



**Jeep Wrangler Hyd. Release Bearing. 2007-11 3.8L & 2012-18 3.6L
Part Number 1250.**

Parts list:

- a) New fully hydraulic booted release bearing.
- b) Aluminum bearing adapter.
- c) (3) 6mm mounting screw for bearing adapter.
- d) (2) 6mm flanged hex screws for release bearing to adapter.
- e) -4 AN braided steel line, flange, and grommet kit.
- f) Black bleeder elbow.

Installation instructions:

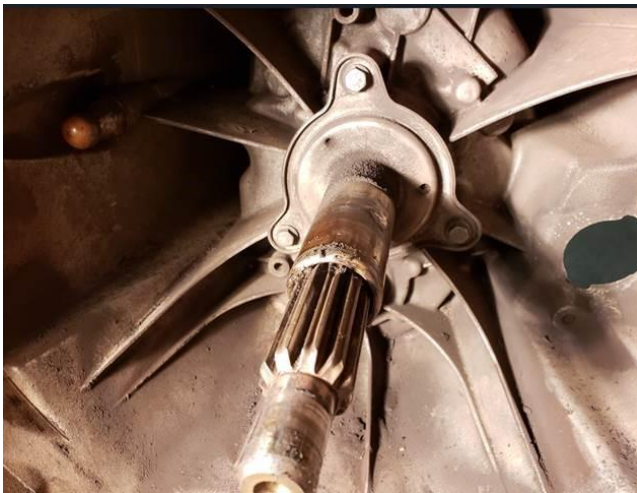
- 1) Remove factory clutch fork and bearing these will not be re-used. (Fig #1)
- 2) Remove the factory slave cylinder if it has not been removed, this will not be re-used. (Fig #1)



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



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



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- 5) **NOTE:** Pay attention to the proper orientation /alignment on these next steps for the adapter and release bearing, see photos (Fig #4, #5, #6) for reference.



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- 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 20mm countersunk screws to attach the adapter to the transmission, use a small drop of Loctite and torque the screws to 15 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 2 o'clock position, use a small drop of Loctite and torque the screws to 15 ft/lbs. (Fig #6)
- 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 #8)



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- 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 black bleeder elbow to the -4AN line on the outside of the transmission leave this loose until the transmission is in place. Tighten the elbow when the factory feed line has been attached.
- 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. With the clutch pedal depressed (pressure on the system) slightly open the bleeder screw to remove and air bubbles. You may have to repeat this process several time to fully rid the air in the hydraulic system. We have found a MityVac works very well removing air in the system as well.
- 12) Double check your hydraulic lines and at the bottom of the bell housing to ensure you do not have any leaks.
- 13) Thank you for your support, let your Adventure begin.

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