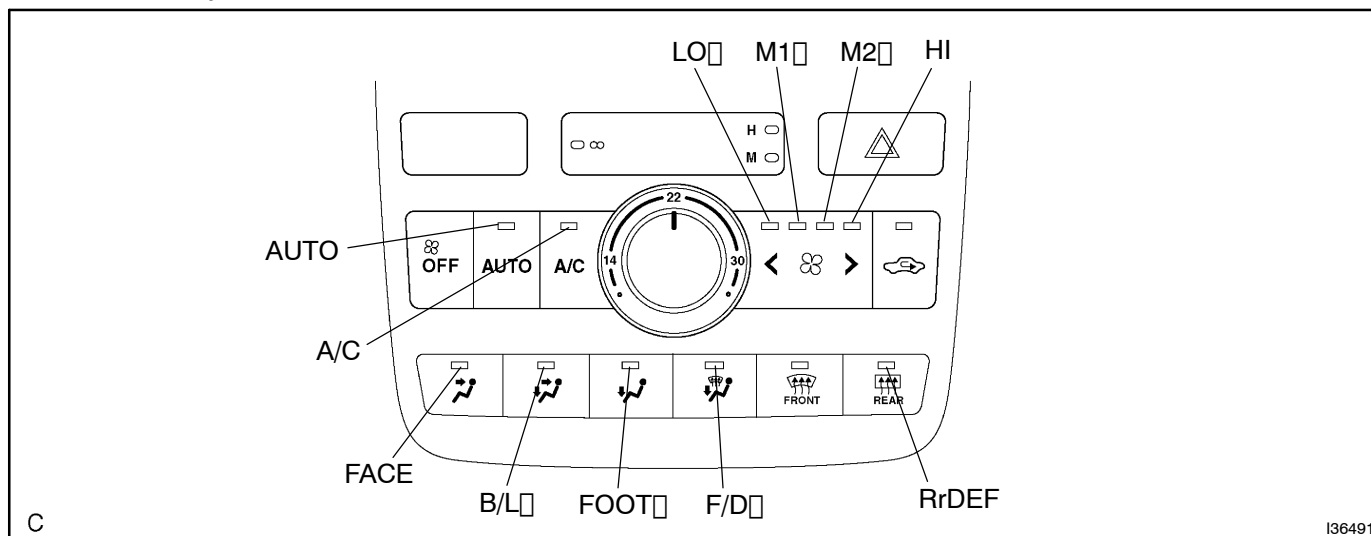


DIAGNOSTIC TROUBLE CODE CHART

HINT:

Indicator display, such as switches, substitutes DTC indication.



If a malfunction code is displayed during the DTC check (sensor check), check the circuit listed for that code in the table below (proceed to the page given for that circuit).

DTC No. (See Page)	Detection Item	Trouble Area	Memory
AUTO, RrDEF	Normal	—	—
AUTO, FACE *1 (05-864)	Open or short in room temperature sensor circuit	<ul style="list-style-type: none"> • A/C room temperature sensor • Harness or connector between A/C room temperature sensor and A/C amplifier • A/C amplifier 	○ (8.5 min. or more)
AUTO, B/L *2 (05-868)	Open or short in ambient temperature sensor circuit	<ul style="list-style-type: none"> • A/C ambient temperature sensor <p>RHD 2AZ-FE:</p> <ul style="list-style-type: none"> • Harness or connector between A/C ambient temperature sensor and ECM <ul style="list-style-type: none"> • ECM <p>Multiplex communication system</p> <p>LHD, RHD Except 2AZ-FE:</p> <ul style="list-style-type: none"> • Harness or connector between A/C ambient temperature sensor and A/C amplifier • A/C amplifier 	○ (8.5 min. or more)
AUTO, FOOT (05-875)	Open or short in evaporator temperature sensor circuit	<ul style="list-style-type: none"> • A/C evaporator temperature sensor • Harness or connector between A/C evaporator temperature sensor and A/C amplifier • A/C amplifier 	○ (8.5 min. or more)
RrDEF, FOOT (05-879)	Open or short in engine coolant temperature communication circuit	<ul style="list-style-type: none"> • Engine coolant temperature sensor • ECM • Harness or connector between engine coolant temperature sensor and ECM <p>Except 2AZ-FE model:</p> <ul style="list-style-type: none"> • Harness or connector between ECM and combination meter • Harness or connector between combination meter and A/C amplifier • Combination meter • A/C amplifier <p>2AZ-FE model:</p> <ul style="list-style-type: none"> • A/C amplifier • Multiplex communication system 	○ (8.5 min. or more)

