

SERVICE REPAIR

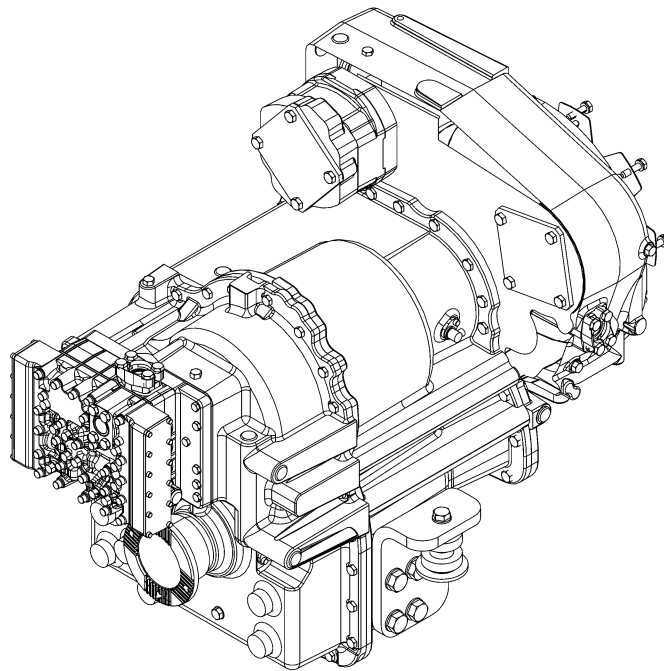
MANUAL

**Hyster F008 (H550HDHDS, H620HD, H650HDHDS,
H700HDHDS) Internal Combustion Engine Trucks
Service Repair Manual**

HYSTER

TE-17 TRANSMISSION REPAIR

**H25-32XM-12, H28XM-16CH,
H32XM-16CH, H25-32XMS-9
(H550-700HD, H550-700HDS) [F008];
H25-32XM-12, H25-30XMS-9
(H550-700HD, H550-700HDS) [G008]**



HYSTER

SAFETY PRECAUTIONS

MAINTENANCE AND REPAIR

- The Service Manuals are updated on a regular basis, but may not reflect recent design changes to the product. Updated technical service information may be available from your local authorized Hyster® dealer. Service Manuals provide general guidelines for maintenance and service and are intended for use by trained and experienced technicians. Failure to properly maintain equipment or to follow instructions contained in the Service Manual could result in damage to the products, personal injury, property damage or death.
- When lifting parts or assemblies, make sure all slings, chains, or cables are correctly fastened, and that the load being lifted is balanced. Make sure the crane, cables, and chains have the capacity to support the weight of the load.
- Do not lift heavy parts by hand, use a lifting mechanism.
- Wear safety glasses.
- DISCONNECT THE BATTERY CONNECTOR before doing any maintenance or repair on electric lift trucks. Disconnect the battery ground cable on internal combustion lift trucks.
- Always use correct blocks to prevent the unit from rolling or falling. See HOW TO PUT THE LIFT TRUCK ON BLOCKS in the **Operating Manual** or the **Periodic Maintenance** section.
- Keep the unit clean and the working area clean and orderly.
- Use the correct tools for the job.
- Keep the tools clean and in good condition.
- Always use **HYSTER APPROVED** parts when making repairs. Replacement parts must meet or exceed the specifications of the original equipment manufacturer.
- Make sure all nuts, bolts, snap rings, and other fastening devices are removed before using force to remove parts.
- Always fasten a DO NOT OPERATE tag to the controls of the unit when making repairs, or if the unit needs repairs.
- Be sure to follow the **WARNING** and **CAUTION** notes in the instructions.
- Gasoline, Liquid Petroleum Gas (LPG), Compressed Natural Gas (CNG), and Diesel fuel are flammable. Be sure to follow the necessary safety precautions when handling these fuels and when working on these fuel systems.
- Batteries generate flammable gas when they are being charged. Keep fire and sparks away from the area. Make sure the area is well ventilated.

NOTE: The following symbols and words indicate safety information in this manual:



WARNING

Indicates a hazardous situation which, if not avoided, could result in death or serious injury.



CAUTION

Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury and property damage.

On the lift truck, the **WARNING** symbol and word are on orange background. The **CAUTION** symbol and word are on yellow background.

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This section is for the following models:

H25-32XM-12, H28XM-16CH, H32XM-16CH, H25-32XMS-9 (H550-700HD,
H550-700HDS) [F008];
H25-32XM-12, H25-30XMS-9 (H550-700HD, H550-700HDS) [G008]

**Thanks very much for your reading,
Want to get more information,
Please click here, Then get the complete
manual**

JustClickHere 

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please download the PDF document first, and then
click on it.**

**Have any questions please write to me:
admin@servicemanualperfect.com**

General

This manual provides information on repair of the TE17 transmission as equipped on the F008 and G008 series lift trucks.

Procedures for tests and adjustments are in **TE-17 Transmission** 1300SRM1392.

Transmission Repair

DISASSEMBLE

Figure 1 shows the front view of the TE17 transmission.

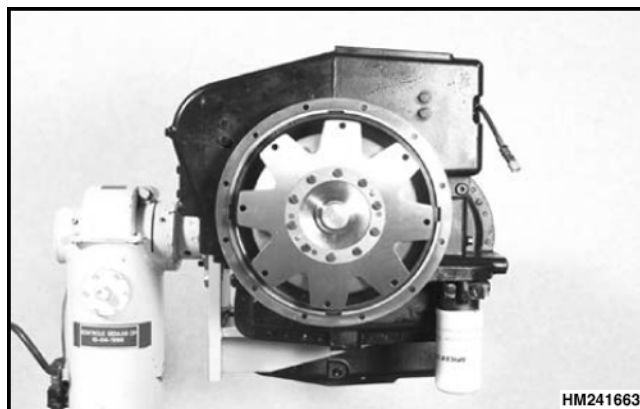
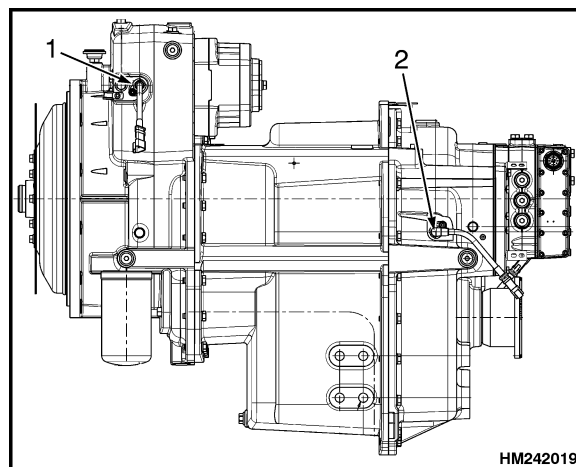


Figure 1. TE17 Transmission

Transmission Case

STEP 1.

