STAR ONLINE PUBLICATION

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Symptom/Vehicle Issue: Installing Mopar Lift Kit, Update Required To Add Larger Tires, Manual Transmission

Discussion: After installing a lift kit with larger tires, the vehicle may set DTC P08A6 - Gear Lever Position Sensor System - Multiple Sensor Correlation - All Gear Sensor code. Update the vehicle as shown below.

2018 3.6L Wrangler with manual transmission setting the all gear sensor diagnostic code P08A6 with tire size change.

A re-learn of the top gear learned N/V ratio (engine speed/vehicle speed) is required due to any adjustment made in tire size in the BCM. If changing to a different size of tires on the vehicle and performing an adjustment, please follow the steps outlined below after programming new tire size;

1. Reset (PCM) non-volatile RAM (adaptive) either by disconnecting battery power to the GPEC2A module (PCM) or using diagnostic tool reset PCM

   Note; If disconnecting via battery, both batteries must be disconnected in able to reset the PCM.

2. Once reset, in order to learn new top gear N/V ratio;
   a. Vehicle speed must be between 40-80mph in top gear (6th)
   b. Accelerator pedal position must be greater than 0.392volts
   c. Flywheel torque > 75Nm
3. Once achieving the above conditions, it will take approximately 20 seconds to learn new top gear N/V ratio.

4. Once learning is complete with the proper top gear N/V ratio, this will re-enable the all gear sensor performance diagnostic.

Contact STAR Center, or your Technical Assistance Center Via TechCONNECT or eCONTACT ticket if no solution is found