

MANUFACTURER SENSOR MFG 1 WIRE 1 WIRE 1 WIRE 2 WIRE 2 WIRE 3 WIRE 3 WIRE 4 WIRE 4 WIRE FUNCTION

|                |          |        |                |                                  |                                  |  |  |
|----------------|----------|--------|----------------|----------------------------------|----------------------------------|--|--|
| General Motors | DELPHI   | VIOLET | VIOLET<br>PINK | VIOLET<br>BROWN<br>BROWN         | VIOLET<br>PINK<br>BROWN<br>BROWN | SIGNAL +<br>SIGNAL -<br>HEATER<br>HEATER |  |
|                | DENSO    | BLACK  | BLUE<br>WHITE  | BLUE<br>BLACK<br>BLACK           | BLUE<br>WHITE<br>BLACK<br>BLACK  | SIGNAL +<br>SIGNAL -<br>HEATER<br>HEATER |  |
|                | BOSCH    | BLACK  |                | BLACK                            | BLACK<br>GRAY<br>WHITE<br>WHITE  | SIGNAL +<br>SIGNAL -<br>HEATER<br>HEATER |  |
|                | AUTOLITE | BLACK  |                |                                  |                                  | SIGNAL +                                 |  |
|                |          |        |                |                                  |                                  |  |  |
| FORD           | BOSCH    | BLACK  |                | BLACK<br>WHITE<br>WHITE          | BLACK<br>GRAY<br>WHITE<br>WHITE  | SIGNAL +<br>SIGNAL -<br>HEATER<br>HEATER |  |
|                | DENSO    | BLACK  |                | BLUE<br>BLACK<br>BLACK           |                                  | SIGNAL +<br>SIGNAL -<br>HEATER<br>HEATER |  |
|                | NGK      | BLACK  |                | BLUE                             |                                  | SIGNAL                                   |  |
| CHRYSLER       | DENSO    | BLACK  | BLUE<br>WHITE  |                                  | BLUE<br>WHITE<br>BLACK<br>BLACK  | SIGNAL +<br>SIGNAL -<br>HEATER<br>HEATER |  |
|                | DELPHI   | VIOLET |                |                                  |                                  | SIGNAL +                                 |  |
|                | BOSCH    | BLACK  |                |                                  |                                  | SIGNAL -                                 |  |
| TOYOTA         | DENSO    | BLACK  | BLUE<br>WHITE  | BLACK<br>WHITE<br>BLACK<br>BLACK | BLUE<br>WHITE<br>BLACK<br>BLACK  | SIGNAL +<br>SIGNAL -<br>HEATER<br>HEATER |  |
| HONDA          | DENSO    | BLACK  |                |                                  | BLUE<br>WHITE<br>BLACK<br>BLACK  | WHITE<br>GREEN<br>BLACK<br>BLACK         | SIGNAL +<br>SIGNAL -<br>HEATER<br>HEATER |
|                | NGK      | BLACK  |                |                                  |                                  | WHITE<br>GREEN<br>BLACK<br>BLACK         | SIGNAL +<br>SIGNAL -<br>HEATER<br>HEATER |
|                | DELPHI   | VIOLET |                |                                  |                                  |  | SIGNAL +                                 |
|                |          |        |                |                                  |                                  |  |  |
| NISSAN         | U-JECS   | GREEN  |                | BLACK<br>WHITE<br>WHITE          | BLACK<br>RED<br>WHITE            | SIGNAL +<br>SIGNAL -<br>HEATER<br>HEATER |  |
|                | BOSCH    | BLACK  |                | BLACK<br>WHITE<br>WHITE          |                                  | SIGNAL +<br>SIGNAL -<br>HEATER<br>HEATER |  |

