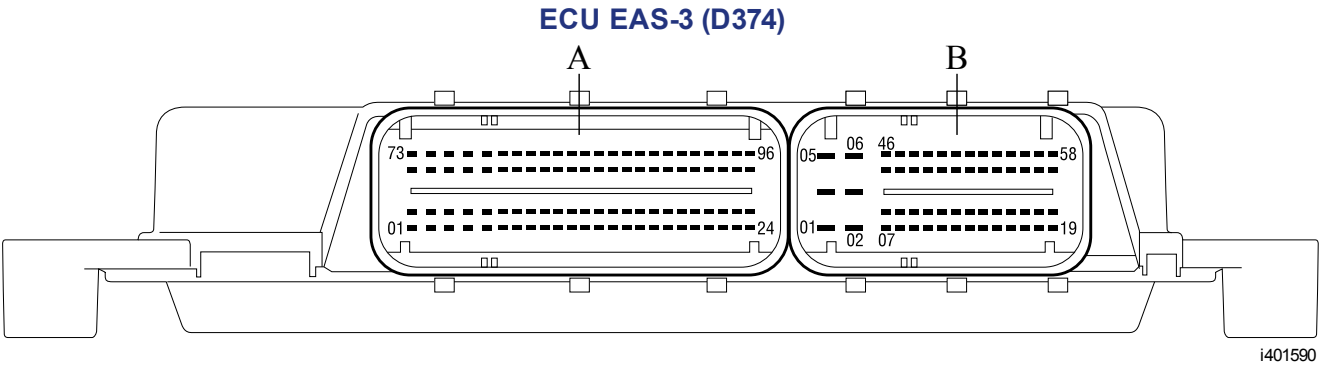


Sensor, Exhaust Temperature After SCR Catalyst (F842)



|     |                                                                                 |      |     |   |   |
|-----|---------------------------------------------------------------------------------|------|-----|---|---|
| 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 |
| A19 | Ground, sensor exhaust temperature after SCR catalyst                           | <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)                                               |  |  |  |  |
| F | The 'X' indicates that additional information is available in 'Technical Data.' |  |  |  |  |

| A   | B                                                     | C | D   | E                                                                                                                                               | F |
|-----|-------------------------------------------------------|---|-----|-------------------------------------------------------------------------------------------------------------------------------------------------|---|
| B31 | Signal, sensor exhaust temperature after SCR catalyst |   | 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  
Open voltage, measured with detached sensor connector

NTC  
approximately 5 V

#### Resistance of temperature sensor with respect to measured temperature

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