


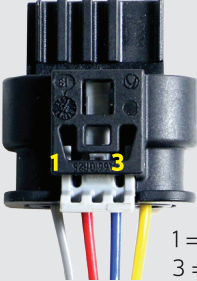


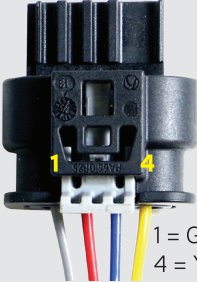

TESTING DEF TANK COMPONENTS

FOR BMW, VOLKSWAGEN AND PORSCHE

HEATING ELEMENT	CONNECTOR A	EXPECTED VALUE	EXPECTED RANGE	COMMON DTCs
	 <p>1 = White 2 = Red</p>		<p>Acceptable range is 2-4.5Ω</p>	<p>P20BE1B P20BD P209F</p>
TEMPERATURE SENSOR	CONNECTOR A	EXPECTED VALUE	EXPECTED RANGE	COMMON DTCs
	 <p>3 = White 4 = Black</p>		<p>10-11KΩ @ room temperature. Resistance will decrease as the temperature rises.</p>	<p>4D32 46F4 46F9 P205B P205C</p>
LEVEL SENSOR "LOW LEVEL TEST"	CONNECTOR B	EXPECTED VALUE	EXPECTED RANGE	COMMON DTCs
	 <p>1 = Grey 2 = Red</p>		<p>10KΩ with full or dry tank.</p>	<p>4BAC 4D10 P203A P203D P209F 203C11 203D12</p>

TESTING DEF TANK COMPONENTS

FOR BMW, VOLKSWAGEN AND PORSCHE

LEVEL SENSOR "HALF LEVEL TEST"	CONNECTOR B	EXPECTED VALUE	EXPECTED RANGE	COMMON DTCs
	 <p>1 = Grey 3 = Blue</p>		10KΩ with full or dry tank.	4BAC 4D10 P203A P203D P209F 203C11 203D12
LEVEL SENSOR "FULL TANK TEST"	CONNECTOR B	EXPECTED VALUE	EXPECTED RANGE	COMMON DTCs
	 <p>1 = Grey 4 = Yellow</p>		10KΩ with full or dry tank.	4BAC 4D10 P203A P203D P209F 203C11 203D12