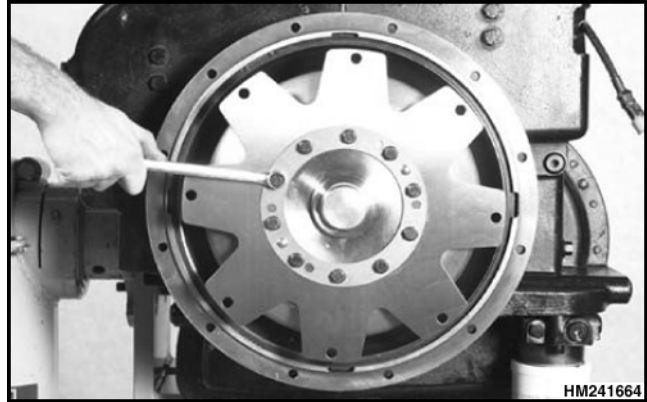
Remove the engine speed and temperature sensor and the drum speed sensor from the transmission case.



1. ENGINE SPEED AND TEMPERATURE SENSOR
2. DRUM SPEED SENSOR

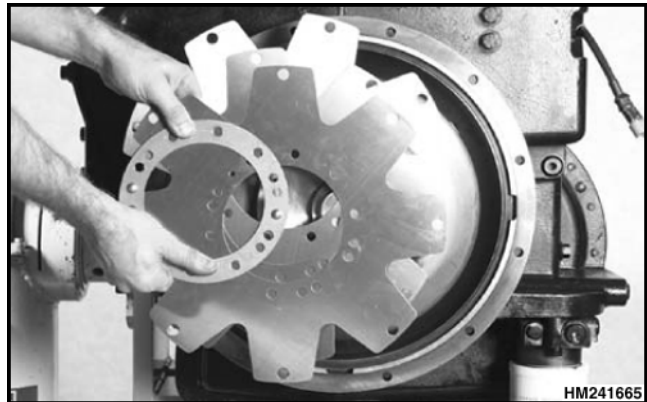
STEP 2.

Remove the drive plate mounting bolts and washers.



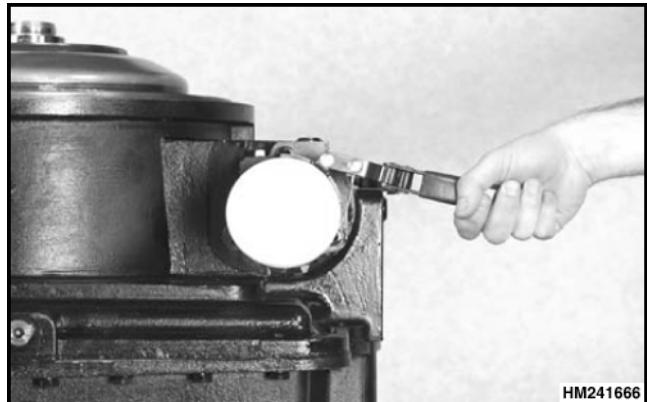
STEP 3.

Remove the drive plates and backing ring.



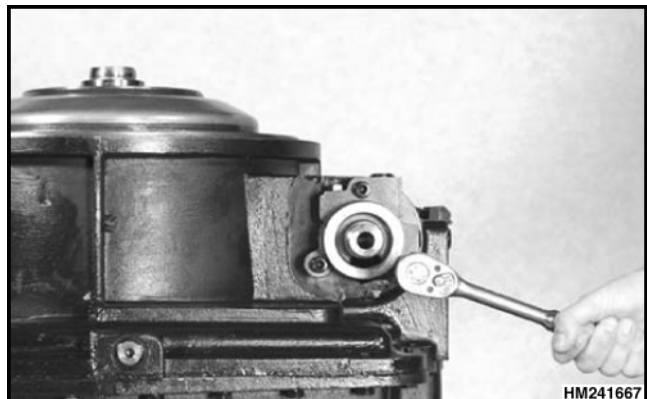
STEP 4.

Remove the filter element.



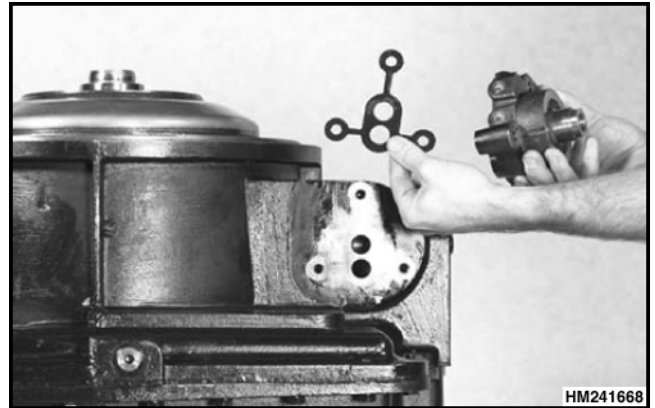
STEP 5.

Remove the filter adapter bolts and lockwashers.

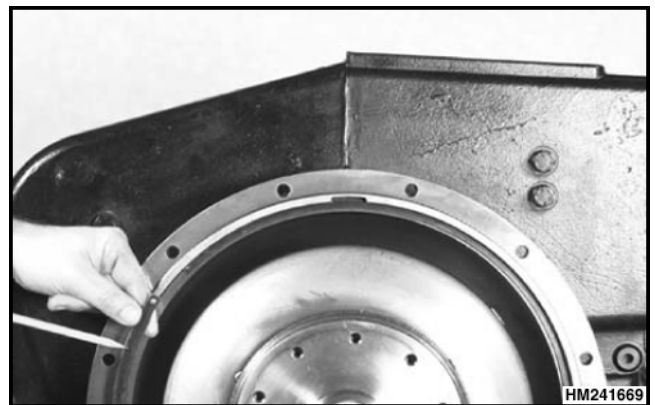


STEP 6.

