Recall Information Bulletin

No: C10118 **Issued:** 6/14/2021
NHTSA No: 20V645
Transport Canada No: 2020-494
Re: Vacuum Pump
Group: 35 **Models:** FE

SUBJECT:
Safety Recall C10118 – Vacuum Pump

MODELS:
FECZT (FE140), FEC7T (FE160), FEC9T(FE180)

VEHICLES INVOLVED:
Certain 2019-2021 model year FECZT, FEC7T, and FEC9T trucks.

A list of vehicles your Dealership has sold that require this Recall can be found on the Dealer's "Open Campaigns" list supplied by MFTA via Fusonet. Some individual vehicles described above may not need the Recall as the repairs may have already been performed. Always check the "VIN Inquiry" tab under "Service" or "Warranty" on Fusonet to verify that the VIN requires this Safety Recall.

Important note: It is a violation of Federal law for a dealer to deliver a new or used motor vehicle covered by this Recall Information Bulletin, under a sale or lease, until the Safety Recall has been completed.

OWNER NOTIFICATION:
Owners of affected vehicles will be notified by mail.

CONDITION:
Mitsubishi Fuso Truck of America, Inc. has decided that a defect, which relates to motor vehicle safety, exists in the vacuum pump on certain 2019-2021 model year FECZT (FE140), FEC7T (FE160) and FEC9T(FE180) Mitsubishi Fuso trucks. On some light duty trucks, the vacuum pump assembly is affected by excessive heat generated prior to performing safety recall C10114 may cause the vacuum pump to fail prematurely. This heat causes the diaphragm in the pump to crack, resulting in loss of vacuum in the vacuum pump. If the vehicle continues to be operated in this condition, the low vacuum lamp will illuminate and as the vacuum pump loses vacuum, the brake pedal will become hard. In the worst case, the power brake assist will become inoperable, causing a crash.

MODIFICATION:
The vacuum pump will be replaced with an improved pump assembly and exhaust heat shields will be added to protect the pump from excessive heating.

RECALL CLAIM SUBMITTAL:
Reimbursement claims are filed through FALCON using the Field Fix claim type. Enter all requested information. The system will automatically populate the labor allowance and parts kit.

STANDARD CAB

Campaign Reimbursement					
Campaign Number	**Models**	**Allowances**		**Labor Description**	**Part Number**
C1011810	FECZT FEC7T FEC9T	Labor Time	1.3 hours	SINGLE COMPRESSOR: Replace vacuum pump, reroute the vacuum hose and install heat shields	LT190A01
C1011820	FECZT FEC7T FEC9T	Labor Time	1.5 hours	DUAL COMPRESSOR: Replace vacuum pump, reroute the vacuum hose and install heat shields	LT190A02

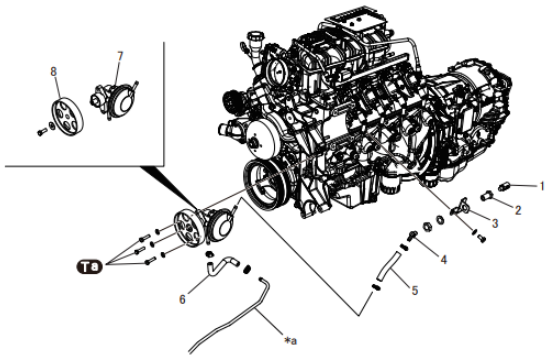
CREW CAB

Campaign Reimbursement					
C1011830	FEC7T Crew Cab	Labor Time	2.7 hours	SINGLE COMPRESSOR: Replace vacuum pump, reroute the vacuum hose and install heat shields	LT190A01
C1011840	FEC7T Crew Cab	Labor Time	2.9 hours	DUAL COMPRESSOR: Replace vacuum pump, reroute the vacuum hose and install heat shields	LT190A02

REPAIR PROCEDURE:

1. Park the vehicle on a flat, level surface, turn off the engine and chock the wheels.
   CAUTION!
   Do not remove the wheel chocks until all modification work has been completed.