DIAGNOSTICS – AIR CONDITIONING SYSTEM

AUTO,F/D *3 (05-883)	Open or short in solar sensor circuit	<ul style="list-style-type: none"> • A/C solar sensor • Harness or connector between A/C solar sensor and A/C amplifier • A/C amplifier 	○ (8.5 min. or more)
AUTO,A/C *4, *5 (05-887)	Open or short in compressor lock sensor circuit	<ul style="list-style-type: none"> • Cooler compressor assy • Cooler compressor assy drive belt • Cooler compressor assy and magnetic clutch lock sensor • Harness and connector between A/C amplifier and cooler compressor assy • A/C amplifier 	–
AUTO,LO (05-890)	<ul style="list-style-type: none"> • Open in pressure switch circuit • Abnormal refrigerant pressure: Below 196 kPa (2.0 kgf/cm², 28 psi) Over 3,140 kPa (32.0 kgf/cm², 455 psi) 	<ul style="list-style-type: none"> • Pressure switch • Harness or connector between pressure switch and A/C amplifier • Refrigerant pipe line • A/C amplifier 	–
AUTO,M1 (05-897)	Open or short in power source circuit air mix control servomotor circuit	<ul style="list-style-type: none"> • Air mix control servomotor • Harness or connector between air mix control servomotor and A/C amplifier • A/C amplifier 	○ (1 min. or more)
AUTO,M2 (05-901)	Open or short in power source circuit air inlet control servomotor circuit	<ul style="list-style-type: none"> • Air inlet control servomotor • Harness or connector between air inlet control servomotor and A/C amplifier • A/C amplifier 	○ (1 min. or more)
AUTO,HI (05-905)	Open or short in power source circuit air outlet control servomotor circuit	<ul style="list-style-type: none"> • Air outlet control servomotor • Harness or connector between air outlet control servomotor and A/C amplifier • A/C amplifier 	○ (1 min. or more)
RrDEF,M1 (05-909)	Air mix control servomotor value does not change even if A/C amplifier operates air mix control servomotor	<ul style="list-style-type: none"> • Air mix control servomotor • Harness or connector between air mix control servomotor and A/C amplifier • A/C amplifier 	○ (15 sec. or more)
RrDEF,M2 *6 (05-913)	Air inlet control servomotor value does not change even if A/C amplifier operates air inlet control servomotor	<ul style="list-style-type: none"> • Air inlet control servomotor • Harness or connector between air inlet control servomotor and A/C amplifier • A/C amplifier 	○ (15 sec. or more)
RrDEF,HI (05-920)	Air outlet control servomotor value does not change even if A/C amplifier operates air outlet control servomotor	<ul style="list-style-type: none"> • Air outlet control servomotor • Harness or connector between air outlet control servomotor and A/C amplifier • A/C amplifier 	○ (15 sec. or more)
RrDEF,A/C (05-924)	Open or short in room humidity sensor circuit	<ul style="list-style-type: none"> • A/C room humidity sensor (A/C room temperature sensor) • Harness or connector between A/C room humidity sensor (A/C room temperature sensor) and A/C amplifier • A/C amplifier 	○ (8.5 min. or more)
RrDEF,F/D *7 (05-928)	Multiplex communication circuit	<ul style="list-style-type: none"> • Open in multiplex communication circuit 	–

HINT:

- *1: If the room temperature is approximately –20°C (–4°F) or lower, DTC AUTO,FACE may be output even though the system is normal.
- *2: If the ambient temperature is approximately –50°C (–58°F) or lower, DTC AUTO,B/L may be output even though the system is normal.
- *3: If the check is being performed in a dark place, DTC AUTO,F/D (solar sensor circuit abnormal) may be displayed. In this case, perform DTC check again while illuminating the solar sensor with a light, such as an inspection light. If DTC AUTO, F/D is still displayed, there could be trouble in the solar sensor circuit.

- □ *4: This DTC is output only for models except 2AZ-FE.
Compressor lock (DTC AUTO, A/C) is indicated only for a current malfunction ([see page 05-887](#)).
To confirm DTC AUTO, A/C, perform the following steps.
 - (1) With the engine on, enter the DTC check mode.
 - (2) Press the R/F switch to enter actuator check mode.
 - (3) Press the AUTO switch to return to DTC check mode.
 - (4) The DTC is displayed after approximately 3 seconds.
- *5: LHD, RHD except 2AZ-FE models
- *6: Two way flow heater models
- *7: RHD 2AZ-FE models