

FIELD SERVICE BULLETIN**FS-2020-04: Right Sizing Coolant Sensor Circuit Breaker**

Date: July 2, 2020
Model: ISLG-NZ Engines with G3 Multiplexing System
Model Years: 2016 - 2018

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 utilizing the G3 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 and Hydraulic level sensor CB Replacement

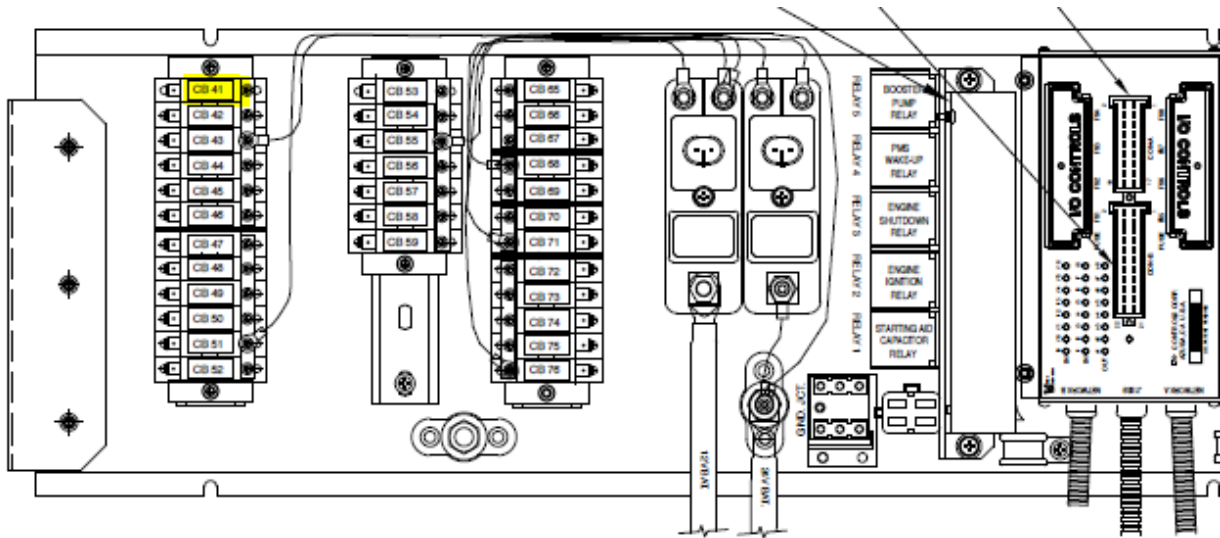
Caution: Always shut off the master battery disconnect switch prior to performing any electrical work on the vehicle.

This retrofit instruction will detail how to replace and downsize the HVAC Iso loop level sensor circuit breaker on the rear electrical panels for late 2016 through early 2018 ISLG-NZ Engines. This circuit breaker provides power to the Iso loop level sensor and Hydraulic level sensor.

Approved: 
Robert L. Birdwell, Executive Director

Rear electrical panel circuit breaker changes:

Most affected customer fleets from Nov. 2016- Mar. 2018 should have a similar rear electrical panel layout as shown below (with G3 Dinex System). Refer to your fleet specific schematics manual to confirm to confirm Circuit Breaker location.



12V CIRCUIT BREAKERS

HYDRAULIC LEVEL SENSOR	41		
TANK LEVEL, REAR GAUGES	42		
ANTI-LOCK BRAKES	43		
FUEL DOOR	44		
STEP LAMPS	45		
SPARE 12V-IGN	46		
ANTI-LOCK BRAKES	47		
REAR TURN LAMPS	48		
CON SPARE 12V-BAT POWER	49		
ENGINE COMPT. LIGHTS, D2 INPUTS, REAR RUN BOX	50		
D2/D4 OUTPUT	51		
D2/D4 OUTPUT	52		

12V
IGNITION
CIRCUIT
BREAKERS

12V
BATTERY
CIRCUIT
BREAKERS

24V CIRCUIT BREAKERS

D3 OUTPUTS 1-4, 13-16 & PLC PWR	53		
AUXILIARY HEATER	54		
SPARE 24V-BAT	55		
D3 & D4 OUTPUT	56		
BOOSTER PUMP POWER	57		
REAR IGNITION SWITCH	58		
SPARE 24V-BAT	59		

24V
BATTERY
CIRCUIT
BREAKERS

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Rear electrical panel circuit breaker changes with G3 I/O Systems:

- 1. Open the rear electrical panel enclosure and locate the Din rail mounted circuit breakers.***
- 2. Find and remove 10amp CB#41, 12V power for the coolant level sensor.***
- 3. To assist removing the breaker, gently rock it side to side while pulling.***
- 4. Replace 10amp CB#41 with a 4amp CB.***



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