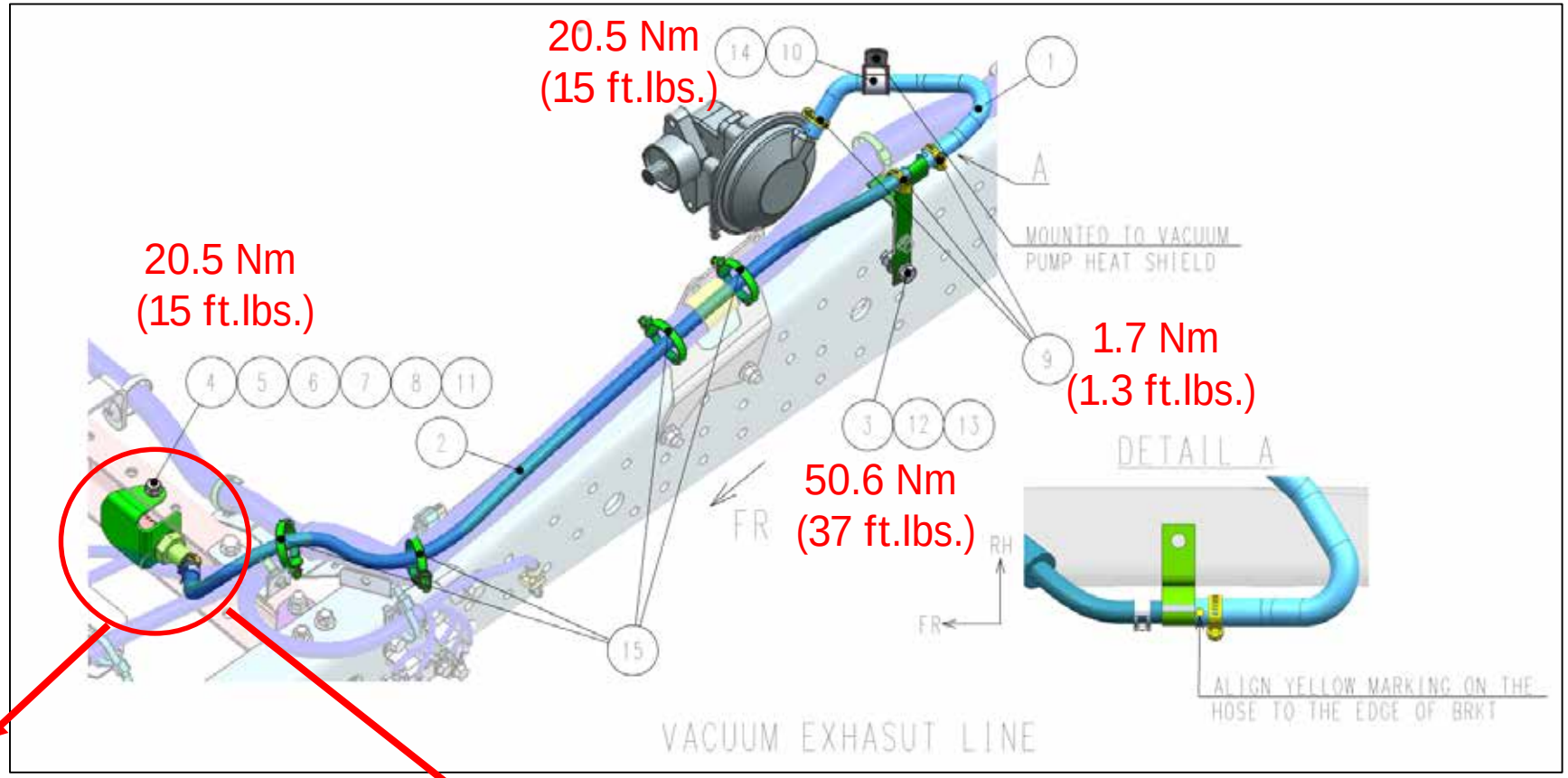
2. Remove and replace the vacuum pump using Section 35 Brake of the FUSO FE Gas Service Manual.



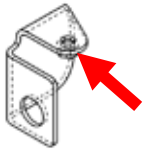
3. Reroute the vacuum exhaust hose and install the exhaust heat shields using the attached Modification Procedure.