Remove the filter adapter and gasket.

**STEP 7.**

Remove the oil baffle retaining ring.

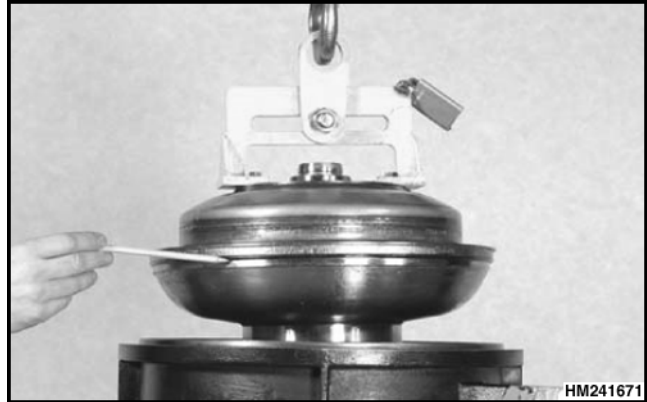
**STEP 8.**

Attach a special tool or two lifting eyes to the mounting surface of the drive plates to lift the converter and oil baffle from the converter housing as an assembly.



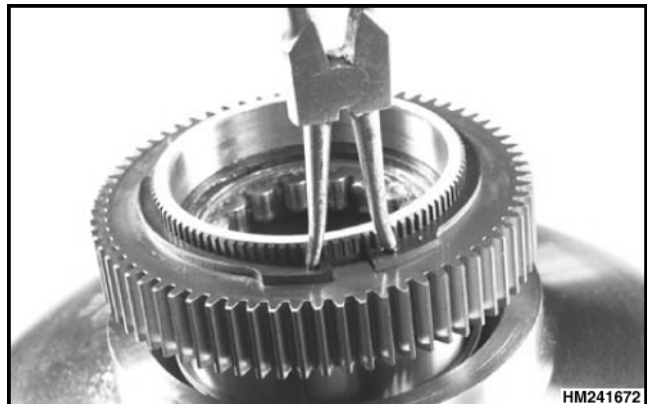
STEP 9.

Remove the converter housing, oil baffle, and sealing ring.



STEP 10.

Remove the torque converter gear snap ring.



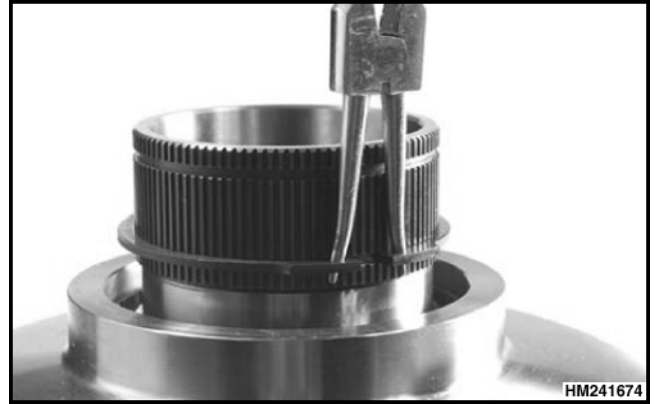
STEP 11.

Remove the torque converter gear.

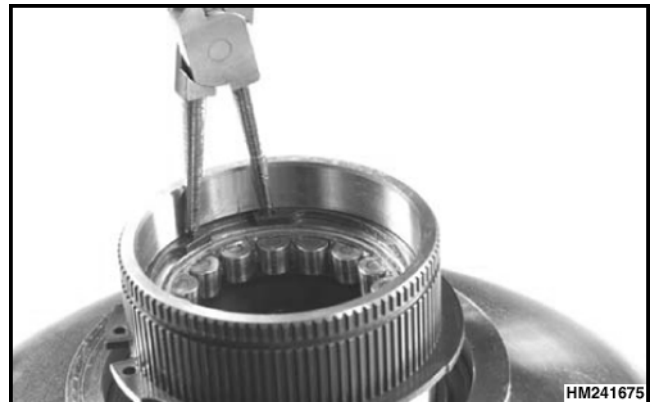


STEP 12.

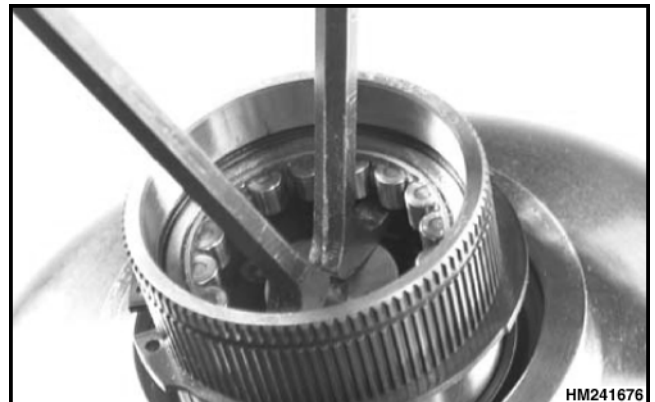
Remove the torque converter gear lower snap ring.

**STEP 13.**

Remove the stator support bearing retaining snap ring.

**STEP 14.**

Pry the stator support bearing from the converter assembly as shown.

**STEP 15.**

Remove the stator support bearing.



STEP 16.

Remove the stator support capscrews and lockwashers.



STEP 17.

Remove the torque converter sleeve and gasket.



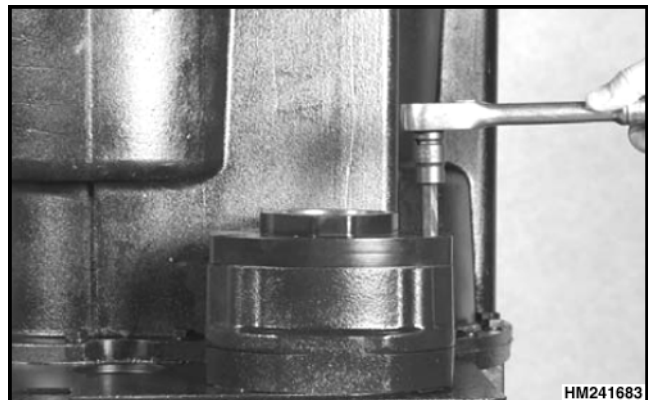
STEP 18.

