

GM TH400, 4L80-E

Case Saver Retainer

Part No.

34762-10

NOTE: Fits all TH400 and '98-earlier 4L80-E.

Also Available

Heavy Duty Intermediate Backing Plate

34144HD-01

NOTE: Fits TH400 and '98-earlier 4L80-E.

Case Saver Retainer

34762-20

NOTE: Fits '99-later 4L80-E and 4L85-E.



NOTE: Case saver retainer **34762-20** can be used with heavy duty intermediate backing plate **34144HD-01**

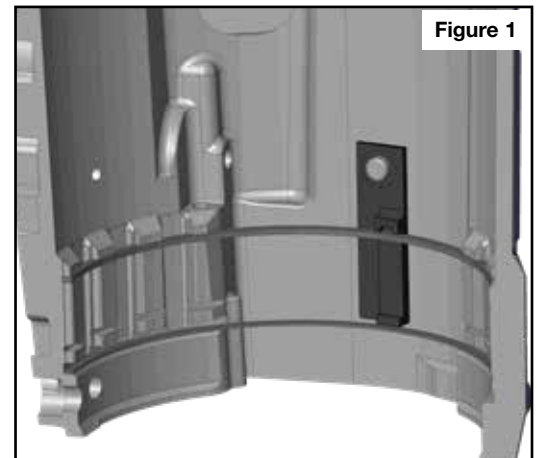
with full compliment of lugs that requires no modification, or follow instruction **Step 2**. To modify OE backing plate with additional notch.



1. Verify Year & Case Version

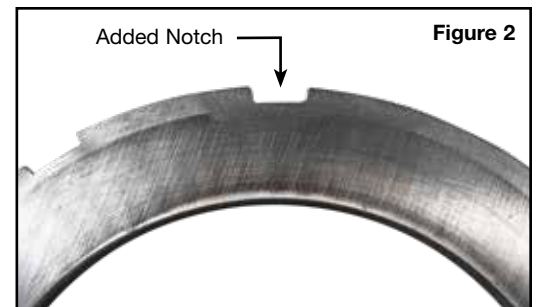
The distance between the front band anchor pin inside the case and the intermediate clutch backing plate retainer ring varies depending on year of the case (**Figure 1**). All TH400 and 4L80-E '98-earlier are the same and '99-later 4L80-E is different. Other changes in 1999 are, wider (1.250") front band, .041" shim under rear sun gear bearing and 'flat' .275" thick intermediate backing plate.

- TH400 & 4L80-E '98-earlier uses Sonnax **34762-10** (Black)
- 4L80-E '99-later & 4L85-E uses Sonnax **34762-20** (Zinc)



2. Modify Backing Plate with Additional Notch (Figure 2)

- a. Apply machinist layout fluid, a black marking pen or other marking material to both sides of intermediate backing plate in area shown (**Figure 3**).



2. Modify Backing Plate with Additional Notch (continued)

- b. Lay an intermediate steel plate over the friction face of the backing plate and align the lugs as accurately as possible.
- c. Scribe the new lug notch in the area shown (Figure 3).
- d. Repeat on other side of backing plate.
- e. With a fine tooth hack saw, cut up to the scribed lines on the pressure plate with a series of cuts (Figure 4).
- f. Break out the sections between cuts.
- g. Use a file to clean up the notch. Recheck with steel plate, filing as necessary (Figure 2).

3. Case Saver Installation (Figure 5)

- a. Before installing the beveled center support retaining ring, place the Sonnax case saver over front band anchor pin and between exposed center support lugs.
- b. Install the beveled center support retaining ring with the opening at the 9:00 position and so one end of the retaining ring holds the case saver against the inside of the case.
- c. Install intermediate clutches and modified backing plate.
- d. Install the backing plate retaining ring with open end at 12:00 position.

4. Check Front Band-to-Drum Clearance

- a. Install front band
- b. Install direct drum.
- c. Partially apply and release band by inserting screwdriver through band servo pin hole in case.
- d. Check band anchor end to ensure there is some clearance between band friction lining and drum. Ensure band is not dragging on direct drum (Figure 6).
- e. If additional band-to-drum clearance is needed, a small amount of material can be removed from back of band anchor lug (Figure 7).