Modification Procedure

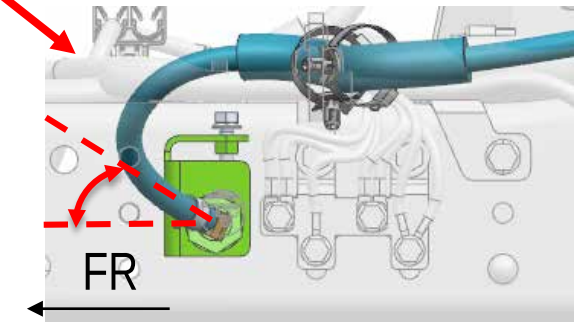
1. Reroute vacuum exhaust line.



Prevent bracket rotation by holding weld nut (15) on bracket with a wrench while tightening the bolt

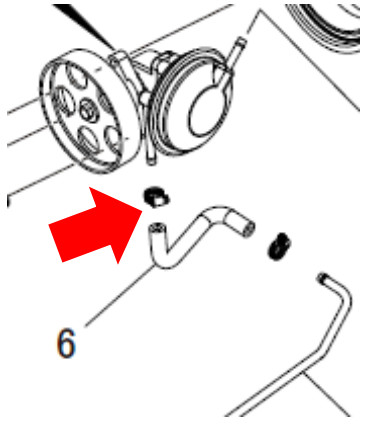


Connector inlet angle ; 0~30 degrees.

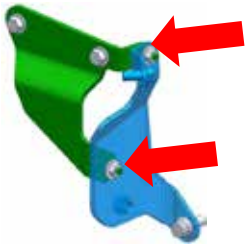


Angle 0 degrees case

2. Reconnect the existing vacuum inlet hose (bottom position).

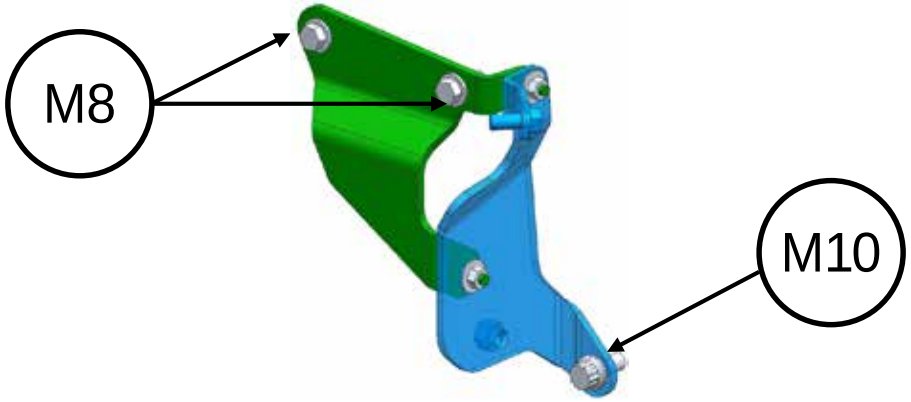


3. Assemble bracket and shield (M6, 5.2 ft.lbs.).



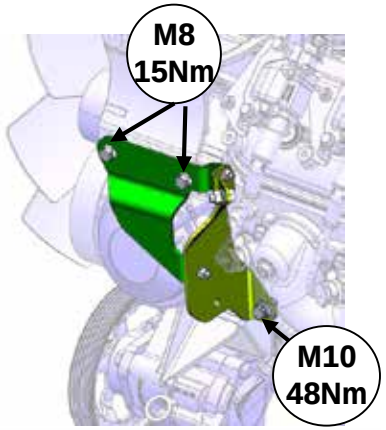
4. Connect the new vacuum exhaust hose through the shield and bracket before affixing it to the engine.

6. 1st tighten the bracket (M8, 11 ft.lbs.)
   2nd tighten the shield (M10, 35.4 ft.lbs.)
   - Check the clearance between the pump cover and shield (next page).