Remove the oil baffle and sealing ring.



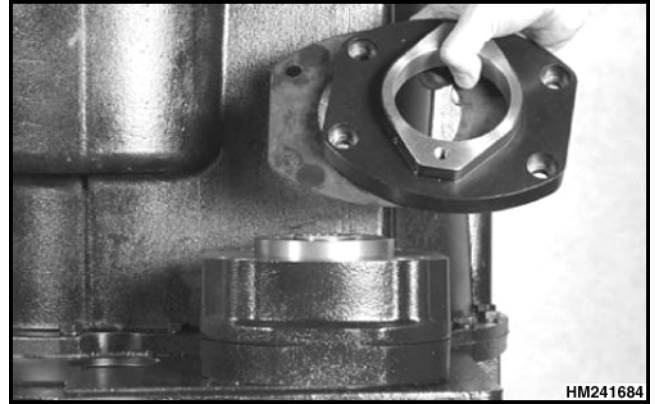
STEP 19.

Remove the charging pump adapter plate capscrews and lockwashers.

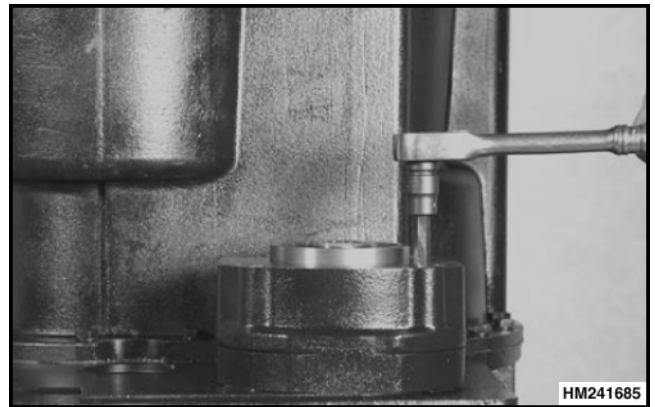


STEP 20.

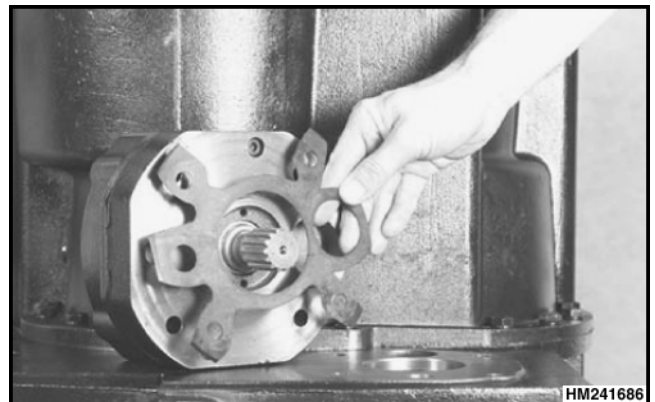
Remove the charging pump adapter plate and gasket.

**STEP 21.**

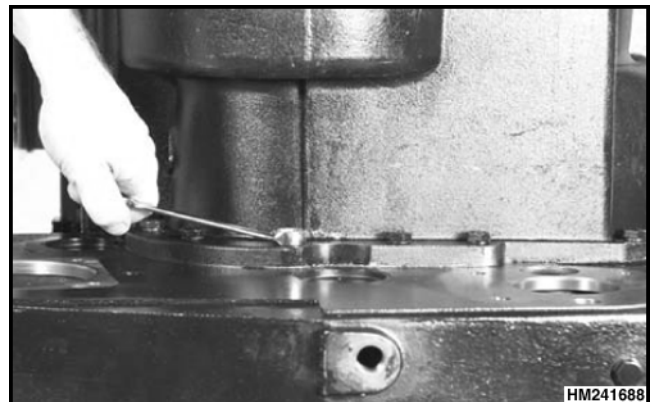
Remove the charging pump capscrews and lockwashers.

**STEP 22.**

Remove the charging pump assembly and gasket.

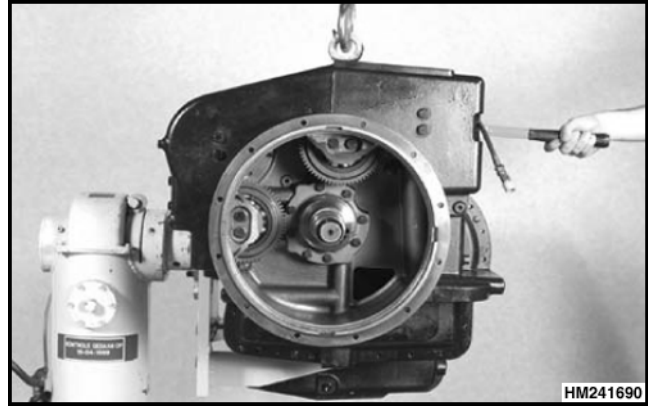
**STEP 23.**

Remove the torque converter housing to transmission case bolts and lockwashers.

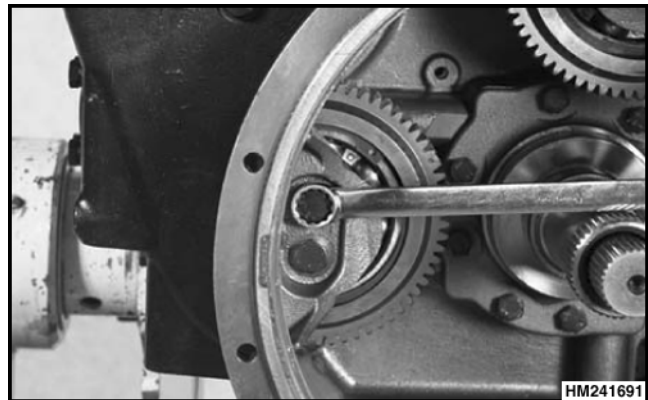


STEP 24.

Support the torque converter housing with a chain hoist and using a soft hammer, tap the torque converter housing away from the transmission case.

**STEP 25.**

Remove the first pump drive idler gear bolts and lockwashers.

