ISUZU OBD2 EXT. CABLE AND ELECT. TERMINAL COVER KIT

P/N EE64933 IZA/OBD2 Diagnostic Extension Cable & Electrical Terminal Cover Kit

This kit is intended for use on applicable Isuzu-powered generator models and includes an OBD-II diagnostic port extension cable, an OBD Connector end cap and nine protective terminal boots.

Kit P/N EE64933

Item No.	Part No.	Item No.	Qty.
1	EE64935	Cable, 16 pin OBD2 Extension	1
2	EE649356	Cap, OBD Connector	1
3	EE64937	Terminal Boot 12mm x 8mm	9
4	EE65091	Decal, “ENGINE DIAGNOSTIC PORT” 1”x3”, **rev. A**	1
5	EE65376	Decal, “ENGINE DIAGNOSTIC PORT”, 1”x3”, French	1

The OBD-II extension cable (Part #EE64935 16 Pin) relocates the engine diagnostic connector from the generator control panel area to the unit's battery compartment, providing a more accessible service connection point for technicians. Positioning the diagnostic port near the battery allows for more efficient connection of diagnostic equipment, as the battery is commonly utilized as the power source for service tools during troubleshooting and maintenance procedures.



In addition, the kit includes nine (9) rubber terminal boots (Part #EE649357 12mm x 8mm) designed for installation over exposed electrical terminals located on the rear of the voltage and amperage selector switches. These protective boots provide an added layer of insulation and help reduce the potential for inadvertent contact with energized terminals during service activities.



Note: Generator controller configurations vary by model. Some units may not utilize voltage and amperage selector switches and therefore may not require installation of all nine terminal boots. Install terminal boots only where applicable.

Benefits:

- Improves accessibility to the engine diagnostic connector.
- Streamlines diagnostic service procedures by relocating the connection point closer to the battery.
- Enhances technician convenience when connecting powered diagnostic equipment.
- Provides additional insulation and protection for exposed electrical terminals.

QUALIFIED PERSONNEL NOTICE

Electrical, mechanical, and hydraulic diagnostic, maintenance, and repair procedures should only be performed by qualified technicians trained in the safe service of Multiquip equipment. Appropriate safety practices and manufacturer-recommended procedures must be followed at all times.

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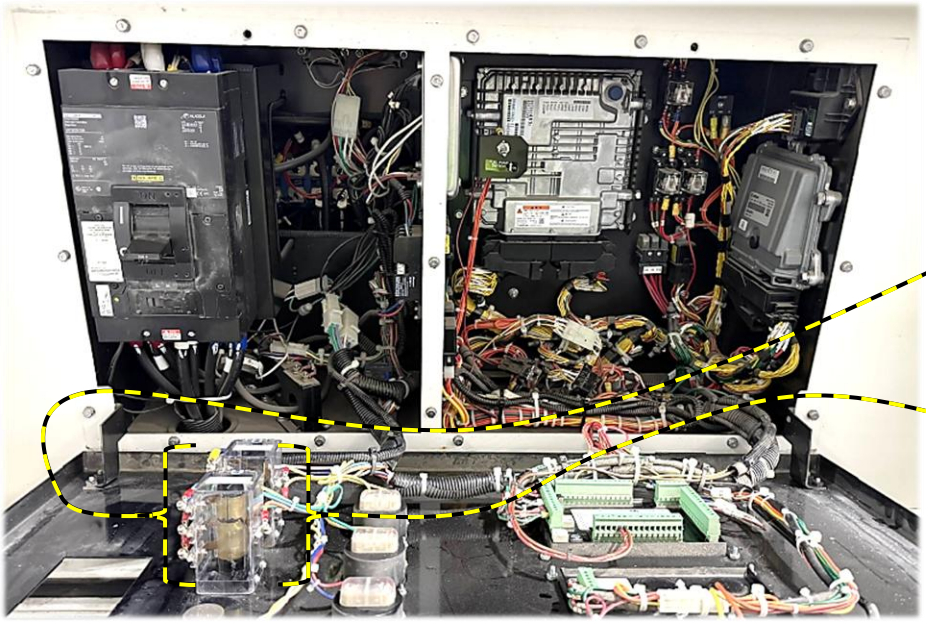
PREPARATION:

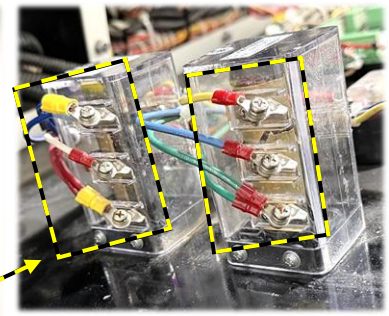
1. Park the generator on a level surface
2. Shut down the engine and allow it to cool
3. Disconnect the negative battery cable
4. Ensure safety glasses and Phillips screwdriver are available
5. Verify all kit components are present

