

Alternative Dash Notes

Triggering a lamp for ABS where fitting alternative dash assemblies confuses people
It is simply that the signal from the ABS needs to be inverted for aftermarket dash units
This can be achieved with either a transistor or a small relay

A better solution would be to have a separate ABS lamp with the ABS switch, the wiring is to earth one side of the lamp so that power is supplied from the ABS. An LED would be best as the current output capability of the signal from the ABS on pin 21 is unknown

The ABS switch is a momentary action switch, a switch with a lamp would be possible

Koso – RX2N and RX2 have lamps, triggering depends on the lamp

Acewell – ACE-7X59/7Y59 have 8 LED's for warning lamps

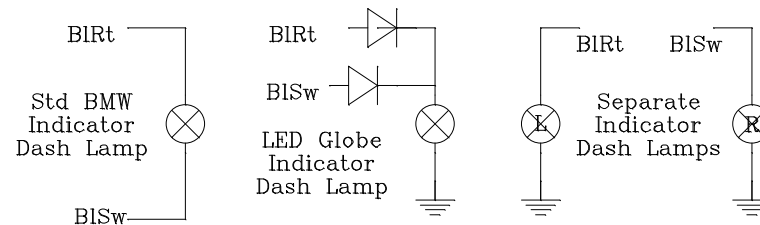
Trailtech – Vapor and Voyager have no lamp inputs for use with ABS or other warning lamps

650GS Speed and RPM

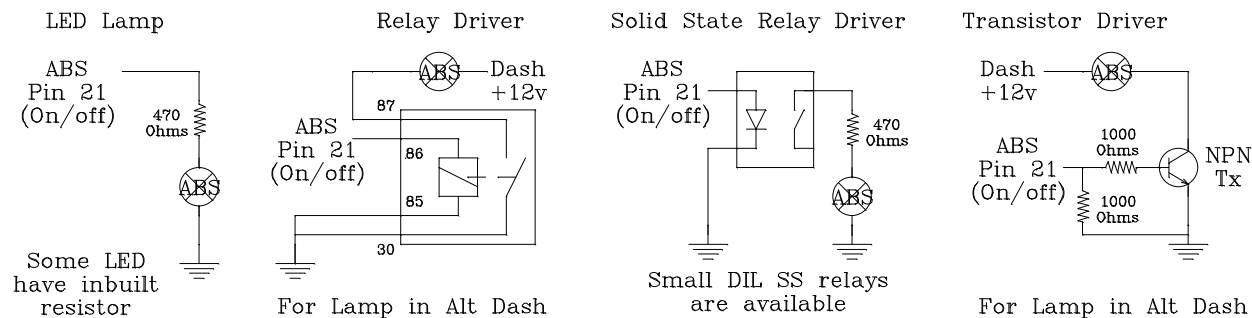
Connect RPM Sensor input to Pin 4 of X9001 Dash Connector

Connect Speed sensor input to Pin 3 and Pin 12 of X9001 Dash Connector (may work)

Dash Indicator Lamp Circuits



ABS Interface Circuits

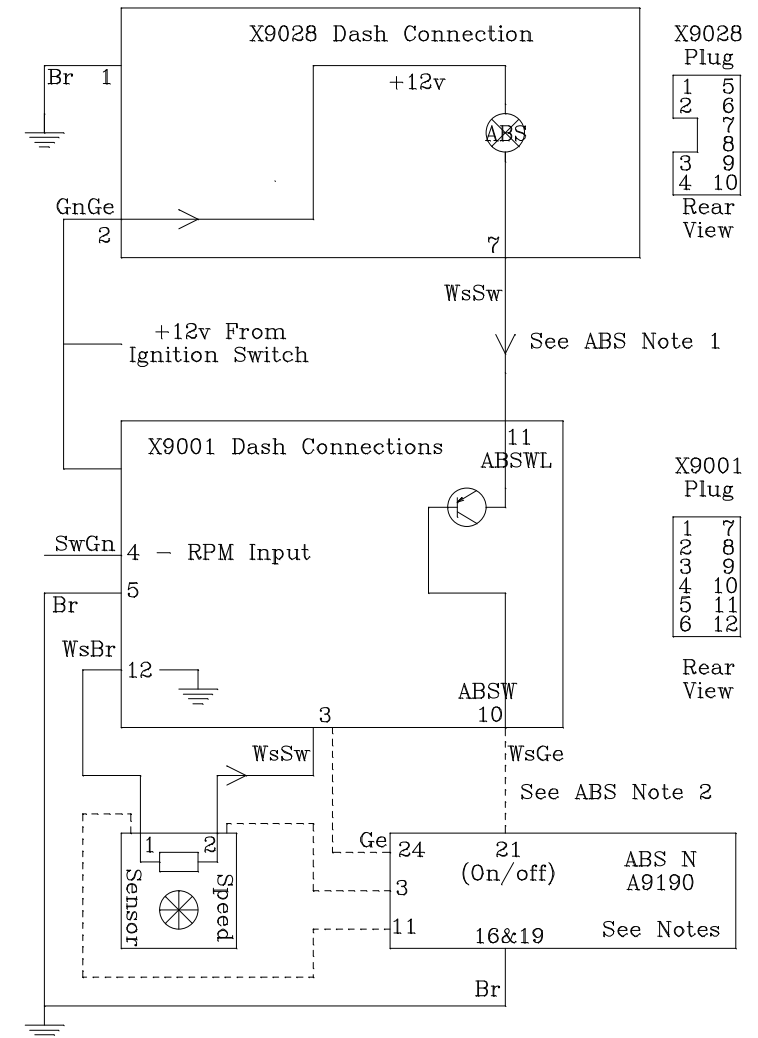


ABS Notes

1. Signal from Dash Pin 11 goes to earth when ABS is off
2. ABS Pin 21 signal goes high (12v) when ABS is off
- 3.

General Notes

1. The info is collected from BMW diagrams only and needs physical machine cross checking
2. Dash Speedo signal comes from ABS Pin 24 on ABS equipped machines (dotted lines)
3. Wiring diagram shows GnGe for power to Dash, actual harness wire color is GnBl



STD ABS-Dash Wiring

Arrows indicate current direction

ABS – Dash Wiring F650GS 05-07		
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