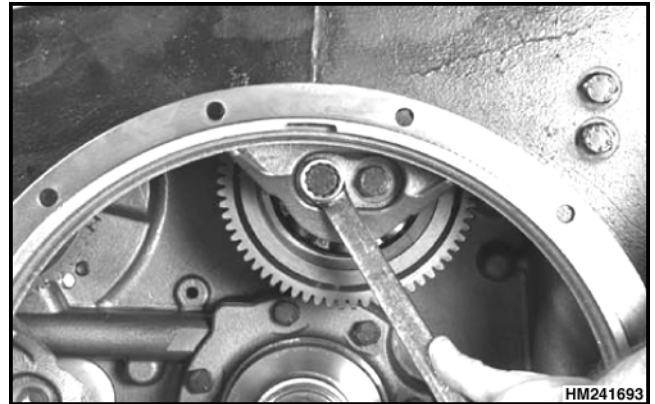
**STEP 26.**

Remove the first pump drive idler gear, washer, and bearing as an assembly.

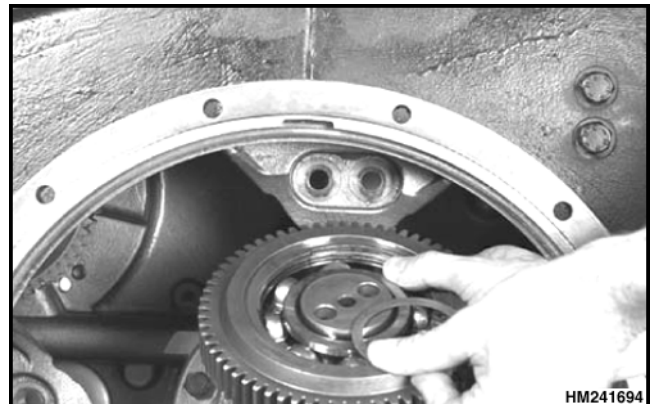


STEP 27.

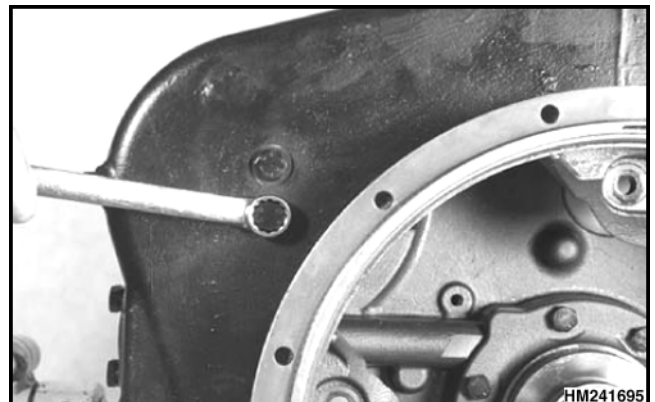
Remove the second pump drive idler gear bolts and lockwashers.

**STEP 28.**

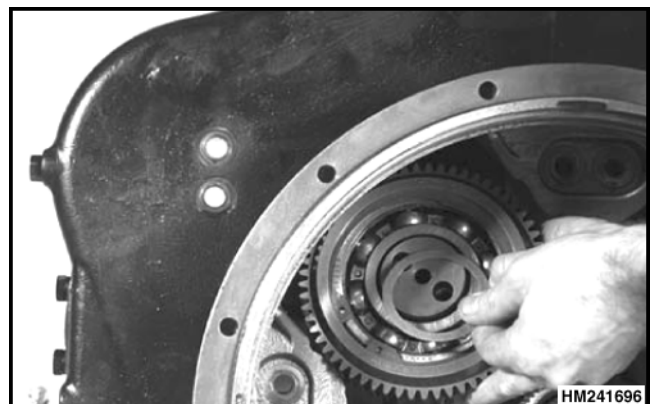
Remove the second pump drive idler gear, washer, and bearing as an assembly.

**STEP 29.**

Remove the first pump drive gear bolts and lockwashers.

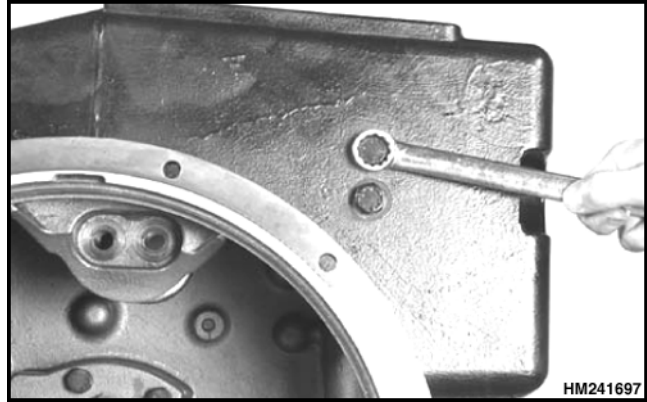
**STEP 30.**

Remove the first pump drive gear, washer, and bearing as an assembly.



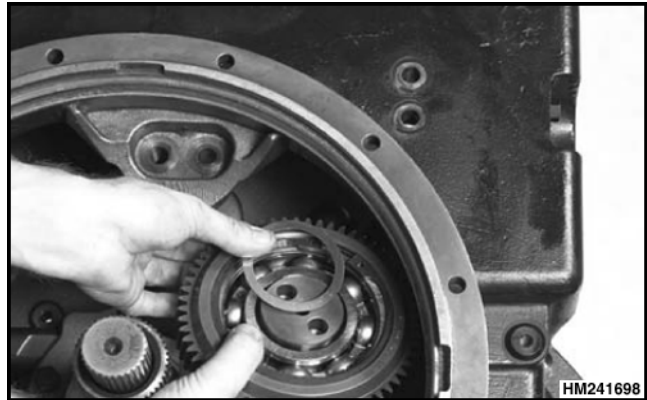
STEP 31.

Remove the second pump drive gear bolts and lockwashers.



