



Technical Service Information

FORD/MAZDA 4F27E/FNR5-5NR5

1-2 FLARE OR SLIDE BUMP

COMPLAINT: Ford or Mazda vehicles equipped with the 4F27E/FNR5-5NR5 may have a complaint of a 1-2 up-shift flare after overhaul, this may also be accompanied by a soft up-shift into 4th gear.

CAUSE: The cause may be, that there is too much servo travel and the band is not stopping the drum quick enough during the 1-2 up-shift. Figure 1 shows the selective Intermediate/Overdrive Band Anchor Bolt. Selecting a longer band anchor bolt is commonly overlooked as many shops do not have the special tool to check the length of the selective bolt to be used.

CORRECTION: To correct this condition, refer to Figure 1 and follow along the steps to using the correct selective Intermediate/Overdrive Band Anchor Bolt, by using the factory tool, or refer to Figure 2 and acquire a band adjustment stud and locking nut from a Nissan RE4R01A transmission and follow the adjustment procedure, then lock the nut down. This adjustment provides approximately 1/8th inch servo travel.

Special thanks to Chris at Allstar trans

Technical Service Information

FACTORY BAND ADJUSTMENT PROCEDURE

1. Remove the selective 2-4 band anchor bolt, as shown below and install the 307-416 Band Select Gauge.
2. Tighten the band select gauge bolt down to 5 N•m (45 in.lb.), and then back the bolt out exactly, 1 full turn and 1/2 turn.
3. While holding the band select gauge bolt in that position, lightly seat the nut and washer against the case.
4. Remove the band select gauge from the case, **without** changing the position of nut on bolt.
5. Measure the distance from end of the gauge to the washer.
6. Change the selective bolt as necessary to get the correct anchor using chart.
7. Install the selected band anchor bolt and torque to 45 N•m (33 ft.lb.).

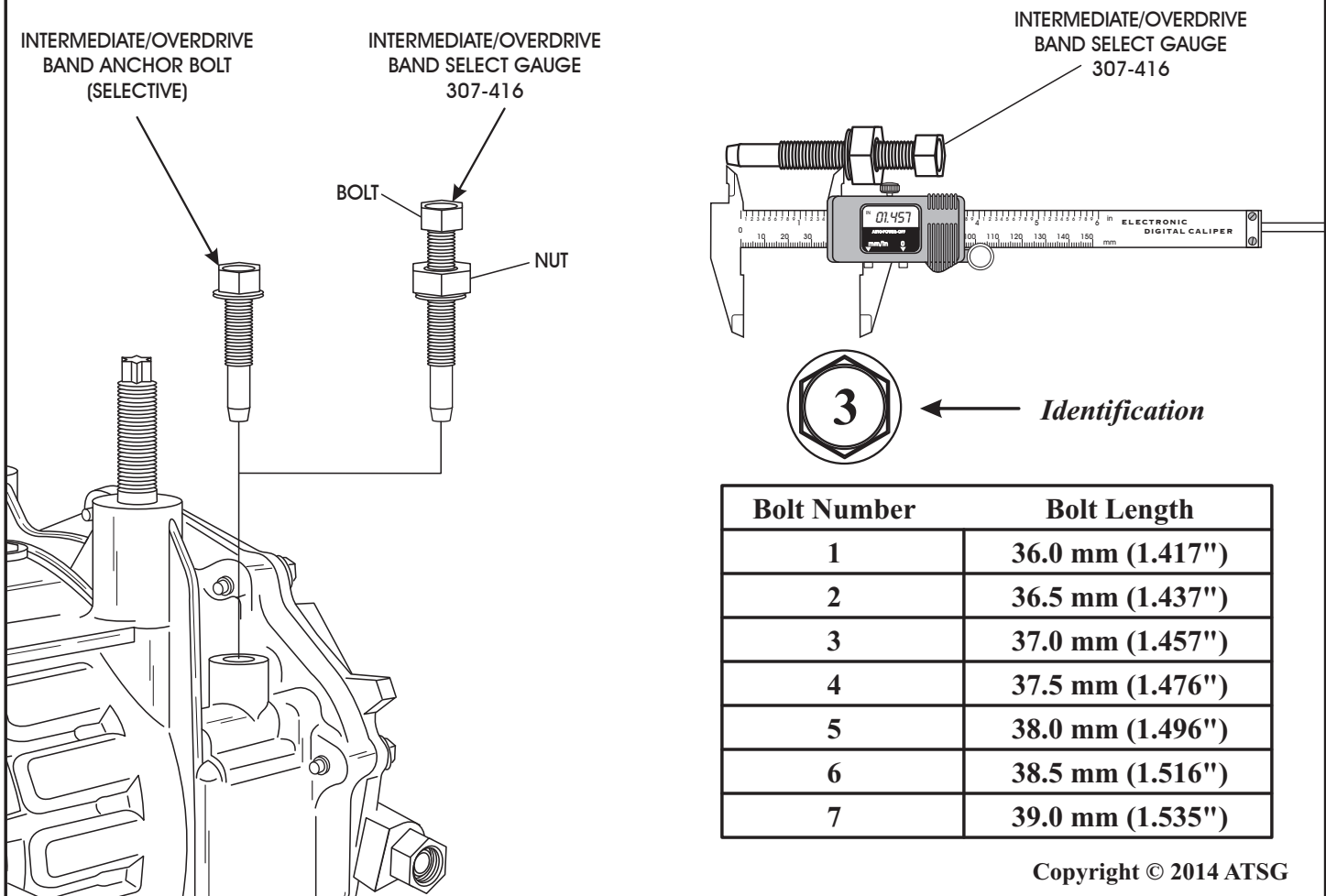
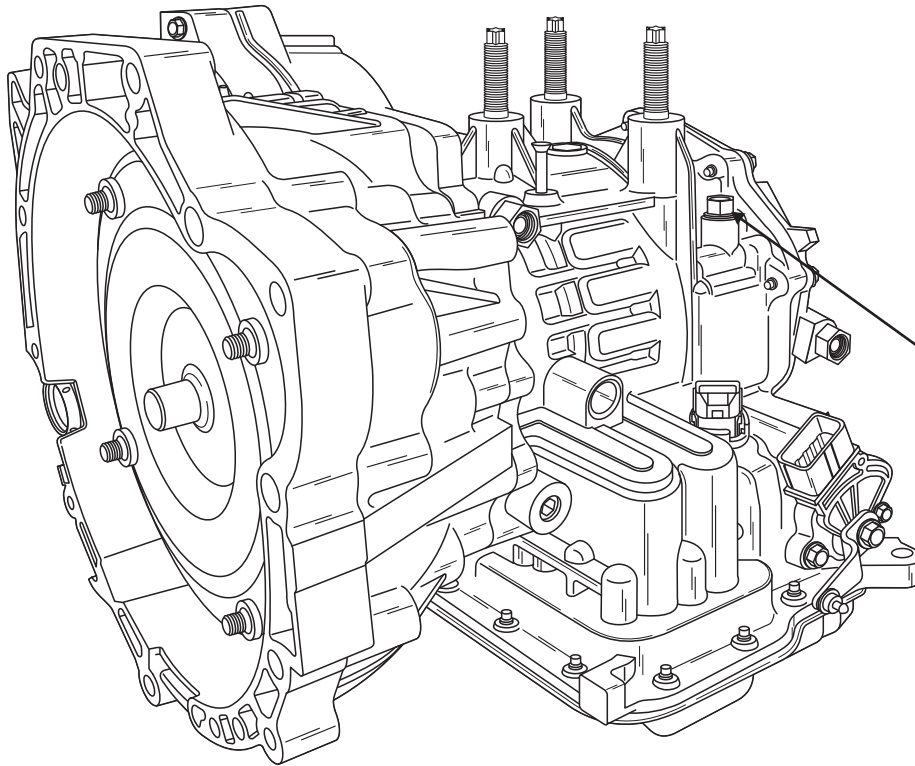


