

**No.: 17 TS-2**  
January 6, 2017

TO: Service Locations

FROM: Service Systems Development

SUBJECT: **DD Platform Heavy Duty Front Engine Barring**

## ISSUE

Detroit has recently added front engine barring capability to DD13 and DD15 engines. A 30 mm nut has been added to the torque plate at the vibration damper. This change occurred on November 1, 2016 with engine serial number HDE459161. The change consists of a specially machined crankshaft, a new torque plate, and vibration damper mounting bolts that are 5 mm longer. The new torque plate is **not** backwards-compatible unless the newer crankshaft and longer damper bolts are used. Front engine barring is planned for the DD16 engine in the first quarter of 2017.



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**Figure 1. Front Engine Barring Torque Plate**

## REQUIRED ACTION

Front barring at the torque plate can now be performed for any repair procedure that requires barring the engine over. It should be noted that the timing reference mark on the flywheel and the flywheel locking tool must still be used when stated in the repair procedure. There is no timing reference on the front of the engine.

## CONTACT INFORMATION

Please contact the Detroit™ Customer Support Center at 800-445-1980 or email [csc@daimler.com](mailto:csc@daimler.com) if you have any questions.