



Technical Service Information

THM 200C / 200-4R FEED BLEED FORWARD CLUTCH SYSTEM

New design "feed/bleed" system for the forward clutch. This system gives more cushioning during forward clutch apply and can be used on certain past models to reduce a harsh park/neutral to drive engagement feel.
Date of Production Change: (Figures 1 & 2).

April 25, 1986 (Julian Date 115), the following changes were introduced for all THM 200-4R models (excluding 1986 BRF., which is not used by Oldsmobile).

Forward clutch assembly, minus check ball in housing (618)

Forward clutch piston assembly (622)

Additional waved plate (666)

Front internal gear (633)

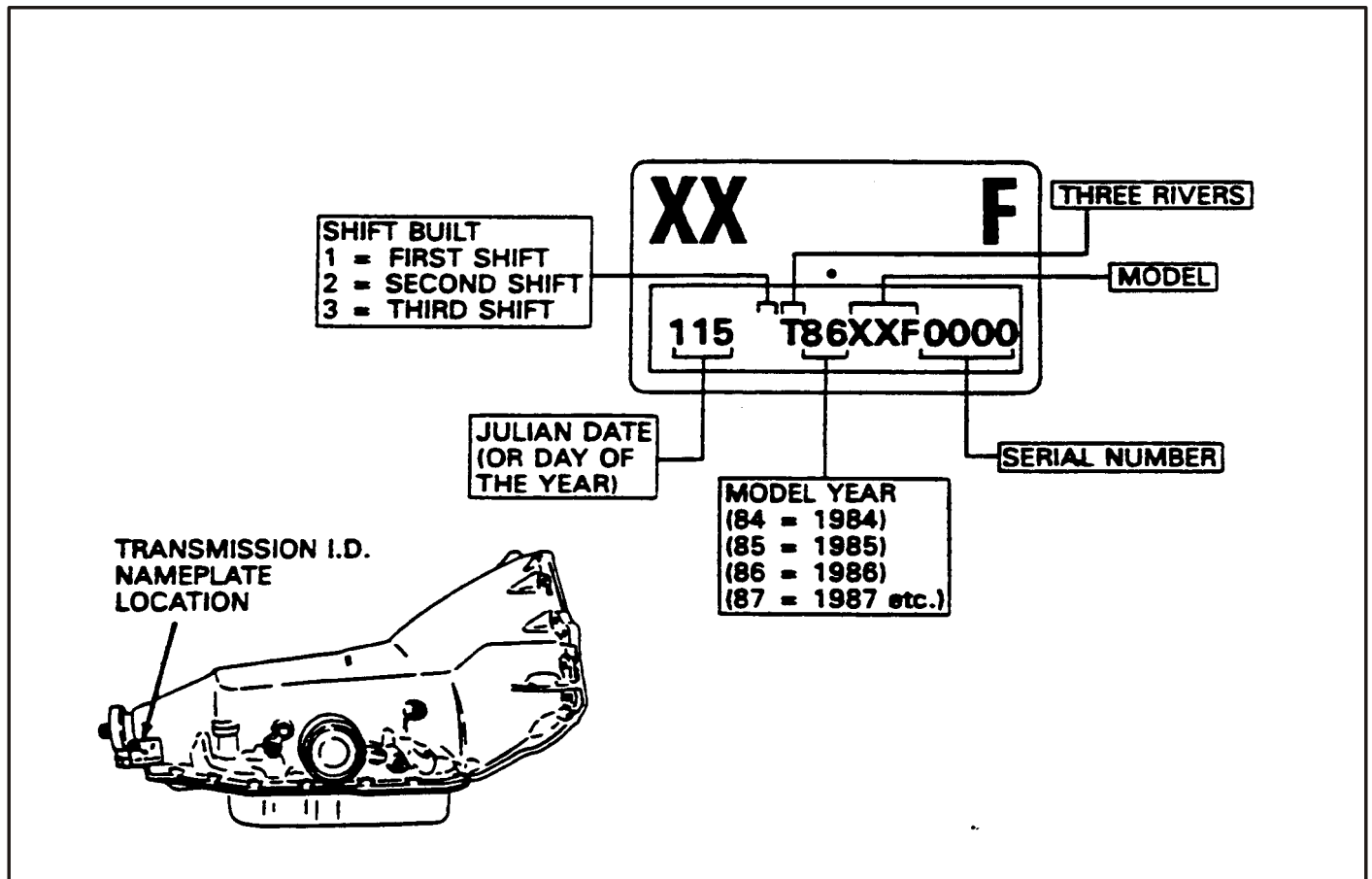


Figure 1

Service Action:

1981-86 models built prior to April 25, 1986 (Julian Date 115):