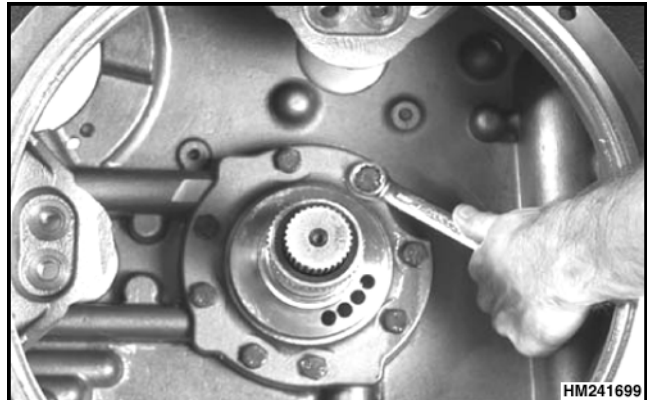
STEP 32.

Remove the second pump drive gear, washer, and bearing as an assembly.



STEP 33.

Remove the stator support bolts and lockwashers.

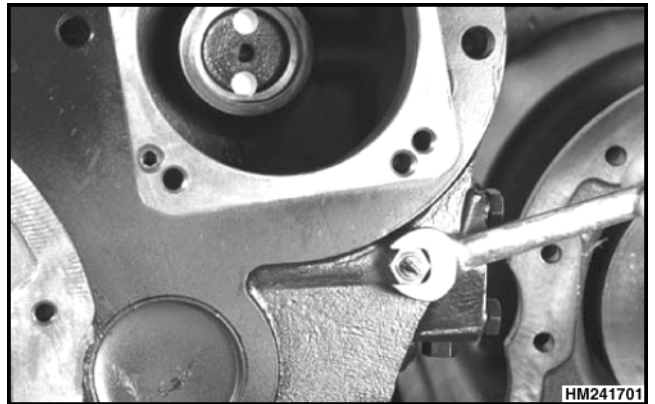


STEP 34.

Remove the stator support and gasket.

**STEP 35.**

Remove the temperature sensor from housing.

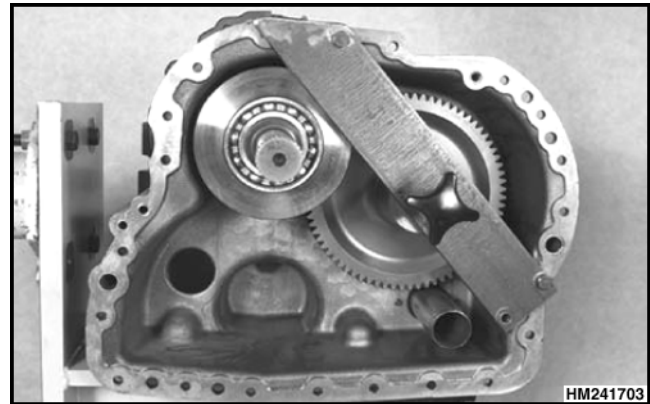
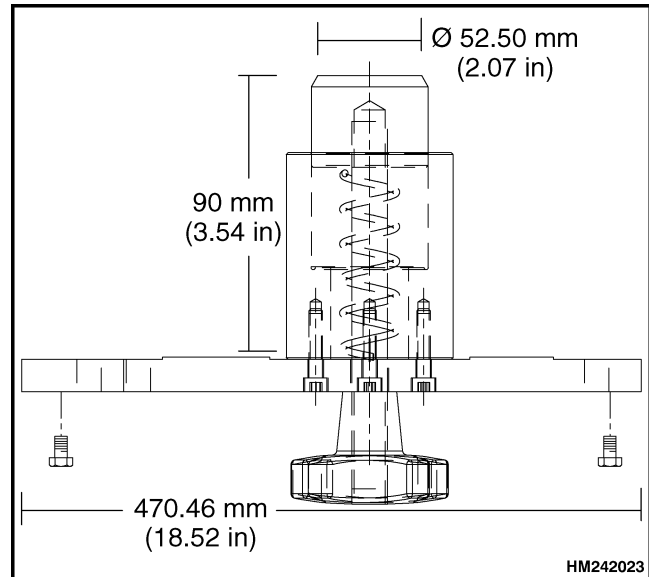
**STEP 36.**

Remove the lock nut from the FWD/3RD shaft assembly.

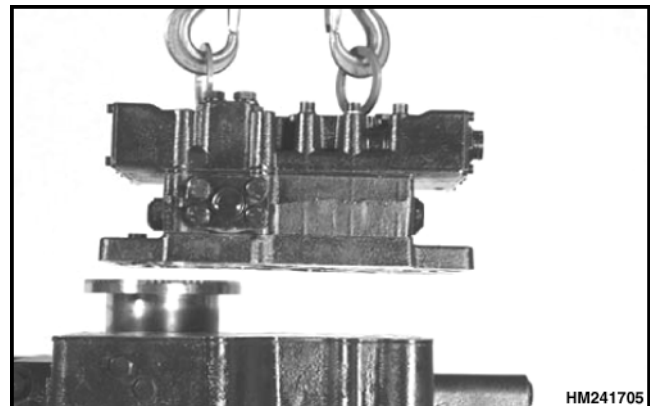


STEP 37.

Install a special tool with the dimensions shown onto the FWD/3rd shaft assembly. Use two bolts to attach the special tool to the transmission housing to prevent the gear from dropping when the transmission is turned. Turn the transmission.

**STEP 38.**

Use a chain hoist to lift the transmission control valve assembly from the transmission.

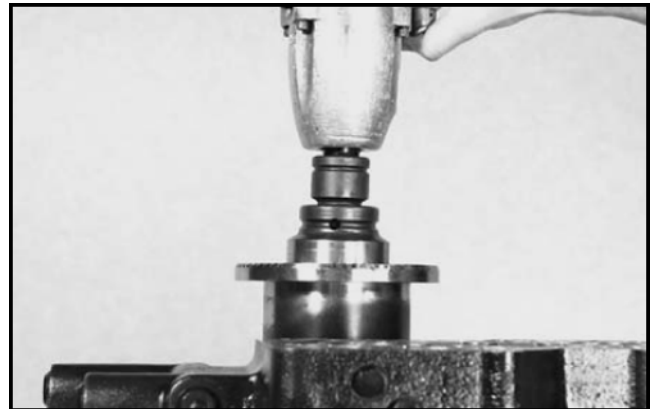


STEP 39.

Remove the adapter plate and upper and lower gaskets.

