

ENGINE (DIAGNOSTICS)(STI) > Diagnostic Procedure with Diagnostic Trouble Code (DTC)

DTC P2432 SECONDARY AIR INJECTION SYSTEM AIR FLOW /PRESSURE SENSOR CIRCUIT LOW

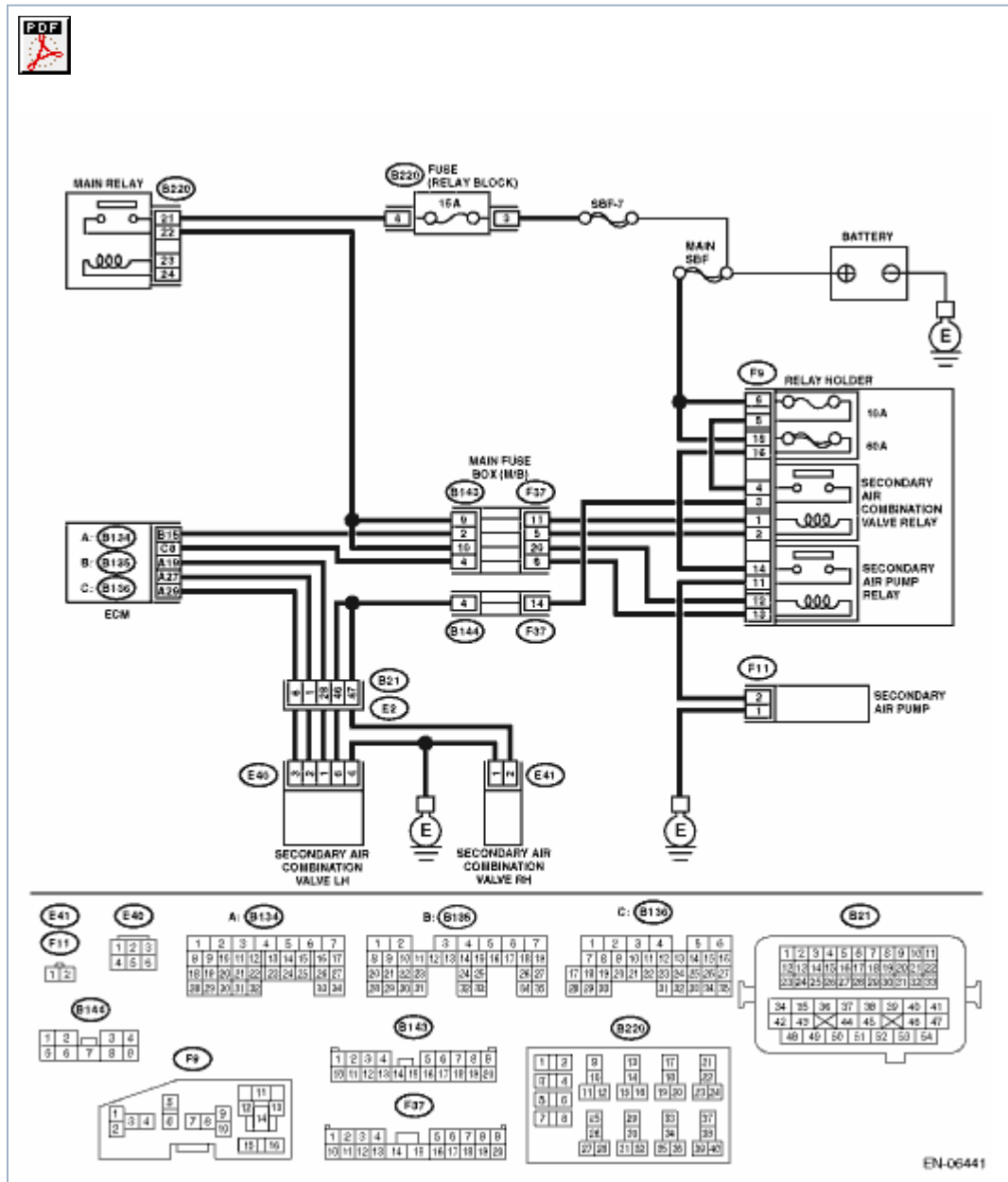
DTC DETECTING CONDITION:


Immediately at fault recognition



CAUTION:


After repair or replacement of faulty parts, perform Clear Memory Mode  and Inspection Mode .

WIRING DIAGRAM:



STEP	CHECK	YES	NO
1.CHECK CURRENT DATA. 1) Turn the ignition switch to ON. 2) Read the data of	Is the measured value less than 53.3 kPa (400 mmHg, 15.8 inHg) ?		Even if the malfunction indicator light illuminates, the circuit has returned to a normal condition at this time. Reproduce the

<p>secondary air pipe pressure signal using the Subaru Select Monitor or general scan tool.</p> <p>NOTE:</p> <ul style="list-style-type: none"> • Subaru Select Monitor For detailed operation procedures, refer to "READ CURRENT DATA FOR ENGINE". • General scan tool For detailed operation procedures, refer to the general scan tool operation manual. 			<p>failure, and then perform the diagnosis again.</p> <p>NOTE: In this case, temporary poor contact of connector may be the cause.</p>
<p>2.CHECK POWER SUPPLY OF SECONDARY AIR COMBINATION VALVE LH.</p> <ol style="list-style-type: none"> 1) Turn the ignition switch to OFF. 2) Disconnect the connector from the secondary air combination valve LH. 3) Turn the ignition switch to ON. 4) Measure the voltage between the secondary air combination valve LH connector and chassis ground. <p>Connector & terminal (E40) No. 1 (+) — Chassis ground (—):</p>	<p>Is the voltage 4.5 V or more?</p>		<p>Repair the harness and connector.</p> <p>NOTE: In this case, repair the following item:</p> <ul style="list-style-type: none"> • Open circuit in harness between ECM and secondary air combination valve LH connector • Poor contact in ECM connector • Poor contact of coupling connector
<p>3.CHECK HARNESS BETWEEN ECM AND SECONDARY AIR COMBINATION VALVE LH CONNECTOR.</p> <ol style="list-style-type: none"> 1) Turn the ignition switch to OFF. 2) Disconnect the connectors from the ECM. 3) Measure the resistance of the harness between the ECM and secondary 	<p>Is the resistance less than 1 Ω?</p>		<p>Repair the harness and connector.</p> <p>NOTE: In this case, repair the following item:</p> <ul style="list-style-type: none"> • Open circuit in harness between ECM and secondary air combination valve LH connector • Poor contact of coupling connector

air combination valve LH connector. Connector & terminal (B134) No. 27 — (E40) No. 2:			
4.CHECK HARNESS BETWEEN ECM AND SECONDARY AIR COMBINATION VALVE LH CONNECTOR. Measure the resistance between ECM and chassis ground. Connector & terminal (B134) No. 27 — Chassis ground:	Is the resistance 1 M Ω or more?		Repair the ground short circuit in harness between ECM and the secondary air combination valve LH connector.
5.CHECK POOR CONTACT. Check for poor contact in ECM or secondary air combination valve LH connector.	Is there poor contact in ECM or secondary air combination valve LH connector?	Repair the poor contact in ECM or secondary air combination valve LH connector.	Replace the secondary air combination valve LH. 