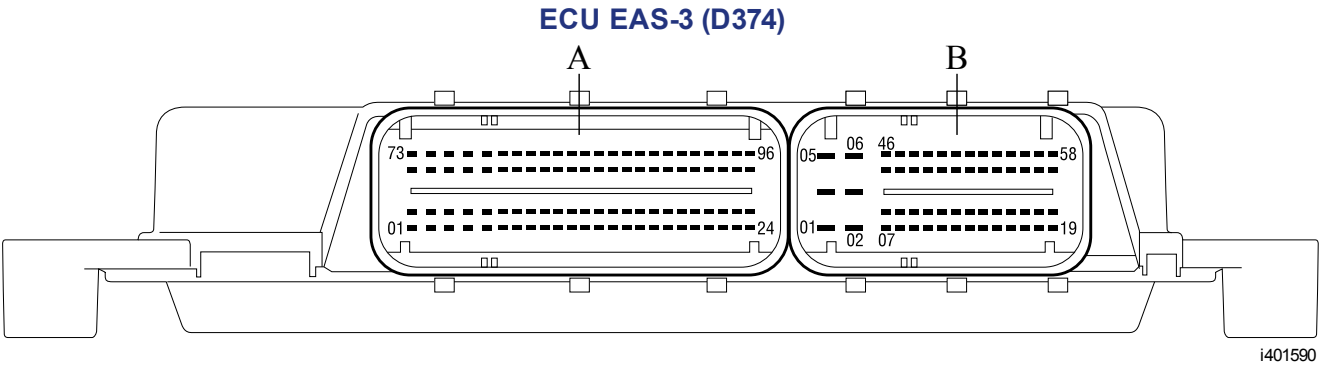


Sensor, Exhaust Temperature Before DPF (F839)



A	Electronic unit connection point				
B	Description of connection point				
C	Reading at connection point (Ubat = battery voltage)				
D	Measuring unit				
E	Explanatory notes (if applicable)				
F	The 'X' indicates that additional information is available in 'Technical Data.'				
A	B	C	D	E	F
A41	Ground, sensor exhaust temperature before DPF	<0.5	VDC		

A	Electronic unit connection point				
B	Description of connection point				
C	Reading at connection point (Ubat = battery voltage)				
D	Measuring unit				
E	Explanatory notes (if applicable)				
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A	B	C	D	E	F
B18	Signal, sensor exhaust temperature before DPF		VDC	Signal voltage depends on temperature. The sensor can be checked by unplugging the connector and measuring the resistance. See the table below.	X

Type of temperature sensor

NTC

Open voltage, measured with detached sensor connector

approximately 5 V

Resistance of temperature sensor with respect to measured temperature

Temperature (°C)	Temperature (°F)	Resistance value (Ω) ⁽¹⁾	
		Minimum	Maximum
-40 $\pm$ 10	-40 $\pm$ 18	91870	200807
-10 $\pm$ 10	14 $\pm$ 18	34493	64769
0 $\pm$ 10	32 $\pm$ 18	25941	46762
50 $\pm$ 10	122 $\pm$ 18	7895	12188
100 $\pm$ 10	212 $\pm$ 18	3206	4472
200 $\pm$ 10	392 $\pm$ 18	902	1116
300 $\pm$ 10	572 $\pm$ 18	384	445
400 $\pm$ 10	752 $\pm$ 18	207	231
500 $\pm$ 10	932 $\pm$ 18	129	140
550 $\pm$ 10	1022 $\pm$ 18	105.5	114
600 $\pm$ 10	1112 $\pm$ 18	88.1	94.5
650 $\pm$ 10	1202 $\pm$ 18	74.7	79.6
700 $\pm$ 10	1292 $\pm$ 18	64.2	68.1
800 $\pm$ 10	1472 $\pm$ 18	49.1	51.6

850 ±10	1562 ±18	43.5	45.6
900 ±20	1652 ±36	38	41.5
1000 ±20	1832 ±36	30.4	33.6

(1) Check the resistance by measuring at the sensor connections.

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