

ELECTRICAL FAN CONTROL OPERATION [ZJ, Z6]

B3E014000140T45

- The PCM compares the duty ratios determined at the engine coolant temperature and refrigerant pressure controls and sends the higher duty ratio as the control signal to the fan control module.

Engine coolant temperature control

PCM output duty ratio	Engine operation conditions
90 %	• Engine coolant temperature is 108°C {226°F} or more.
0 %	• Engine coolant temperature is less than 98°C {208°F}.

Refrigerant pressure control

PCM output duty ratio	Engine operation conditions
70 %	<ul style="list-style-type: none"> • When all of the following conditions are met: <ul style="list-style-type: none"> - A/C is on. - Refrigerant pressure switch (medium pressure) is on.
48 %	<ul style="list-style-type: none"> • When all of the following conditions are met: <ul style="list-style-type: none"> - A/C is on. - Refrigerant pressure switch (medium pressure) is off. - Vehicle speed is 45 km/h {27 mph} or less.
40 %	<ul style="list-style-type: none"> • When all of the following conditions are met: <ul style="list-style-type: none"> - A/C is on. - Refrigerant pressure switch (medium pressure) is off. - Vehicle speed is 45-85 km/h {28-52 mph}.
0 %	<ul style="list-style-type: none"> • When all of the following conditions are met: <ul style="list-style-type: none"> - A/C is on. - Refrigerant pressure switch (medium pressure) is off. - Vehicle speed is 85 km/h {53 mph} or more. • A/C is off.

Override drive control

PCM output duty ratio	Engine operation conditions
90 %	<ul style="list-style-type: none"> • When any of the following conditions are met: <ul style="list-style-type: none"> - Test mode is on and accelerator pedal is fully depressed. - ECT sensor malfunction - Temperature in PCM is more than 105°C {221°F}