



Group: **22-00**  
**TRANSMISSION**

# SERVICE INFORMATION BULLETIN

Bulletin Number: 15-004      Models: FE/FG      Issued Date: September 2015      Page 1 of 6

**NOTE:** The information contained in this document is intended for use by trained, professional technicians with the knowledge, tools, and equipment to properly and safely perform diagnoses and repairs. It informs service technicians about conditions that may occur in some vehicles, or provides information that could assist in proper vehicle diagnosis, service, or repair, and does not indicate that a defect is present. DO NOT assume that a symptom or condition, or a described cause of a symptom or condition, affects any particular vehicle or that a described repair applies to any particular vehicle. There can be multiple causes resulting in the same symptoms or conditions, and trained professional service technicians must use their diagnostic skills to make evaluations on a case-by-case basis.

**SUBJECT:**

External DUONIC Filter Kit

**POTENTIALLY AFFECTED MODELS:**

2012 through 2015 M/Y FEC52, FEC72, FEC92, and FGB72 Canter Vehicles equipped with a DUONIC Transmission.

**DESCRIPTION:**

MFTA has introduced external DUONIC filter kits (part numbers KT222028 and KT222029) to be installed at the time of a DUONIC transmission replacement to protect the installed transmission against intrusion of any metal contamination that may remain in the system. Attached are instructions to install this kit.

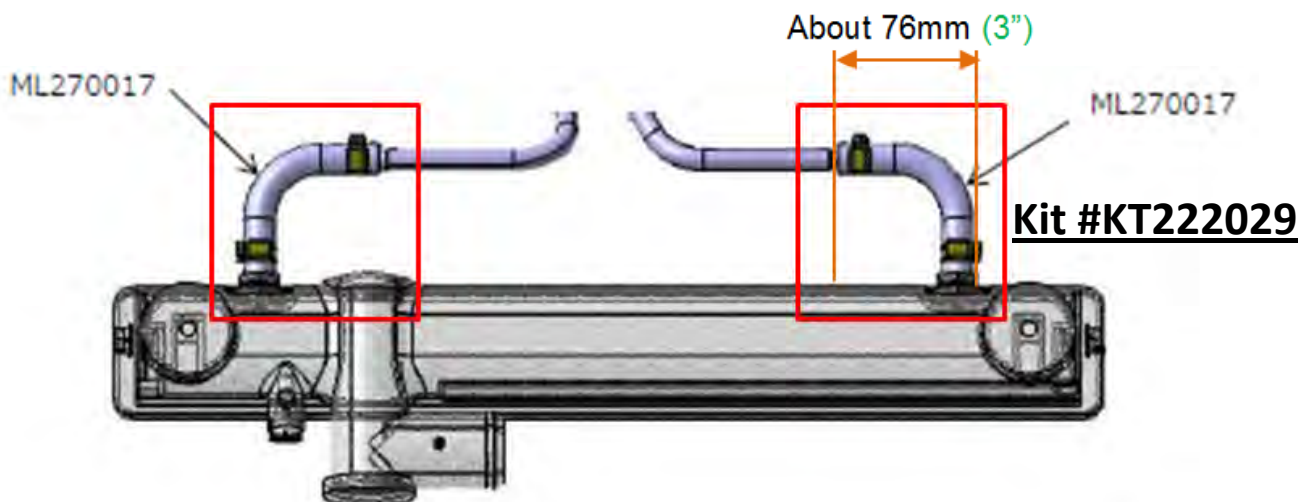
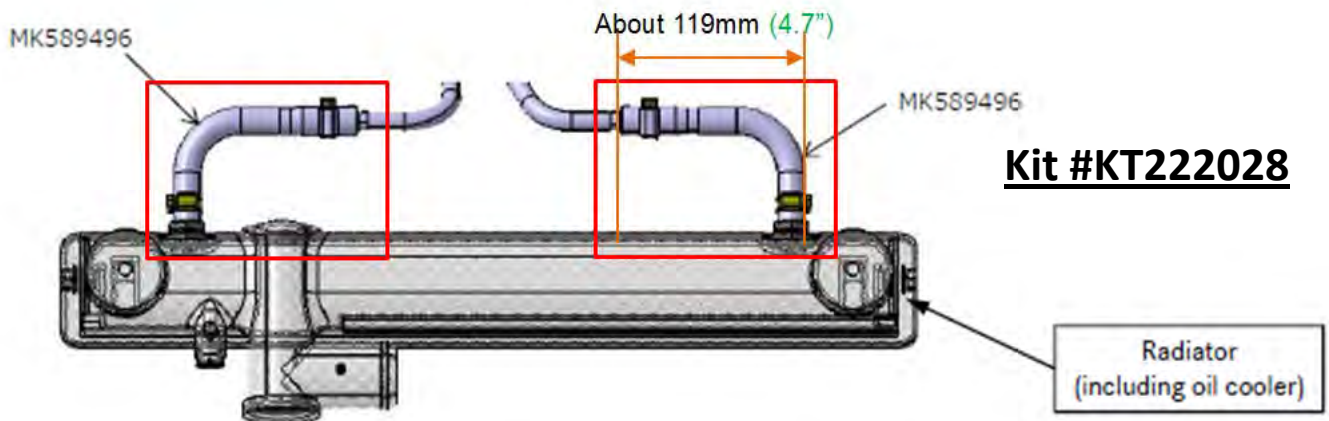
Please initial and route to the following personnel before filing.