|            |        |                  |        |  |   |  |  |
|------------|--------|------------------|--------|--|---|--|--|
| MAZDA      | DENSO  | BLUE             |        |  | BLUE                                    | SIGNAL +<br>SIGNAL -<br>HEATER<br>HEATER |  |
|            |        | BLACK<br>BLACK   |        |  | WHITE<br>BLACK<br>BLACK                 |  |  |
|            | BOSCH  |                  |        |  | BLACK<br>GRAY<br>WHITE<br>WHITE         | SIGNAL +<br>SIGNAL -<br>HEATER<br>HEATER |  |
| MITSUBISHI | DENSO  | BLUE             |        |  | BLUE                                    | SIGNAL +<br>SIGNAL -<br>HEATER<br>HEATER |  |
|            |        | BLACK<br>BLACK   |        |  | WHITE<br>BLACK<br>BLACK                 |  |  |
|            | BOSCH  |                  |        |  | BLACK<br>GRAY<br>WHITE<br>WHITE         | SIGNAL +<br>SIGNAL -<br>HEATER<br>HEATER |  |
| SUZUKI     | DENSO  | BLACK            |        |  | BLUE<br>WHITE<br>BLACK<br>BLACK         | SIGNAL +<br>SIGNAL -<br>HEATER<br>HEATER |  |
|            |        |                  |        |  |   |  |  |
|            | DELPHI | VIOLET           |        |  | VIOLET<br>BROWN<br>BROWN                | SIGNAL +<br>SIGNAL -<br>HEATER<br>HEATER |  |
| SUBARU     | U-JECS | GREEN RED ORANGE |        |  | BLACK BLACK<br>WHITE RED<br>WHITE WHITE | SIGNAL +<br>SIGNAL -<br>HEATER<br>HEATER |  |
|            |        |                  |        |  |   |  |  |
|            | BOSCH  |                  |        |  | BLACK<br>WHITE<br>WHITE                 | SIGNAL +<br>SIGNAL -<br>HEATER<br>HEATER |  |
|            |        | DENSO            | BLACK  |  |   |  | SIGNAL +                                 |
| ISUZU      | DENSO  | BLACK            |        |  | BLUE                                    | WHITE WHITE                              | SIGNAL +<br>SIGNAL -<br>HEATER<br>HEATER |
|            |        |                  |        |  | BLACK<br>BLACK                          | BLUE GREEN<br>BLACK BLACK<br>BLACK BLACK |  |
|            |        | DELPHI           | VIOLET |  |   | VIOLET<br>BROWN<br>BROWN                 | SIGNAL +<br>SIGNAL -<br>HEATER<br>HEATER |
|            |        | BOSCH            |        |  |   | BLACK<br>WHITE<br>WHITE                  | SIGNAL +<br>SIGNAL -<br>HEATER<br>HEATER |
| VW AUDI    | BOSCH  | BLACK            |        |  | BLACK                                   | BLACK GRAY<br>WHITE WHITE<br>WHITE WHITE | SIGNAL +<br>SIGNAL -<br>HEATER<br>HEATER |
| BENZ       | BOSCH  | BLACK            |        |  | BLACK                                   | BLACK GRAY<br>WHITE WHITE<br>WHITE WHITE | SIGNAL +<br>SIGNAL -<br>HEATER<br>HEATER |

|            |          |       |                |                                 |  |
|------------|----------|-------|----------------|---------------------------------|--|
| BMW        | BOSCH    | BLACK | BLACK          | BLACK GRAY                      | SIGNAL +<br>SIGNAL -<br>HEATER<br>HEATER |
|            |          |       | WHITE<br>WHITE | WHITE<br>WHITE                  |  |
| PORSCHÉ    | BOSCH    | BLACK | BLACK          | BLACK GRAY                      | SIGNAL +<br>SIGNAL -<br>HEATER<br>HEATER |
|            |          |       | WHITE<br>WHITE | WHITE<br>WHITE                  |  |
| ALFA-ROMEO | BOSCH    | BLACK | BLACK          | BLACK GRAY                      | SIGNAL +<br>SIGNAL -<br>HEATER<br>HEATER |
|            |          |       | WHITE<br>WHITE | WHITE<br>WHITE                  |  |
| VOLVO      | BOSCH    | BLACK | BLACK          | BLACK GRAY                      | SIGNAL +<br>SIGNAL -<br>HEATER<br>HEATER |
|            |          |       |                | WHITE<br>WHITE                  |  |
| SAAB       | BOSCH    |       | BLACK          | BLACK GRAY                      | SIGNAL +<br>SIGNAL -<br>HEATER<br>HEATER |
|            |          |       | WHITE<br>WHITE | WHITE<br>WHITE                  |  |
| RENAULT    | BOSCH    | BLACK | BLACK          | BLACK GRAY                      | SIGNAL +<br>SIGNAL -<br>HEATER<br>HEATER |
|            |          |       | WHITE<br>WHITE | WHITE<br>WHITE                  |  |
|            | AUTOLITE | BLACK |                |                                 |  |
| JAGUAR     | BOSCH    |       | BLACK          |                                 | SIGNAL +<br>SIGNAL -<br>HEATER<br>HEATER |
|            |          |       | WHITE<br>WHITE |                                 |  |
|            | DENSO    |       | BLUE<br>WHITE  | BLUE<br>WHITE<br>BLACK<br>BLACK |  |
| HYUNDAI    | KEFICO   |       | BLACK<br>GRAY  | BLACK<br>GRAY<br>WHITE<br>WHITE | SIGNAL +<br>SIGNAL -<br>HEATER<br>HEATER |
|            | DENSO    | BLACK |                |                                 |  |
|            | NGK      |       |                |                                 |  |
| KIA        | DENSO    | BLACK |                | BLUE<br>WHITE<br>BLACK<br>BLACK | SIGNAL +<br>SIGNAL -<br>HEATER<br>HEATER |
|            | BOSCH    |       | BLACK          | BLACK<br>GRAY<br>WHITE<br>WHITE |  |