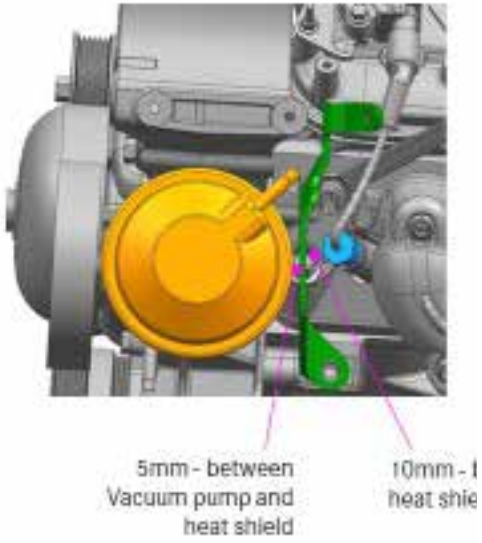


7. Affix the hose to the shield with clamp (M8, 15 ft.lbs.).

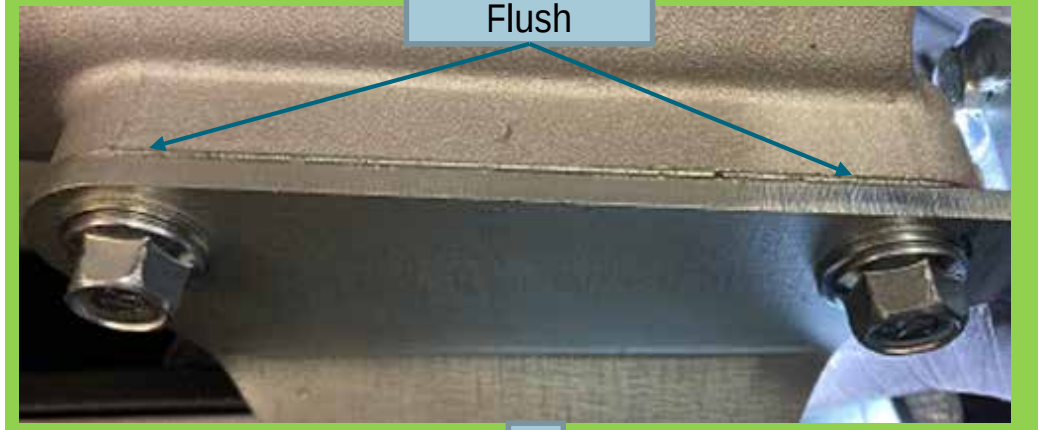
Clearance between pump cover and heat shield

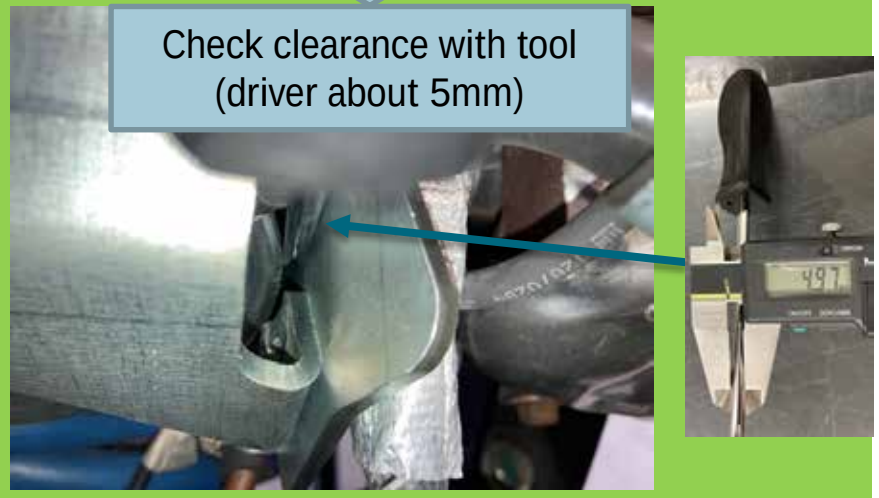


Clearance check on DMU=> 5mm



GOOD (about 5 mm clearance), tighten M8 with the bracket flush against the engine A/C boss





NO GOOD (insufficient clearance), when M10 is tightened first