Service Mgr.		Warranty Mgr.		Service Technicians - Initial in boxes below.								
Shop Foreman		Parts Mgr.										

This Service Information Bulletin is supplied for information purposes only and is not an authorization for any repairs.

# DUONIC Oil Filter Installation Procedure

1. Park the truck on a flat level surface. Apply the parking brake. Shift the transmission to the park position.
2. Chock the wheels. DO NOT REMOVE THE WHEEL CHOCKS UNTIL THE WORK PROCEDURE IS COMPLETED.
3. Measure the transmission oil cooler hose on the driver's side. See the pictures below to determine which kit is applied for the vehicle.



4. Remove the cooler hose from the driver's side from the radiator/cooler and the pipe. This hose will be reused.

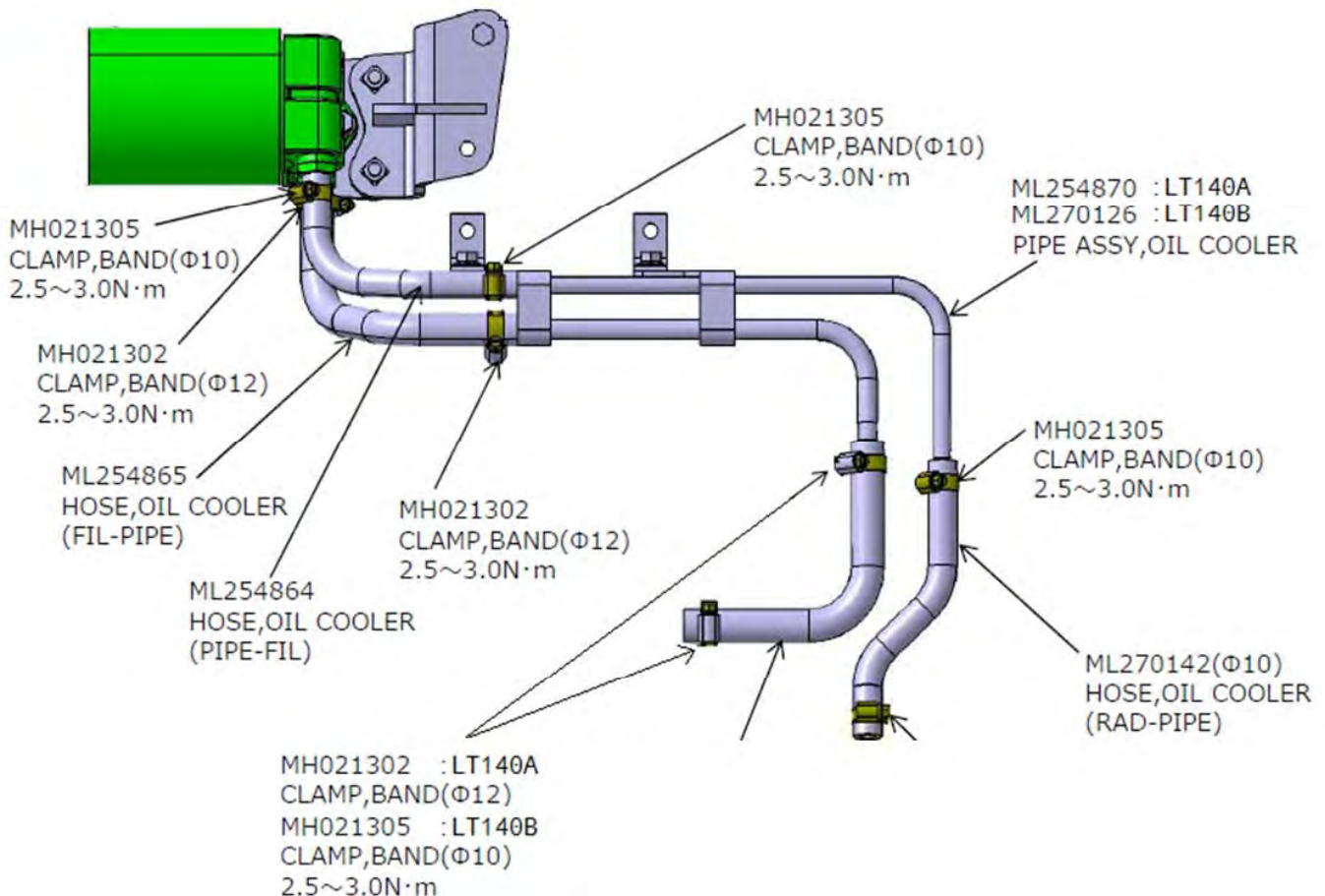
5. Attach the ML270122 plate to the filter with (3) MF140227 flange bolts (8x25) and (3) MF434104 flange nuts.



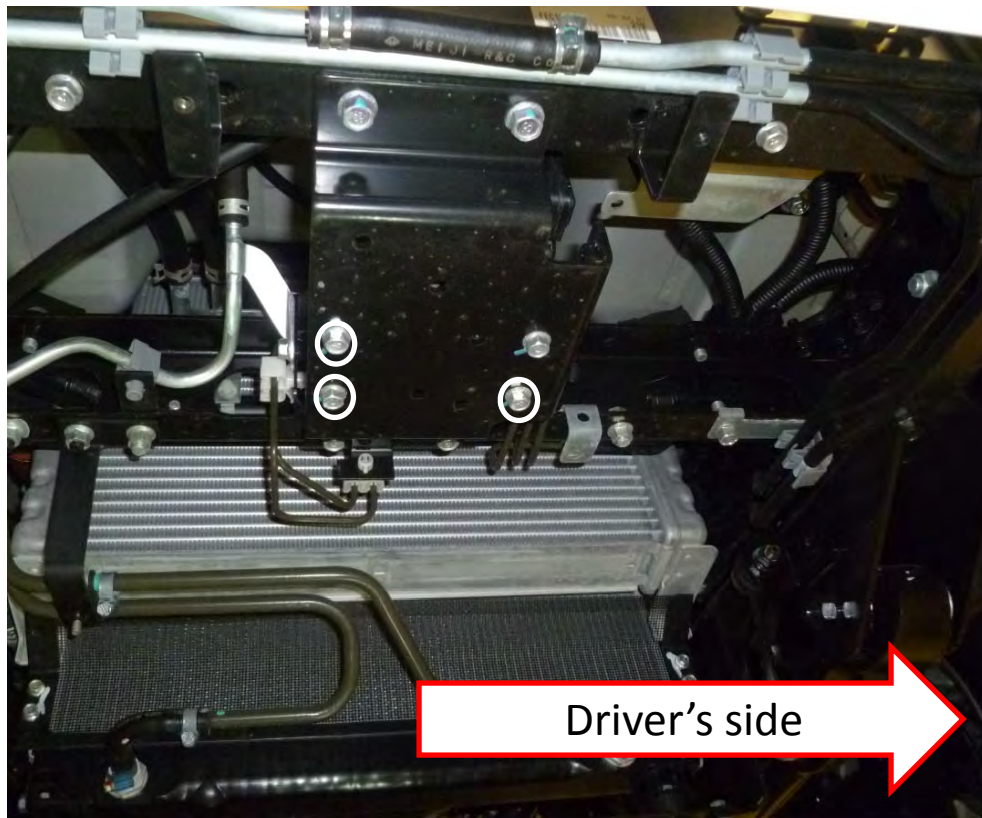
6. Attach the ML270120 bracket to the plate using (2) MF140225 flange bolts.