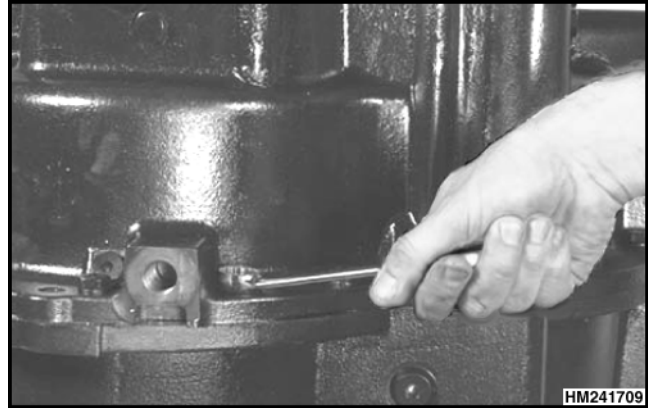
**STEP 40.**

Remove the rear output flange, lock nut, O-ring, and washer.

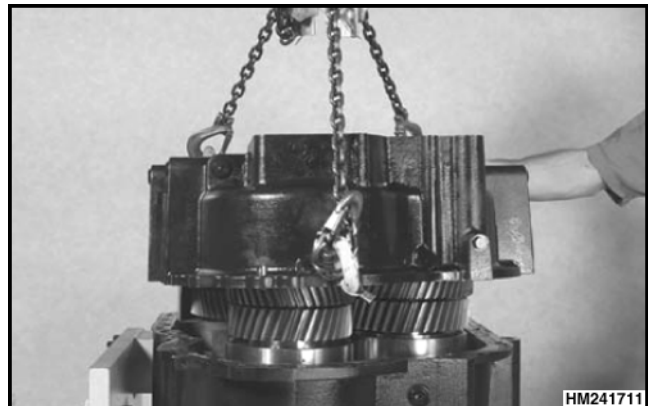
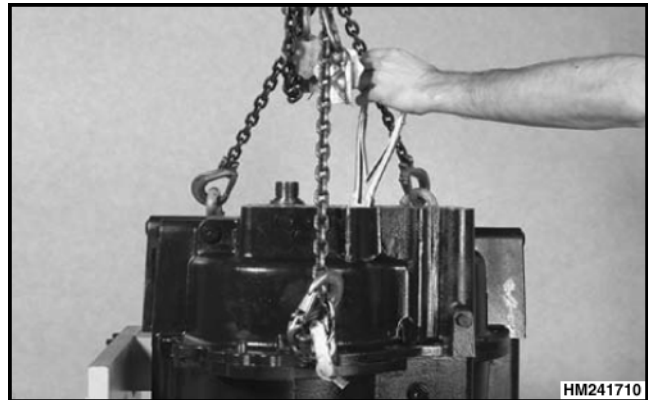


STEP 41.

Remove bolts and lockwashers from the rear cover.

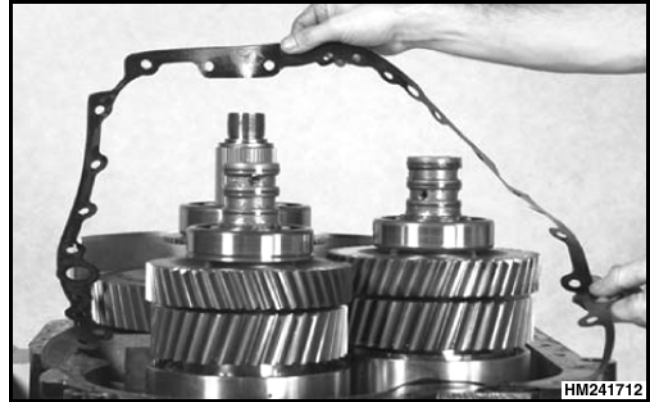
**STEP 42.**

Use external snap ring pliers to open the snap ring on the 2ND/REV shaft and use a hoist to remove the rear cover while holding the snap ring open.



STEP 43.

Remove the rear cover gasket.

**STEP 44.**

Remove the clutch shaft sealing rings from the FWD/3RD shaft.

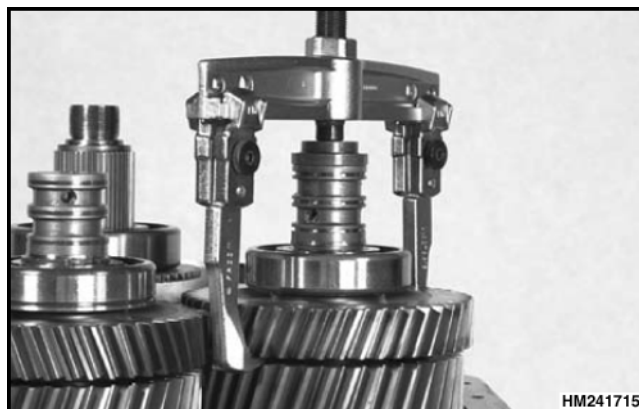
**STEP 45.**

Remove the bearing retaining snap ring.



STEP 46.

Use a bearing puller to remove the bearing, gear, and spacer from the FWD/3RD shaft.

**STEP 47.**

Remove the clutch shaft sealing rings from the 2ND/REV shaft.

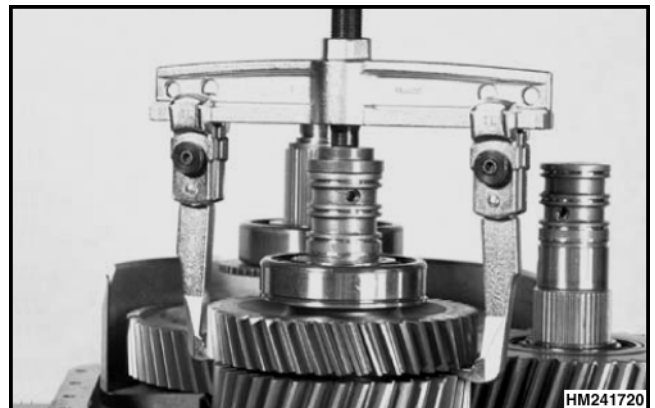


STEP 48.

