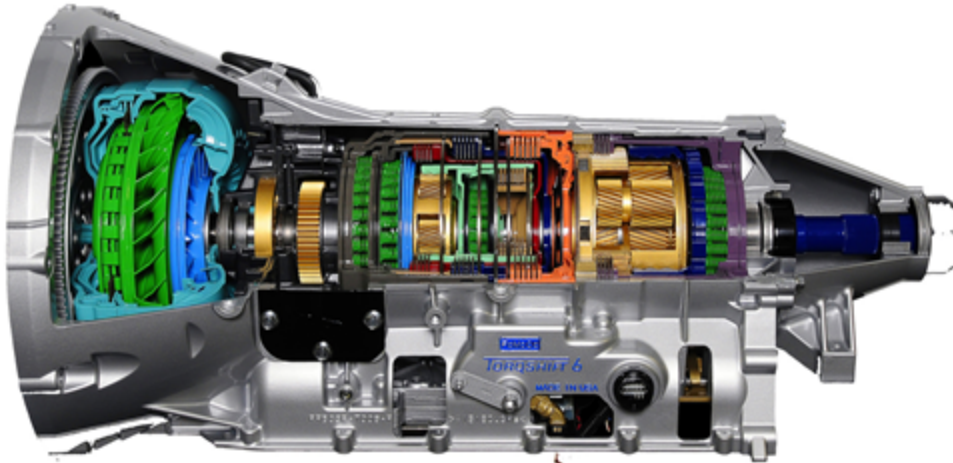


Ford 6R140 Transmission Cable Issue

Service Update #19-0429



Ensure Transmission Cable “Trunnion” is Properly Installed and Adjusted

We have seen some issues where the “trunnion” on the end of the shift cable at the transmission was not properly installed which may cause performance issues with the transmission.

Figure #1 shows the proper installation of the trunnion on the cable at the shift lever of the transmission. When improperly assembled, the locking nut (circled in red) is installed before the trunnion.

If you find the locking nut installed on the wrong side of the trunnion, both the trunnion and nut should be removed. Then the trunnion installed on the cable followed by the nut.

Next the cable should be properly adjust as follows:

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With the transmission shifter fully in the Neutral position and with the transmission shift arm fully in the Neutral position, the contact between the trunnion pin on the end of the shift cable and the transmission shaft arm should be relaxed. If the shift cable is pushing the transmission shifter arm against either side of its travel, shift cable adjustment is necessary.

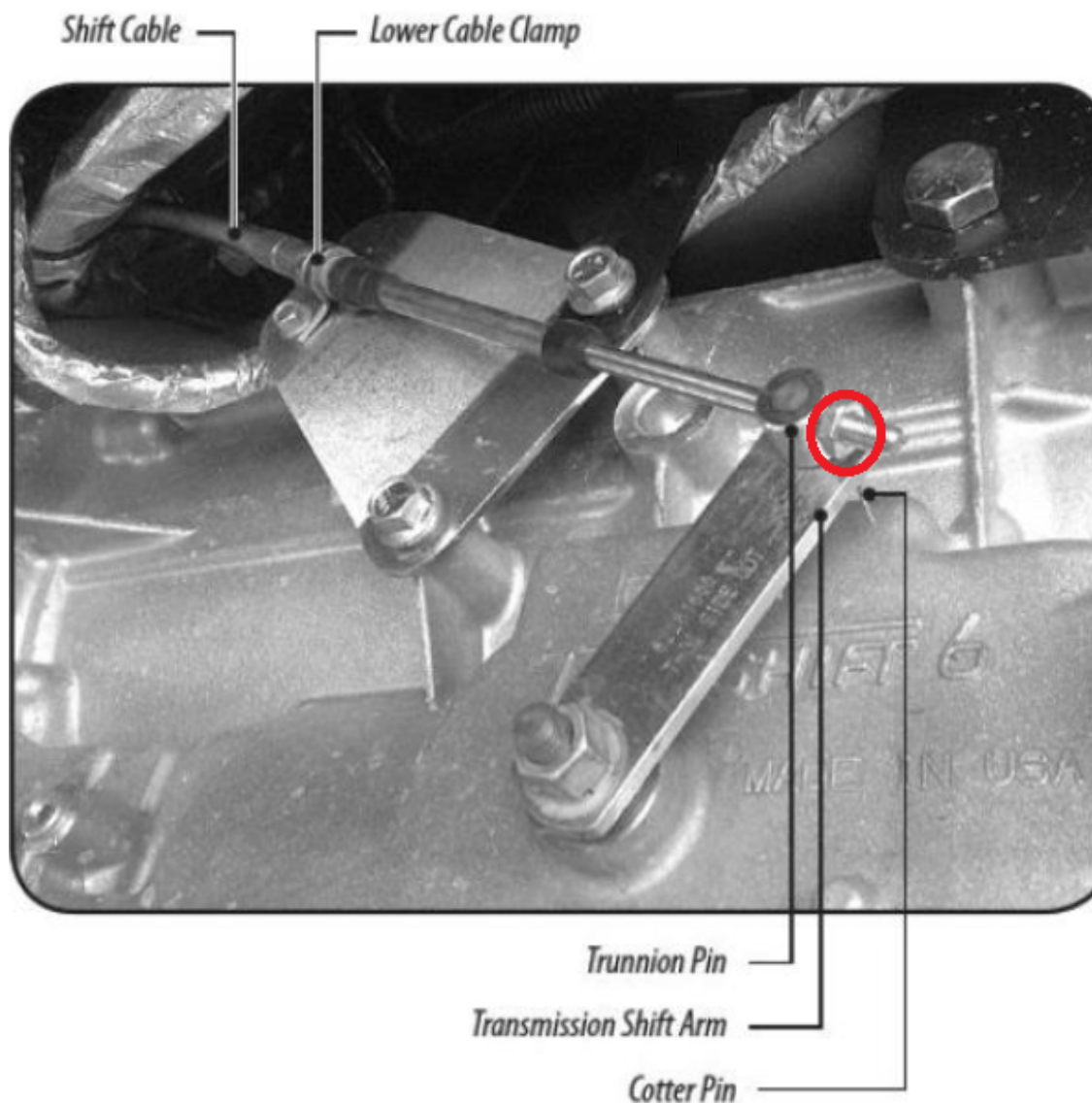


Figure #1

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1. Park bus on level surface, turn off engine, remove ignition key, and chock wheels.
2. Place the shifter control lever in Neutral. Wiggle the shifter to be certain it is squarely in Neutral.
3. Loosen trunnion pin locking nut. Remove the cotter pin from the trunnion at the shifter arm.
4. Remove the trunnion pin.
5. Rotate the shifter arm to the rearmost position, then forward two (2) detents.
6. Turn the trunnion pin on the threads of the shifter cable to properly align with the shifter arm.
7. Reattach the trunnion pin to the shifter arm using a new cotter pin. Tighten trunnion pin locking nut.
8. Recheck for proper cable adjustment by operating the shift lever.

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