7. Tighten all bolts to 17 ft.lbs. (23 Nm).

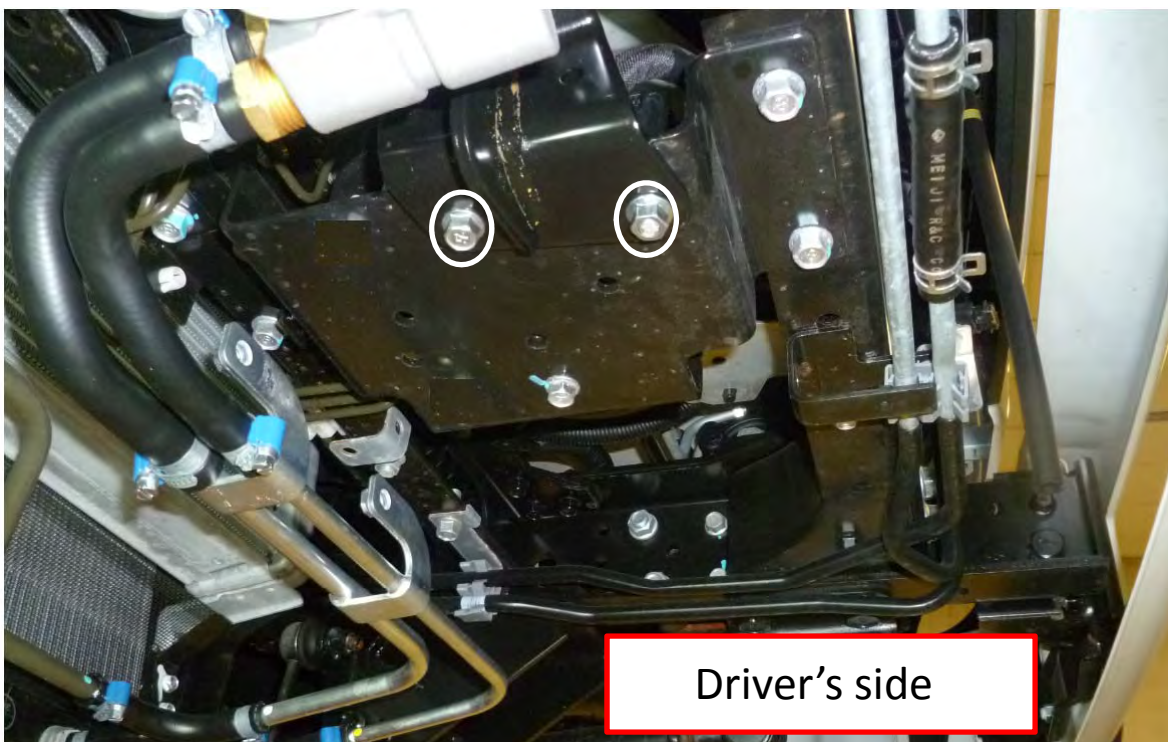
8. Preassemble filter assembly, hoses, clamps and lines as shown below.



