

Response regarding question in Recall Acknowledgement Letter:

<< Regarding the added request >>

Please confirm that there could not be a situation where the incorrect software results in minimal engine damage from rocker arm contact, yet the damage may not be evident until sometime later.

(Answer)

There is no situation where the failure could go undetected and cause damage sometime after the recall remedy is completed.

The rocker arm comes out of position only when a switch between cylinder deactivation/activation occurs, and the software program to increase oil pressure to hydraulic valve adjusters is incorrect. If the rocker arm starts to come out of position during this switch, there is a threshold for full separation and partial separation.

- In partial separation condition, the rocker arm maintains close alignment to intended operating position, and will return to normal position quickly with no effect on engine performance.
- In full separation condition, the rocker arm alignment passes the partial separation threshold and will move fully out of position, causing damage to the engine.

Since the remedy software corrects the oil pressure control program of the hydraulic valve clearance adjuster, if a customer did not already experience engine damage or engine failure due to the defect, they will not have related issues after they have the remedy completed.