

# 1976 - 1990 Corvette: Service Bulletin: New On-Vehicle Service Procedure to Remove Rear Case or Extension Bushing

**Subject:** NEW ON-VEHICLE SERV. PROCEDURE REMOVE REAR CASE OR EXT. BUSH

**Model and Year:** 1976-90 B, F, G, Y CARS & 1976-90 C, G, K, L, M, R, S, T, V TRUCKS WITH THM 200-4R, THM 200-C, THM 200 & 4L60/THM 700R4 AUTOMATIC TRANSMISSION

**Source:** Chevrolet Service Bulletin

**Bulletin Number:** 90-162-7A - (01/30/1990)

This bulletin covers a new rear bushing (or rear extension bushing) removal/installation procedure that can be performed while the transmission is in the vehicle. This procedure saves labor time on each of the following transmission models:

THM 200-4R THM 200-C THM 200 HYDRA-MATIC 4L60/THM 700-R4

Labor savings are different on each model but can be significant.

This tool is currently available from Kent-Moore:

J 38119 - Rear Case Extension Bushing Remover and Installer

**IMPORTANT: J 38119 includes two expansion tubes - one silver and one black. Use the BLACK tube for GM transmissions.**

Begin each procedure by raising vehicle on a hoist.

Bushing Removal Procedure: (Figure 2)

1. Disconnect propshaft from rear of transmission.
2. Remove rear case seal.
3. Assemble tool as shown in Figure 2.
4. Insert collet into rear opening of transmission case.
5. Slide expansion tube into segmented collet.
6. Turn cap to lock collet into position.
7. Use a 15/16" end wrench and turn bolt clockwise to remove bushing.
8. Remove J 38119 with collet attached.

#### Bushing Installation Procedure: (Figure 3)

1. Remove long bolt from cap of J 38119.
2. Place new bushing over segmented collet.
3. Slide black expansion tube into segments.
4. Turn cap to lock collet into place.
5. Install new bushing into transmission by driving J 38119 in firmly with a plastic hammer.
6. Turn cap to unlock collet.
7. Remove J 38119.
8. Remove collet.
9. Install rear case seal.
10. Connect propshaft to rear of transmission.

#### SERVICE MANUAL REFERENCE:

This procedure is not currently included in any Service Manual.

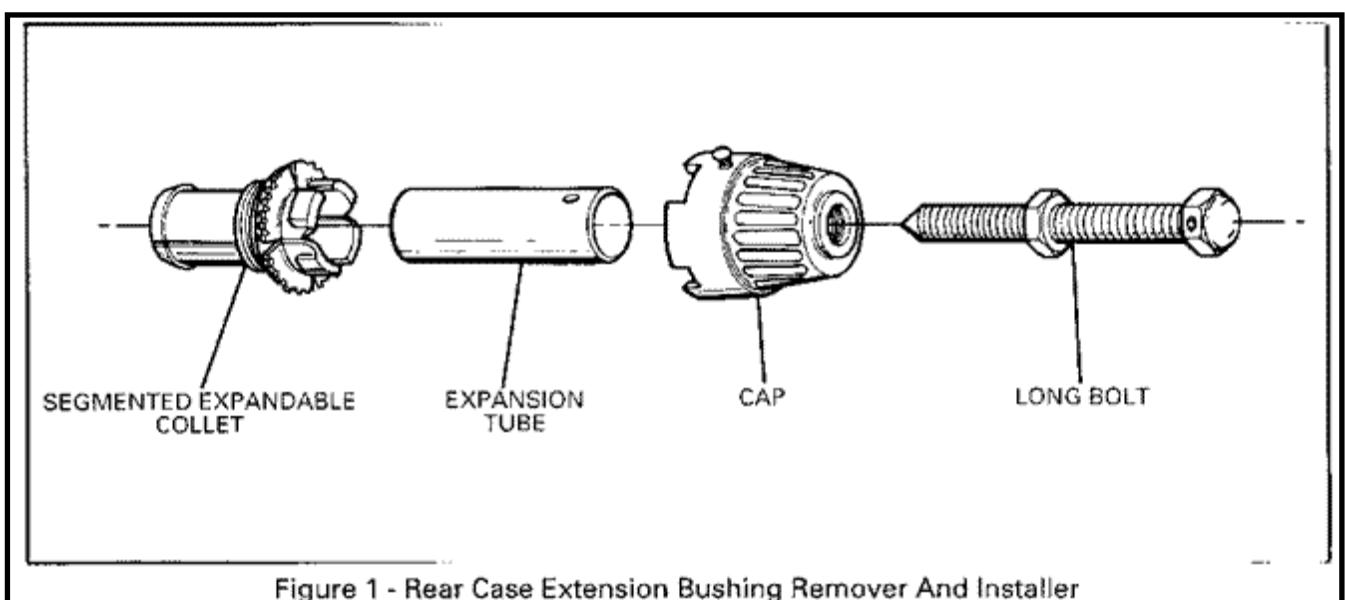
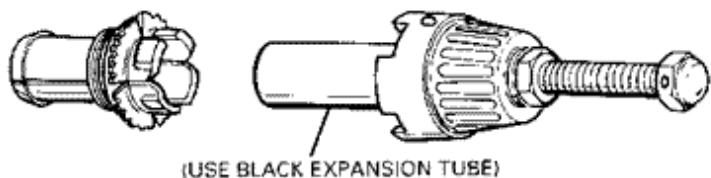