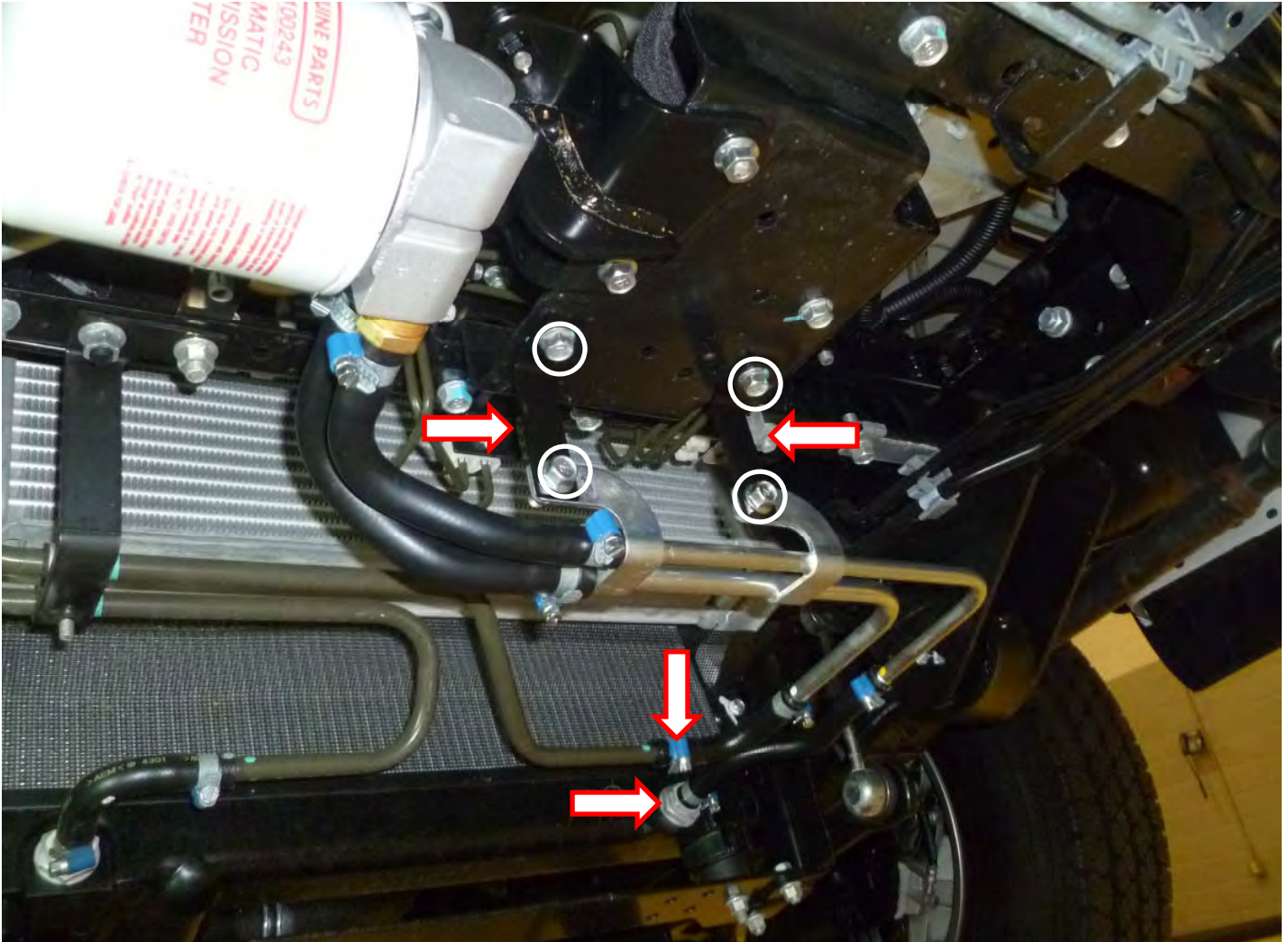
9. Remove the bolts from the ABS module as shown below.



