Technical Information

Product Group: GENERATORS
Model: DCA TIER 3 AND TIER 4 ISUZU

This bulletin is provided for technical reference and service related updates. If you have any questions, comments or do not wish to receive these e-mails, please reply to this e-mail or call the Service Technical Support Group 800 478-1244.

ISUZU CLEARING DTC PROCEDURE

The Isuzu engine ECM (engine control module) will signal the generator operator of an engine fault via a FLASH CODE at the warning lamp on the control panel. This flash code will allow the service technician to determine the cause of error or shutdown. Once the repair is made, under normal circumstances the fault code is cleared after 20 start-stop cycles of the unit. In the event a code does not clear or the engine cannot be started, a temporary jumper wire or a memory clear switch can be installed. Multiquip recommends **using an Isuzu Diagnostic Scan Tool (MQ Item # MQPISUZUSERVTOOL) to read and clear fault codes. If it's** not available, this is the manual method of clearing engine codes.

Prior to clearing the memory, always write down any codes for your service records.

The following is a guide to assist the service technician in installing a momentary switch or a temporary jumper wire to be used to clear DTC that are stored or active in the ECM. **NOTE: Active codes that have not been repaired will reappear**.

1) Locate the **V32** wire in Tier 3/Tier 4i units or locate the **V53** wire in Tier 4F units. (see locations page 2)
2) Find a suitable chassis ground, usually in the lower plate of the control panel. (M8 metric bolt with green wires)
3) Source a ground jumper wire, connect one end to the ground source in step 2, strip the other end so it can make contact with V32/V53
4) Turn on Diagnostic Switch
5) Hold down the Diagnostic Button
6) Connect the ground wire to V32/V53 for 5 seconds.
7) Disconnect the ground; release the Diagnostic button and Shutoff the Diagnostic switch.
8) Let the unit rest for 1 minute while you disconnect the ground (if temporary) and close the panel.
9) With panel closed start and operate the unit as normal if the code persists a more in-depth diagnosis is required.

IMPORTANT: ALL ADJUSTMENTS MUST BE MADE BY A QUALIFIED GENERATOR TECHNICIAN. MULTIQUIP IS NOT RESPONSIBLE FOR ANY DAMAGES TO EQUIPMENT AND / OR COMPONENTS AS A RESULT OF UNQUALIFIED PERSONNEL WORKING ON THE UNIT.

The Isuzu Diagnostic Scan Tool is available for purchase at our Sales Department item # MQPISUZUSERVTOOL

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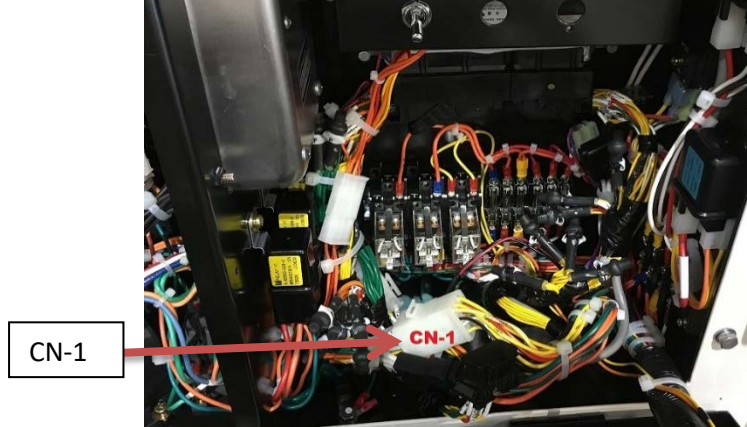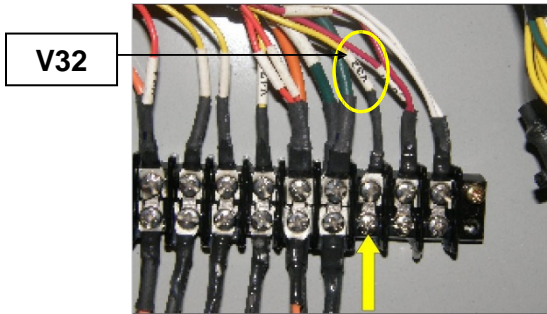
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Common Locations of V32 and V53

DCA400SSI4i

DCA25SSIU4F and DCA45SSIU4F

V32

CN-1

V53 is easily found at CN1, it connects in on the left side of the plug only.

If setting up a permanent code clearing toggle switch. Use a momentary switch, one side to ground and the other to V32/V53. If connecting to the right side of CN-1 use a .093 Molex brand female pin.

Notes

- Never start the engine with Diagnostic Switch in the on position, if after clearing a code and running the unit, the engine will not shut off normally make sure diagnostic switch is in the **OFF** position.

- The diagnostic light will flash out 1_1_1_1 if no codes are present, this confirms the bulb is good.

For assistance please contact Multiquip Technical Support (800) 835-2551 or mqptechsupport@multiquip.com