

FIELD SERVICE BULLETIN**FS-2020-02: Right Sizing Coolant Sensor Circuit Breaker**

Date: March 19, 2020
Model: ISL/L9 Engines with G4 Multiplexing System
Model Years: 2017 - 2019

During the review of the coolant sensor circuit in some buses, it was determined that the 10 Amp circuit breaker currently utilized in this circuit should be replaced with a 4 Amp circuit breaker.

The following instructions are for buses with L9 diesel engines utilizing the G4 multiplexing system.

*We are ordering a 4 Amp circuit breaker for each bus involved in this change. They will be sent to you as soon as they are delivered to GILLIG.
4 amp circuit breaker part number is: 13-62184-011*

The drawings in your schematics manual will be addressed as soon as they can be amended.

GILLIG – ISO Coolant level sensor CB Replacement

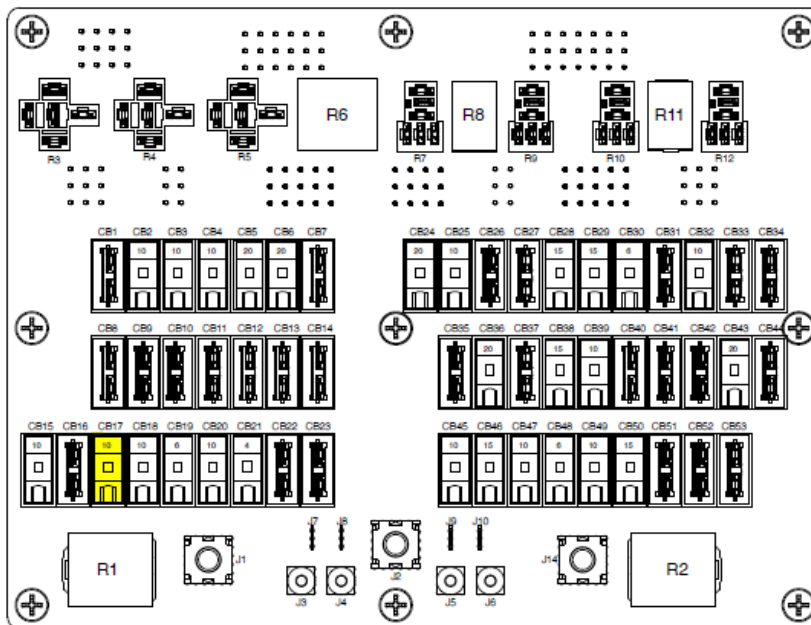
Caution: Always shut off the master battery disconnect switch prior to performing any electrical work on the vehicle.

Approved: 
Robert L. Birdwell, Executive Director
Field Service

Rear electrical panel circuit breaker changes:

Most 2017 and later customer fleets will have a G4 I/O system rear electrical panel layout as shown below. Refer to your fleet specific schematics manual to confirm to confirm Circuit Breaker location.

NOTES:
1. REFER TO 51-75688-001 & 13-77222R000 FOR MODULE-POWER DISTRIBUTION, SCHEMATIC & PIN OUTS.
2. REFER TO 13-62184-TAB FOR CIRCUIT BREAKER SIZES TO BE INSTALLED.



REAR ELECTRICAL PANEL

	CB	RATING (A)	12V CIRCUITS
12V BATTERY	CB 1	-	-
	CB 2	10	SPARE - CON SPARE-1
	CB 3	10	ENGINE COMPARTMENT LIGHTS
	CB 4	10	ANTI-LOCK BRAKES (ABS, ESC)
	CB 5	20	DS BAT-12V POWER (OUTPUTS 1,2,5,6,7,8,9)
	CB 6	20	DS BAT-12V POWER (OUTPUTS 8,4,10,11,12,13)
	CB 7	-	-
	CB 8	-	-
	CB 9	-	-
	CB 10	-	-
	CB 11	-	-
	CB 12	-	-
	CB 13	-	-
	CB 14	-	-
12V IGNITION	CB 15	10	HYDRAULIC LEVEL SENSOR SPARE - CON SPARE ENG-D
	CB 16	-	-
	CB 17	10	SURGE TANK LEVEL SENSOR
	CB 18	10	ANTI-LOCK BRAKES (ABS, ESC)
	CB 19	6	STEP LIGHTS
	CB 20	10	SPARE - CON AREA 1-A
	CB 21	4	DS IGN-12V POWER (INPUTS 7,8,9,10,11,12,13,14)
	CB 22	-	-
	CB 23	-	-

RELAYS	RATING	CIRCUITS
R1	24V/80A	12V IGN-PWR
R2	24V/80A	24V IGN-PWR
R3	-	-
R4	-	-

Rear electrical panel circuit breaker changes with G4 I/O Systems:

- 1. Open the rear electrical panel enclosure and locate the red PCB mounted circuit breakers.***
- 2. Find and remove 10amp CB#17, 12V power for the surge tank level sensor.***
- 3. To assist removing the breaker, gently rock it up and down while pulling.***
- 4. Replace 10amp CB#17 with a 4amp CB.***

