeve and the Bottom Alignment Piece. Tighten the M12 Bolt into the Bottom Alignment Piece by hand. *Figure 4.*



Figure 4

4. Ensure proper alignment of the assembly and tighten the M12 Bolt with a Ratchet or Impact Gun to install the Throw-out Bearing onto the Retaining Sleeve. *Figure 5.*

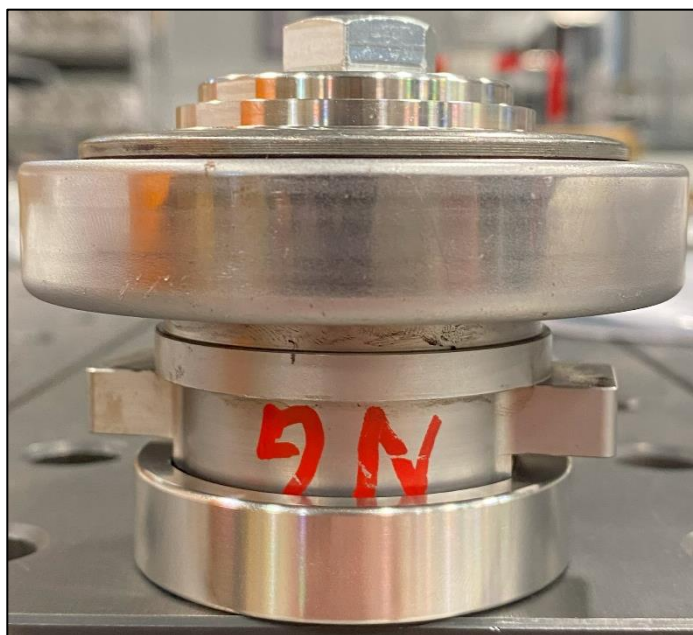


Figure 5

5. Once the Throw-out Bearing is properly seated, remove the M12 Bolt and Alignment Pieces.

END

Additional Technical Support:

Contact Z1 Motorsports at info@z1motorsports.com

Or call 770-838-7777 between 9am and 6pm ET