

## CERTAIN 2018 MODEL YEAR F-53 MOTORHOME CHASSIS - FRONT WHEEL STUDS

### OVERVIEW

On some of the affected motorhome chassis, the front wheel hub assemblies may contain studs that were not heat treated properly. While Ford has not made a determination that this issue presents a risk to safety, it has decided to proactively launch a program to replace wheel studs. Before demonstrating or delivering any new in-stock vehicles involved in this recall, dealers are to inspect the front wheel hub assemblies and studs, and replace if necessary.

### SERVICE PROCEDURE

#### Recommended Tool List For Replacement:

General Tools	General Equipment
1/2" Drive Ratchet	Mechanics Wire
1/2" Drive Power Tool	C-Frame and Screw Stud Removal Tool
1/2" Drive Deep Socket 24mm, 33mm and 36mm	
3/8" Drive Ratchet	
3/8" Drive Power Tool	
3/8" Drive Deep Socket 10mm	
1/2" And 3/8" Drive Torque Wrench	
Side Cutter Pliers	

#### Inspection

1. Locate the printed label on each front wheel hub and rotor assembly by viewing it through the wheel openings. See Figure 1.
2. Record the serial numbers printed on the labels starting with the letters "FRK". See Figure 1.
  - If left hand or right hand wheel hub assembly serial numbers fall between the ranges in the table below, the wheel studs are suspect and need to be individually inspected, proceed to Step 3.

Affected Serial Number Range
FRK03221736 through FRK03221810
FRK03221886 through FRK03222050

- If the hub assembly label is missing or illegible, the wheel studs are suspect and need to be individually inspected, proceed to Step 3.
  - If neither hub assembly serial number falls within the range listed, the inspection is complete.
3. Remove the wheel from the affected hub assembly (or assemblies).
  4. Inspect the head of each wheel stud. Studs marked with K17 must be replaced. See Figure 2. Proceed to the proper repair based on the vehicle's GVW as listed below.
    - If no wheel studs are marked with K17 then the inspection is complete.





FIGURE 1



FIGURE 2

#### 22,000 lb GVW Vehicles

5. Remove the wheel hub. Please refer to Workshop Manual (WSM) procedures in section 204-01.
6. Remove the brake disc. Please refer to WSM procedures in section 206-03.
7. Replace the affected wheel studs. Please refer to WSM procedures in section 204-01.

#### 24,000 and 26,000 lb GVW Vehicles

8. Replace the affected wheel studs. Please refer to WSM procedures in section 204-01.

**NOTE:** Use a 1/2" drive impact wrench to draw the studs into the hub, do not exceed 300 lb-ft (408 Nm).

