#### **Centerforce Clutch Kit Installation Guide**

**Installation Time: 10hrs** 

#### **TOOLS**

- -Floor jack
- -Torx Bit Socket Set
- -Metric Socket Set
- -Deadblow Hammer
- -Brake Cleaner

### 1. Disconnect Battery

## 2. Remove shifter assembly

- a. Remove knobs from both shifters by pulling straight up. (No Tools Required)
- b. Remove Outer Boot From Gear Shift
  - i. Two clips on backside of the boot hold it down.
- c. Remove Shift Stick by removing one T55 bolt.
- d. Lift console out of place. (Just pops right out)
- e. Remove Inner boot by unscrewing silver plate and lifting out.
- f. Shift Transmission into third until after reinstallation.
- g. Remove Foam Insulation ring from around Shifter.
- h. Unbolt shifter by removing 4 T15 bolts and lift straight out.
- 3. Remove Transmission skid plate by removing 4- 18MM Hex Bolts.

# 4. Remove Drive Shafts

\*Before removal mark shafts so you know how to align when reinstalling. Label ends of shafts.

- a. On Rear drive shaft remove 8-8MM bolts on each end of drive shaft.
- b. Drive shaft ends pull straight out. A couple taps with a dead blow hammer should help loosen shafts.

c. On Front Drive Shaft Remove 8-8MM from rear end of shaft and 4-15MM bolts of front end of drive shaf



- **5. Remove External Slave Cylinder** by removing 2- 13MM nuts. (Threaded insert may back out with it. No big deal just screw it back in during reassembly.) Slave Cylinder will pull straight out.
- 6. Remove Transfer Case Linkage
  - a. Remove 1- 10MM bolt. Be sure to note orientation of linkage for reassembly.
  - b. Undo blue clip suspending Transfer Case Shift Cable
- 7. Disconnect any cables or tube from top of Transmission and transfer case.
  - a. There are two electrical plugs, one Breather Tube, and one fuel line attached.
- **8. Remove Starter** by removing 2- 15MM bolts and sliding starter out.
- 9. Remove Exhaust Y-Section
  - a. Remove 2- 15MM bolts on each header couple.
  - b. Loosen clamp just rear of the "Y" using 15MM socket.
  - c. Remove exhaust section.



- 10. Support Transmission
- 11. Remove Crossmember Support
  - a. Remove 2- 18MM Bolts attaching Fuel Tank skid Plate to Crossmember.
  - b. Remove 3- 16MM nuts in center of crossmember attaching transmission to isolator. (The nuts are located inside the crossmember support.)
  - c. Remove 2- 18MM bolts from each end of crossmember.
  - d. Remove Crossmember.
- **12. Slowly Lower Transmission a couple inches** to allow access to top two bellhousing bolts and remove 2- 15MM bolts. Note which bolts go where when removing.
- **13. Continue to lower transmission** until you have proper clearance to slide transmission out easily. Be mindful of your engine mounts and the wiring harness running along the top of the firewall inside engine compartment.
- **14. Brace engine** by placing bottle jack under front end of engine. DO NOT allow engine to drop back to level when removing engine. You risk damage and it will make reinstallation more difficult.
- 15. Remove remaining 15MM bolts around bellhousing.

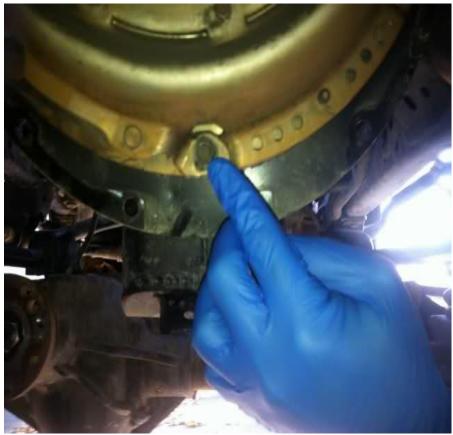
16. Slide transmission out and down.



- 17. Thoroughly clean inside of Transmission bellhousing.
- 18. Remove Clutch Fork and Throwout Bearing Assembly by popping of ball joint.



- 19. Remove pins attaching Throwout bearing to clutch fork and replace with new Throwout bearing.
- 20. Grease Stem inside bellhousing and reinstall Clutch fork/Throwout Bearing Assembly.
- 21. Apply grease to outside of throw out bearing.
- 22. Remove Pressure plate by removing 6- 10MM bolts. No need to keep new pressure plate has new bolts. Clutch Disc is not mounted with bolts so be careful when removing Pressure Plate.



- 23. Remove 8-17MM Bolts holding Flywheel. Flywheel is heavy. Use Caution when removing.
- 24. Install New Centerforce Flywheel by tightening 8- 17MM bolts to 65 ft-lbs. Clean with brake cleaner after installation.
- 25. Insert Clutch Alignment Tool into pilot bearing.

26. Slide new Centerforce Clutch onto alignment tool.



27. Install New Centerforce Pressure Plate by tightening 6 bolts included in kit to the specified torque setting stated in the kit. NOT OEM TORQUE LEVEL.



28. Reinstall transmission be reverse steps 1-16.