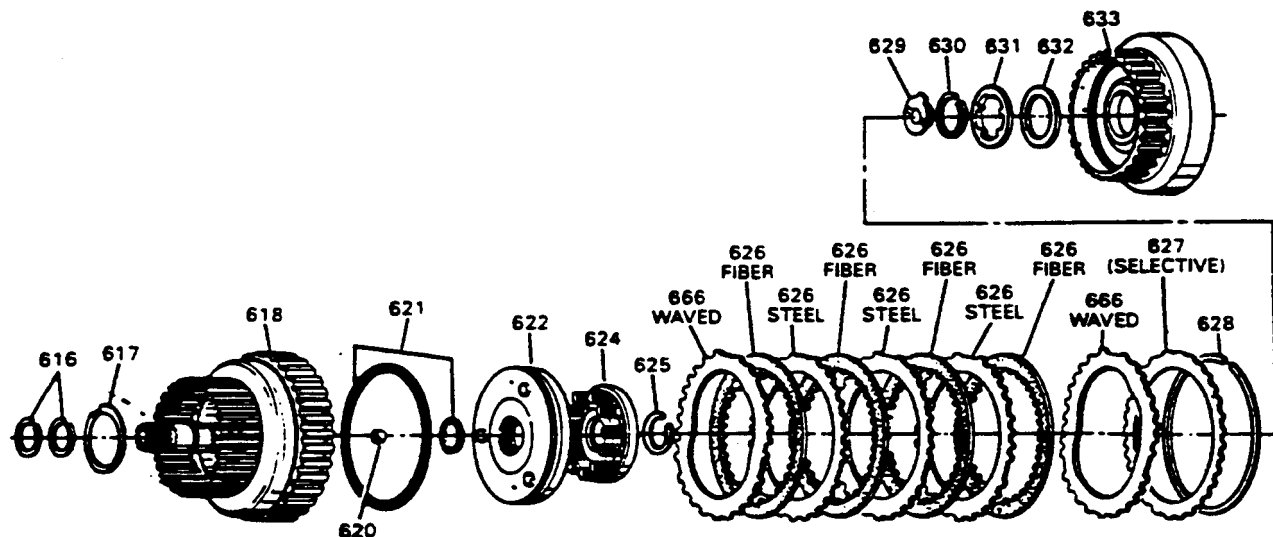
If a vehicle equipped with a THM 200-4R transmission built prior to April 25, 1986 (Julian Date 115) exhibits a harsh park/neutral to drive engagement, install the service package listed in service parts information.

NOTICE: This system cannot be used on 1986-87 BRF, 1984-85 BQ and 1983 BR (which are not used by Oldsmobile).

1986-87 models built on or after April 25, 1986 (Julian Date 115):

Models built after implementation of the feed/bleed system can be serviced with individual parts.

IMPORTANT: When servicing the forward clutch, select the correct backing plate (627). Backing plate selection affects piston travel, shift feel and clutch durability.



ILL.
NO.

DESCRIPTION

616 SEALS, RING (FORWARD CLUTCH SHAFT) TEF
617 WASHER, THRUST (DIRECT/FORWARD CLUTCH)
618 HOUSING ASSEMBLY, FORWARD CLUTCH
620 PLUG, CUP (4.8 DIAMETER)
621 SEALS, FORWARD CLUTCH PISTON (PACKAGE)
622 PISTON ASSEMBLY, FORWARD CLUTCH
624 RETAINER & SPRING ASSEMBLY, FORWARD

625 RING, SNAP (FORWARD SPRING RETAINER)
626 PLATE, FORWARD CLUTCH (FLAT)
627 PLATE, CLUTCH BACKING
628 RING, SNAP (FORWARD CLUTCH HOUSING)
632 WASHER, THRUST (INTERNAL GEAR/REAR SEL.)
633 GEAR, FRONT INTERNAL
666 PLATE, CLUTCH 1.585 (WAVED)

Figure 2

Backing Plate Selection (clutch fully assembled):

Apply an evenly distributed load in the direction indicated in Figure 3 to remove slack from the clutch assembly. Use 9 kg (20 lbs.) of pressure against the backing plate - excessive pressure will cause an inaccurate measurement. With the clutch assembly compressed, use a feeler gage to measure the distance between the backing plate and snap ring. Correct backing plate travel is 0.7 mm - 1.5 mm (0.028" - 0.059"). Refer to, Figure 4 for backing plate identification information.

Service Part Information:

8639943 Neutral drive shift package (contains forward clutch assembly complete, front internal gear and thrust washer).

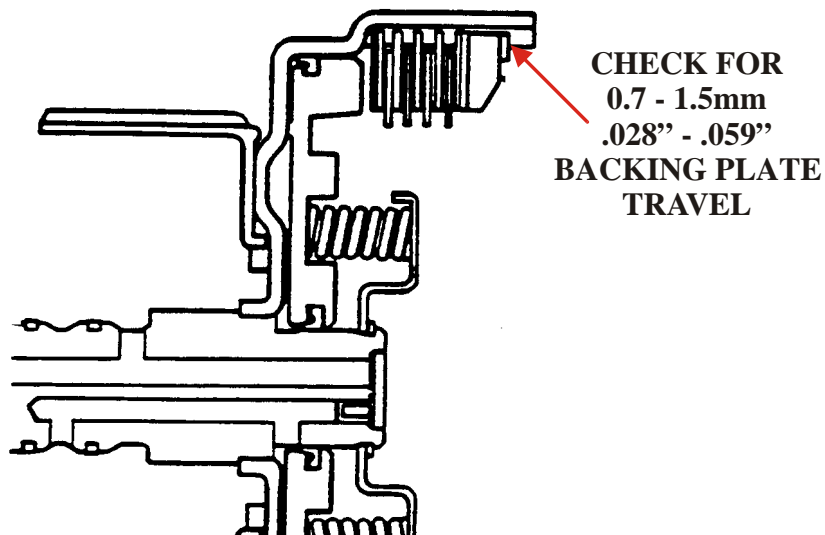


Figure 3



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| FORWARD CLUTCH BACKING PLATE SELECTION | |
|---|-----------------------|
| ALL MODELS | |
| BACKING PLATE TRAVEL = 0.7mm - 1.5mm (0.028" - 0.059") | |
| PLATE THICKNESS | IDENTIFICATION |
| 3.70mm - 4.15mm (.146" - .163") | 7 |
| 4.25mm - 4.70mm (.167" - .185") | 6 |
| 4.80mm - 5.25mm (.189" - .207") | X |
| 5.35mm - 5.80mm (.211" - .228") | 5 |
| 5.90mm - 6.35mm (.232" - .250") | 4 |

Figure 4

Service Notes:

1. Earlier design front internal gears (service package number 8630909) cannot be used with THM 200-4R models built after April 25, 1986 (Julian Date 115).