

MA: Continuous Memory Failure

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MA1 CONTINUOUS DTC P0603

Note: This DTC may have set if the PCM or the battery(s) were disconnected.

- Possible causes:
 - battery or PCM was disconnected
 - battery cables loose or poor connections
 - battery discharged
 - KAPWR circuit open
 - fuse
 - DTCs not cleared from a previous vehicle repair
 - PCM
- Check and repair all other DTCs.
- Key off.
- Disconnect all diagnostic test equipment.
- Disconnect the battery(s).
- Wait 45 seconds.
- Reconnect the battery(s).
- Key on, engine running.
- Wait 45 seconds.
- Cycle key off and then on.
- Clear DTCs.
- Cycle key off and then on.
- Retrieve the Continuous DTCs.

Is DTC P0603 present?

Yes	No
GO to MA2 .	UNABLE to duplicate concern. REPAIR all other DTCs as necessary. RESTORE the vehicle. CLEAR the DTCs and REPEAT the self-test.

MA2 CHECK THE KAPWR FUSE

Note: Refer to the wiring diagram at the beginning of this pinpoint test for fuse numbers.

- Key off.
- Measure the voltage between both sides of the KAPWR fuse and ground.

Is battery voltage present on both sides of the fuse?

Yes	No
GO to MA3 .	REPAIR as necessary. RESTORE the vehicle. CLEAR the DTCs and REPEAT the self-test.

MA3 CHECK THE PCM KAPWR CIRCUIT FOR VOLTAGE

- Key off.
- Disconnect the PCM.
- Measure the voltage between the PCM KAPWR circuit pin 55, harness side and ground.

Is the voltage greater than 10.5 volts?

Yes	No
RESTORE the vehicle. CLEAR the DTCs and REPEAT the self-test. If DTC P0603 is present again, INSTALL a new PCM. RESTORE the vehicle. CLEAR the DTCs and REPEAT the self-test.	REPAIR the open KAPWR circuit. RESTORE the vehicle. CLEAR the DTCs and REPEAT the self-test.