Figure 1 - Rear Case Extension Bushing Remover And Installer

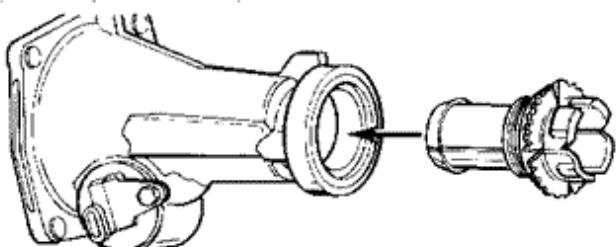
1. DISCONNECT PROPSHAFT FROM REAR OF TRANSMISSION  
2. PRY OUT REAR CASE SEAL

3. ASSEMBLE TOOL

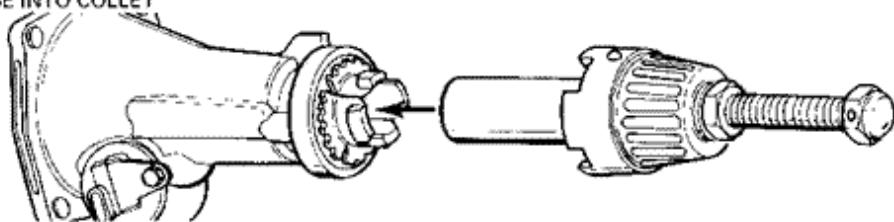


(USE BLACK EXPANSION TUBE)