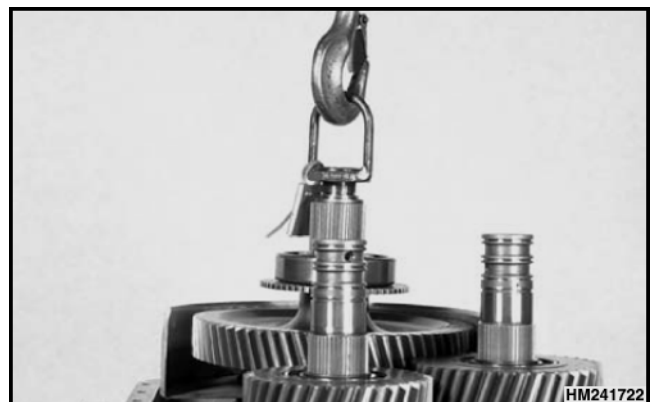
Remove the rear bearing retaining snap ring.

**STEP 49.**

Use a bearing puller to remove the gear, washer, and bearing from the 2ND/REV shaft.

**STEP 50.**

Use a special tool to lift the 1ST clutch drum/turbine shaft assembly from the transmission case.



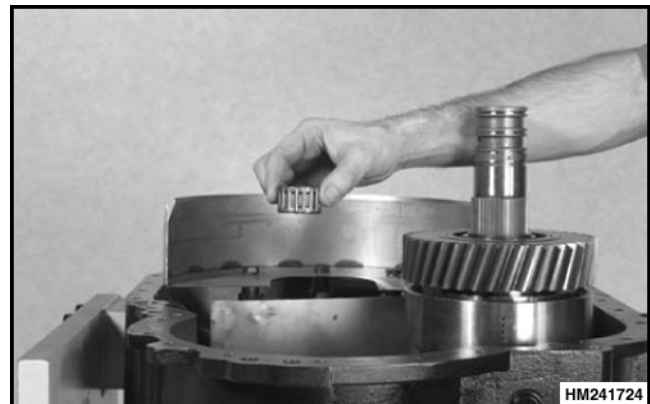
STEP 51.

Attach a special tool to the 2ND/REV shaft. Make sure the special tool is completely seated in the slot of the shaft and is not damaging the sealing rings.

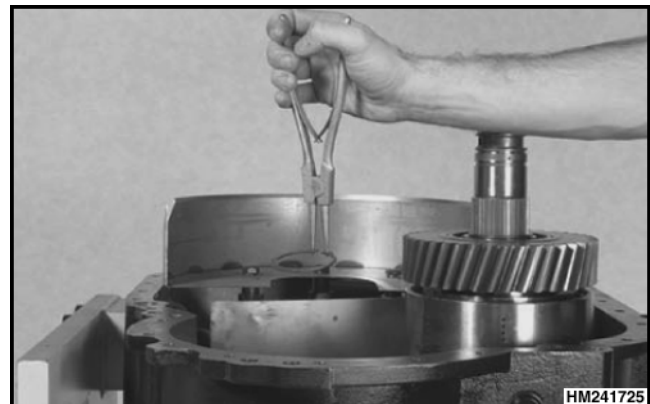
Using the special tool, lift the 2ND/REV shaft assembly from the transmission case.

**STEP 52.**

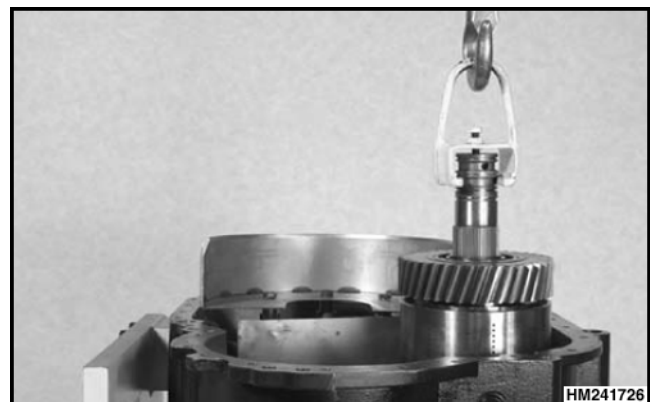
Remove the 2ND clutch pilot shaft bearing.

**STEP 53.**

Remove the 2ND clutch gear retaining ring.

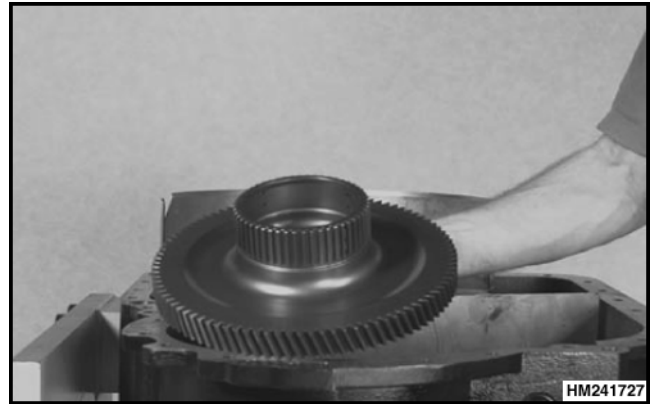
**STEP 54.**

Pull the 2ND gear slightly upward to allow the FWD/3RD clutch drum and shaft assembly to be removed.



STEP 55.

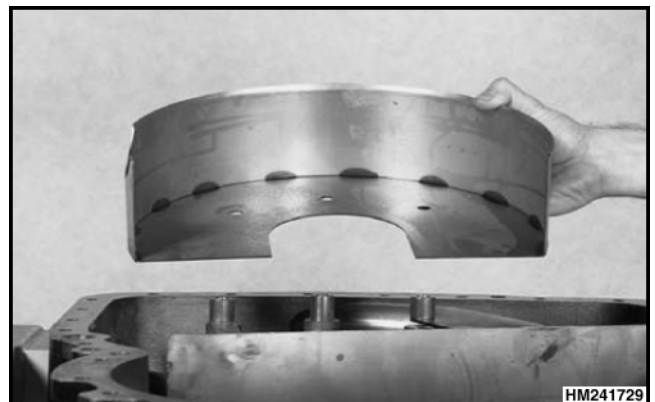
Remove the 2ND clutch gear from the transmission case.

**STEP 56.**

Remove the front oil baffle bolts and lockwashers.

**STEP 57.**

Remove the front oil baffle.



NOTE: Middle spacers are longer.