Figure 1



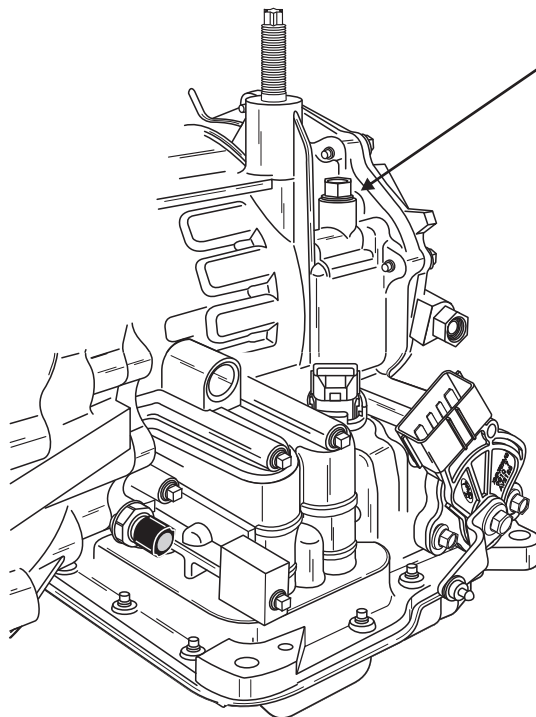
Identification



INTERMEDIATE/OVERDRIVE
BAND ANCHOR BOLT
(SELECTIVE)

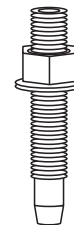


FORD FNR5



Option

BAND ADJUSTING STUD
AND LOCKING NUT
FROM A RE4R01A



Adjustment

TIGHTEN ADJUSTING STUD TO
45 in.lb THEN BACK OUT
1 AND 1/2 TURNS.
THEN LOCK THE
NUT DOWN TO 18 ft.lb.

Copyright © 2014 ATSG

Figure 2