

Throw-out Bearing Installation Instructions

Part Number: 1250

Application: 2007-2018 Jeep JK Wrangler



Parts List

- A. New hydraulic release bearing
- B. Aluminum bearing adapter
- C. (3) 6mm mounting screws for bearing adapter
- D. (2) 6mm flanged hex screws for release bearing to adapter
- E. -4 AN braided steel line, flange, & grommet kit

Installation Instructions

1. Remove factory clutch fork and bearing. These will not be re-used.
2. Remove the factory slave cylinder, if it has not been removed. This will not be re-used. (Fig #1)



Fig #1



Fig #2

3. Remove 3 bolts holding the factory throw out bearing collar (10 mm socket). This will not be re-used. (Fig #2)

4. Inspect and clean the mounting surface for the new aluminum bearing spacer. (Fig #3)



Fig #3

5. Please take note of the proper orientation/ alignment on these next steps for the adapter and release bearing. (Fig #4, #5, #6)



Fig #4



Fig #5

6. Place the aluminum bearing adapter with notch on the back side (transmission side) towards the bottom (6 o'clock position). Use the three M6 x 1.00 x 30 mm countersunk screws to attach the adapter to the transmission, use a small drop of Loctite and torque the screws to 12 ft/lbs. (Fig #4 & #5)

7. Install new release bearing using the two M6 x 1.00 x 25mm flanged hex screws. Position the -4AN fitting as shown in the instruction. Should be at the 12 o'clock position, use a small drop of Loctite and torque the screws to 12 ft/lbs. (Fig #6)



Fig #6



Fig #7



Fig #8

8. From the outside of the transmission, route the -4AN line and flange kit through the old slave cylinder hole and mounting surface. Attach the -4AN line to the -4AN fitting on the release bearing. Tighten line to 100 in/lbs. (inch pounds). Do not over tighten. (Fig #6; Fig #8)

9. Slide the aluminum flange over the two mounting studs where the old existing slave cylinder attached. Tighten flange plate using the two existing nuts. (Fig #7)

10. Attach the billet aluminum coupler directly to the factory line. (Fig #7)

11. Bleeding procedure: The hydraulic system is completely empty. Priming the system is fairly simple. Pump the clutch pedal 20-50 times to achieve pressure.

12. Double check your hydraulic lines and at the bottom of the bellhousing to ensure you do not have any leaks.

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