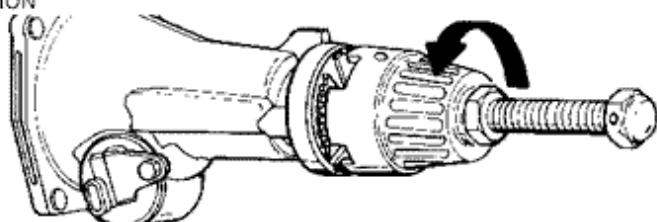
4. INSERT COLLET INTO TRANSMISSION



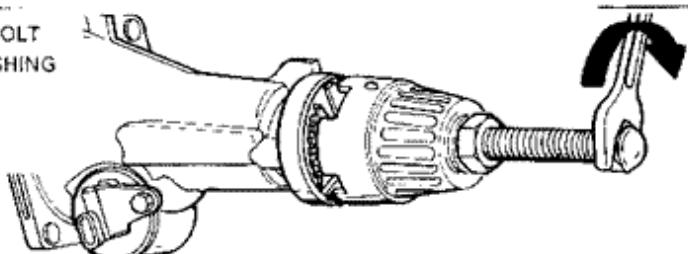
5. SLIDE EXPANSION TUBE INTO COLLET



6. TURN CAP TO LOCK INTO POSITION



7. USE 15/16" WRENCH TO TURN BOLT  
CLOCKWISE AND REMOVE BUSHING



8. PULL OUT J 38119 WITH COLLET ATTACHED

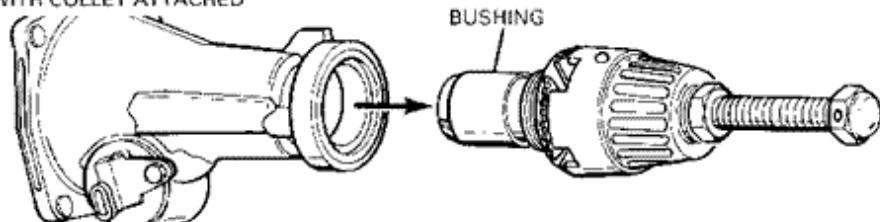
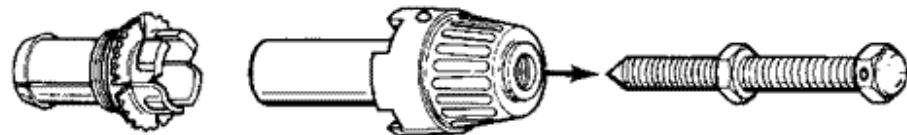


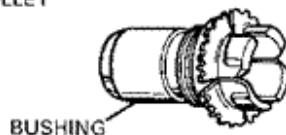
Figure 2 - Bushing Removal Procedure



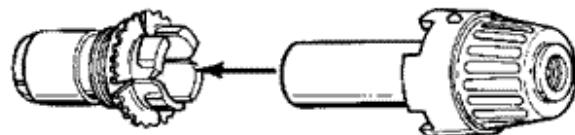
1. REMOVE LONG BOLT FROM CAP



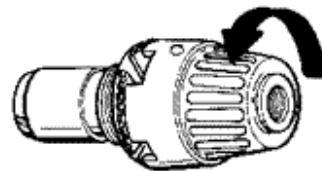
2. PLACE NEW BUSHING OVER SEGMENTED COLLET



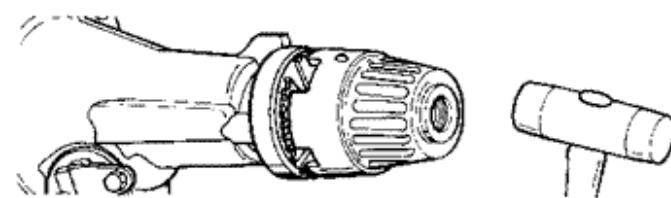
3. SLIDE BLACK EXPANSION TUBE INTO COLLET



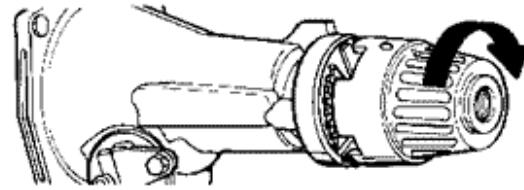
4. TURN CAP TO LOCK COLLET INTO PLACE



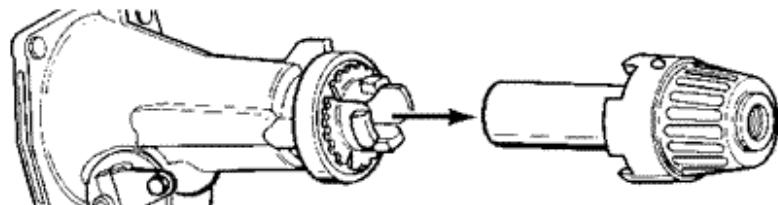
5. INSTALL J 38119 INTO TRANSMISSION  
WITH A PLASTIC HAMMER



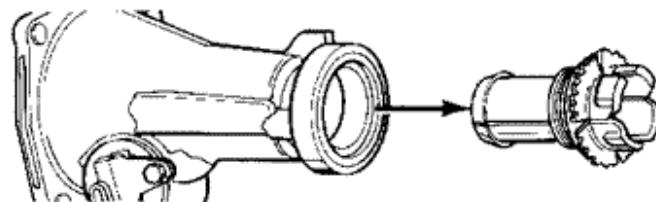
6. TURN CAP TO UNLOCK COLLET



7. PULL OUT J 38119



8. REMOVE COLLET



9. INSTALL REAR CASE SEAL  
10. CONNECT PROPSHAFT TO REAR OF TRANSMISSION

Figure 3 - Bushing Installation Procedure

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