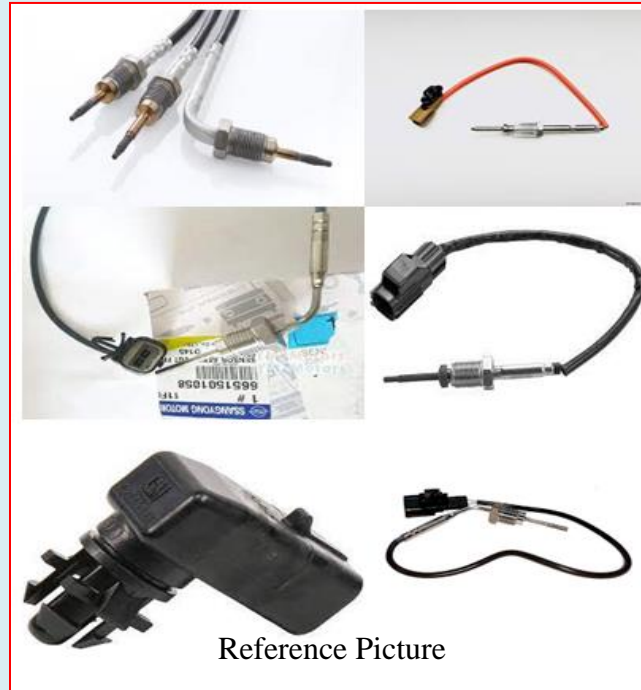




Components of Vehicle Air Conditioning

Made in China



Training Program:

Operating principle of refrigeration cycle:

1. Sunlight sensor
2. Exhaust gas sensor
3. Anti-frost sensor
4. Linear pressure sensor
5. Temperature sensor of conditioned air
6. External temperature sensor
7. Air door actuator
8. Electrical test
9. Troubleshooting;
10. Two-coloured schematic diagram with 7 LEDs for locating the components
11. Sunlight sensor with test points on power supply and on the output for measuring voltage versus luminosity
12. Air quality sensor with test points for measuring frequency and duty cycle versus the characteristics of actual or simulated air
13. Anti-frost sensor with simulation range of -5 dC, 0, + 5 dC and 10 dC;

Linear pressure sensor for simulating gas pressure with display of the influence on the condenser fan speed via a two-coloured warning light and compressor control using safety thresholds for lack or excess of pressure; Temperature sensor of conditioned air with selector and warning light for enabling heating by resistor. Test points for plotting the characteristic curve; External air temperature sensor with selector and warning light for enabling heating by resistor. Test points for plotting the characteristic curve; Air door actuator with test points on potentiometer output (indicating the door position) and on the power supply of engine controlled in bidirectional way

The fault insertion system enables to simulate electrical faults such as open sensor, sensor in short circuit to earth

1. Interconnection and test points? \varnothing 2 mm; Fault simulation;
2. 37-pin connector for connection with Control Unit SIS3-U/EV;
3. 8-way connector for connection with the power supply unit; Printed circuit with protective coating and silk-screen-printed schematic diagram;
4. Power Supply Unit: Vdc - 2A, \pm 12 Vdc - 0.5A.