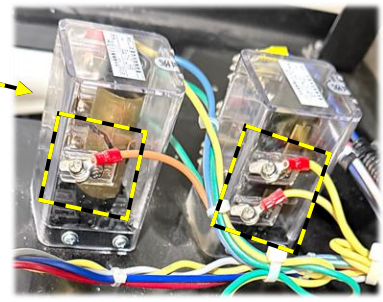
Installation of rubber protective boots to wiring terminals at the metering selector switches

Installation will require “Nine rubber protective boots per unit”. The boots can be installed without having to cut the terminal connectors off the end of the wires. The protective boots should remain securely in place under normal conditions; however, install a cable tie on each boot to ensure it remains properly secured.

1. Lower the control panel to gain access to the metering selector switches
2. Reference the below pictures highlighting the metering selector switches on the control panel.
3. Note the nine highlighted terminal locations to have a protective boot installed on each one
4. Remove one terminal screw at a time from the voltmeter and ammeter selector switch terminals. Install the rubber protective boot onto the wire and ring terminal. Reinstall the ring terminal to its original location and tighten the screw securely. Slide the protective boot completely over the exposed terminal and fastener. Install a cable tie to retain the protective boot in position.









Rubber Terminal Boots

Part #EE649357
12mm x 8mm

Final Inspection:

- Verify all applicable terminal boots are installed
- Verify each boot is fully covering the exposed terminal
- Verify cable ties are installed and secure

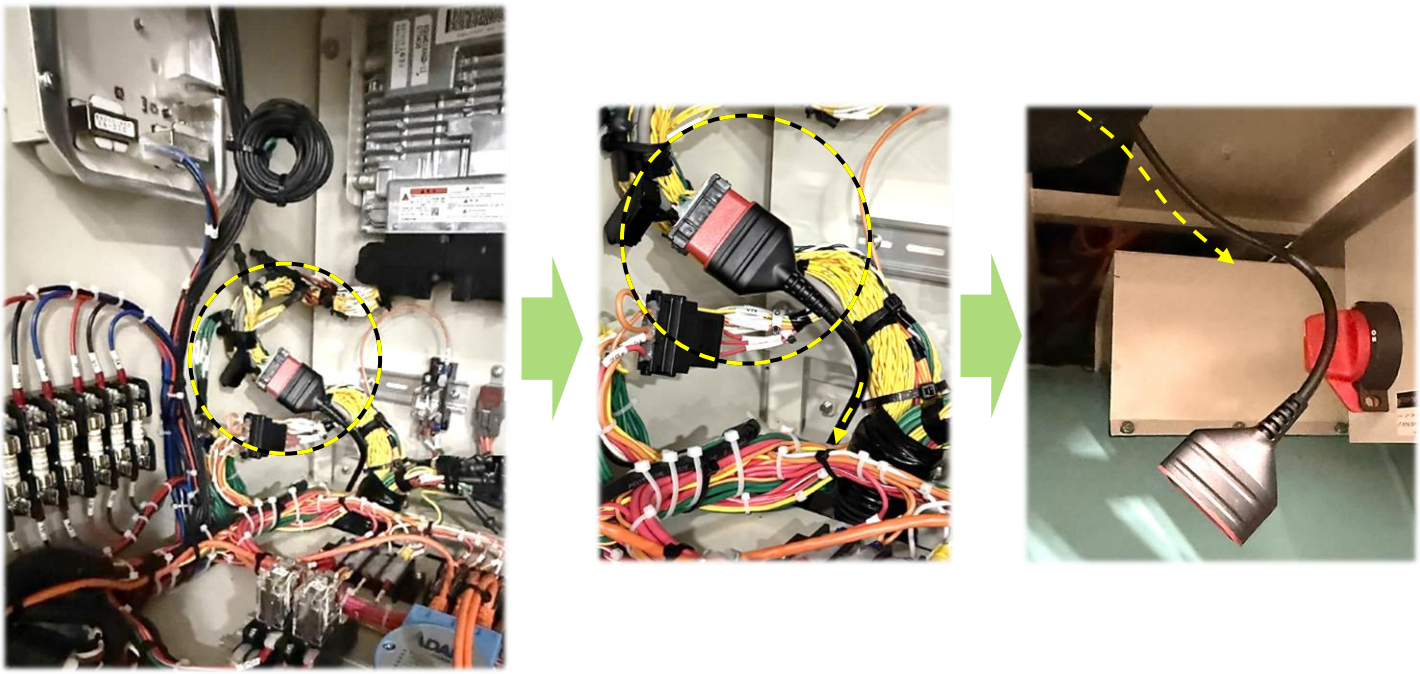
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Installation of OBD2 Extension Cable:

Note: The location of the engine OBD2 diagnostic connector, cable routing path, and final connector mounting location may vary by generator model and controller configuration. On all applicable units, the diagnostic connector is accessible from behind the operator control panel. Route the OBD2 extension cable using the most appropriate existing harness path toward the generator battery compartment, securing the cable to prevent chafing, strain, or interference with other components.