10. Mount the filter assembly using a hole for the ABS module and a blind hole using a nut and bolt as shown below.

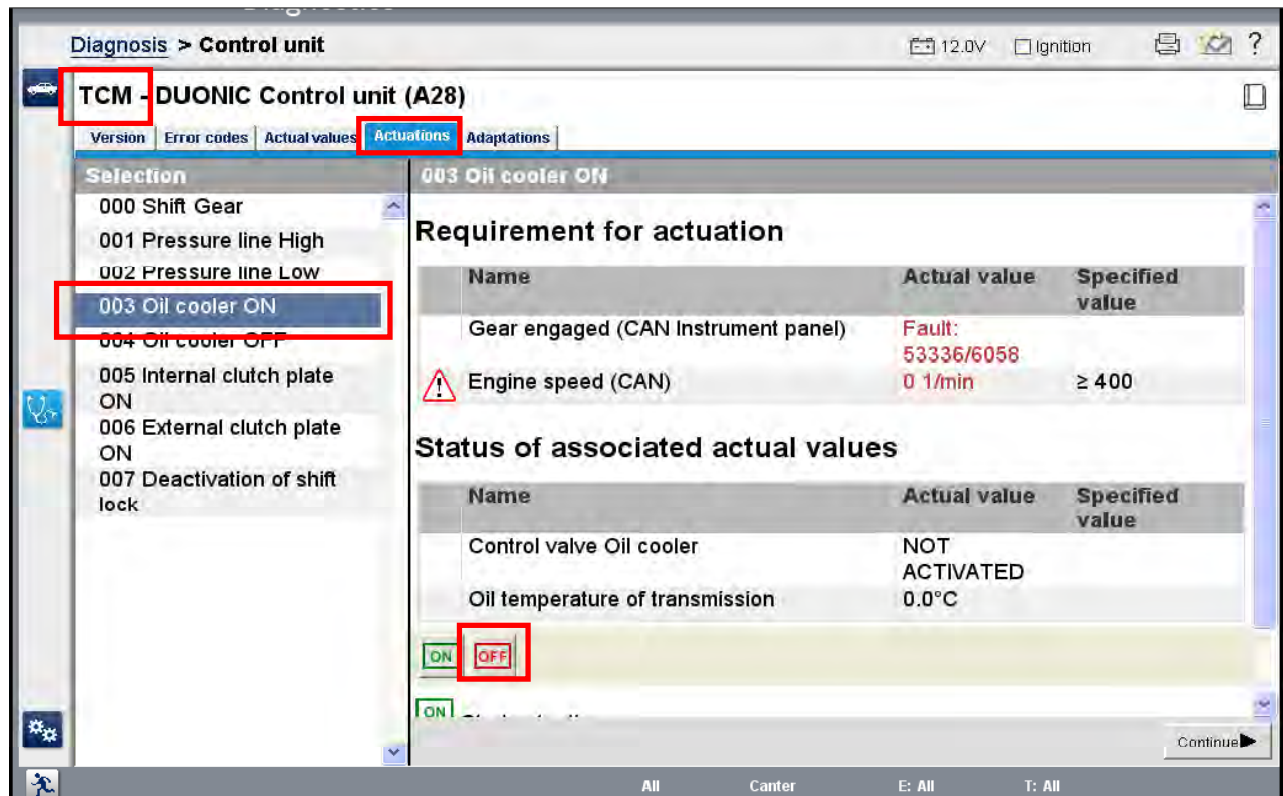


11. Install the L brackets to the ABS modules holes and to the threaded holes in the brackets for the steel piping as shown. Torque the bolts to 17 ft.lbs. (23 Nm).
12. Connect the hoses as shown. Torque clamps to 2 ft.lbs. (3 Nm).



13. Add 0.7 liter of fluid to the transmission front section. Circulate the ATF through the valve body and oil cooler by starting the engine. Check the filter, hoses and pipes for leaks. Shift the gear shift lever from Park to Reverse, Reverse to Neutral, Neutral to Drive, Drive to Neutral, and Neutral to Reverse. Hold each position for 10 seconds. Repeat this 4 times with the service brake applied and the parking brake applied.

14. Connect the Fuso Diagnostic Tool (FD) to the vehicle. Perform the oil cooler actuator test 3 times to purge any air that may be in the system.



15. Perform the initialization procedure found in the service manual.  
16. Perform a final check of the oil level and adjust as necessary.