



Automated Manual Transmission Gearbox Will Not Shift To High Range After Gearbox Repair; MID 130 PSID 24 FMI 1, P1072-92 Unintentional Disengagement Of High Range - US07 And Newer Emissions, Model Year 2008 And Newer



> Internal Content

Inspection of the tooth spacing for the components prior to installation will eliminate any potential mismatch of components and extended diagnostic time resulting from the incorrect components.

The correct tooth spacing is approximately 10 millimeters from the center of each tooth on the high range synchronizer center hub.

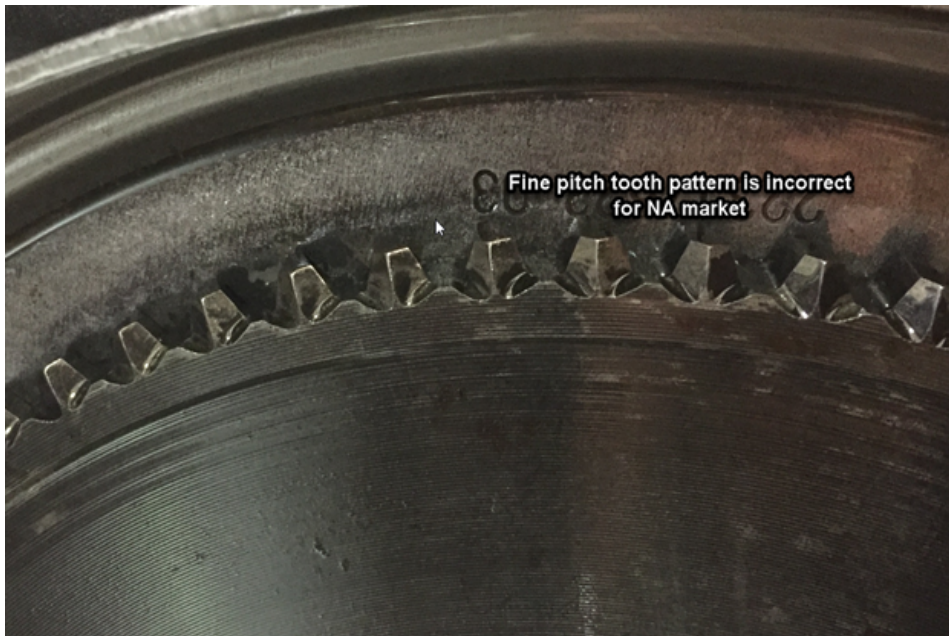


The Part Number for the correct center hub is 21448626.



Live UI

The incorrect fine tooth hubs have a Part Number of 21753650.



What you will see in Tech tool if the unit gets assembled this way.

Reviewing the Gears Test (4311-08-04-01) , calibration values (4320-07-03-01) or the Range Solenoid Test (4320-08-03-02) screens, the high range engagement will show to be barely within the valid calibration/engagement area. The teeth will mesh just enough to allow a good calibration and test results however the teeth are not engaged and the torque applied to the unit will force the range out of gear.



The average high range engaged position is 33 mm (1.31 inches) range.

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