1. Access the engine OBD2 diagnostic connector behind the operator control panel and connect the OBD2 extension cable to the existing engine diagnostic connector.
2. Route the OBD2 extension cable out of the control cabinet using existing harness routing where practical.
3. Secure the extension cable using cable ties and keep clear of moving components, high-temperature surfaces, sharp edges, and pinch points.
4. Route the extension cable toward the generator's main battery compartment following an appropriate harness path for the specific generator model.
5. Position the diagnostic connector in an accessible service location within or adjacent to the battery compartment.
6. Install the protective connector cap when the diagnostic connector is not in use.
7. Verify the cable is properly secured and that sufficient slack exists to prevent strain on the connector, wiring harness, and mounting points.



Final Inspection:

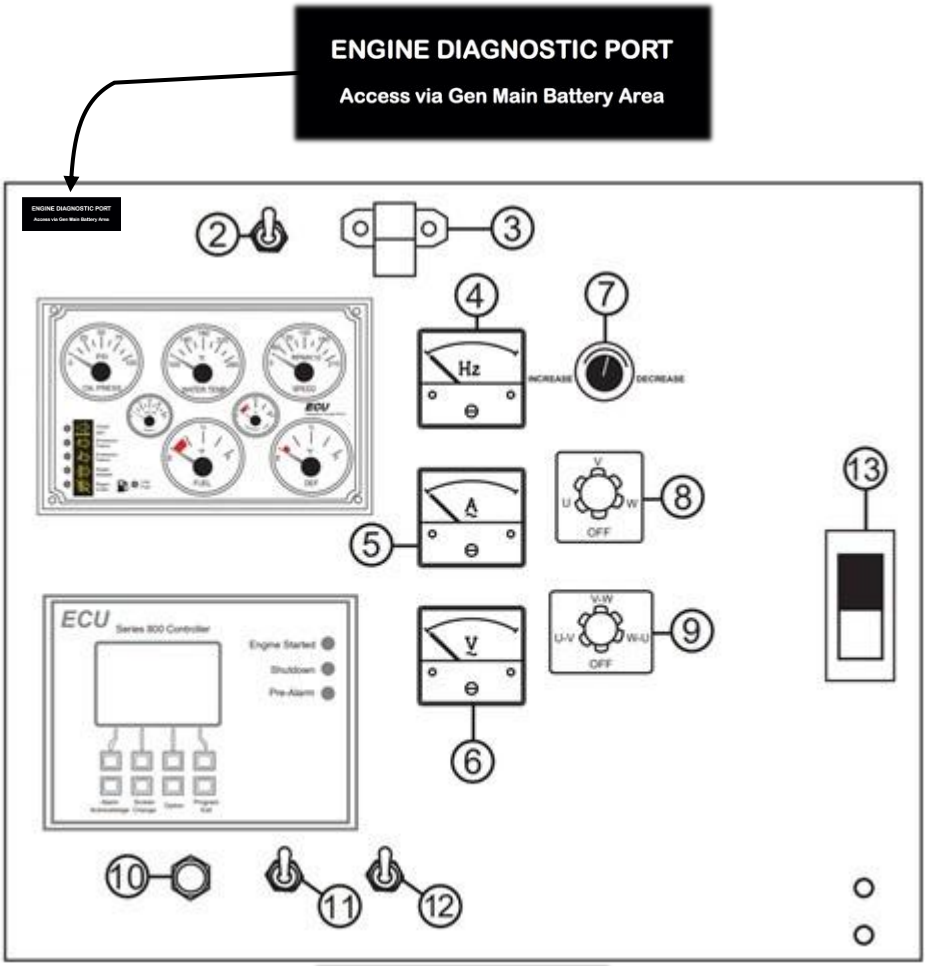
- Verify OBD2 extension harness is routed and secured
- Verify the diagnostic connector cap is installed
- Reconnect the battery negative cable
- Confirm no wiring interference exists when closing the control panel
- Return the generator to service

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Placement of the decal should be made in an open space in the upper operator panel area



DCA70 In Example

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