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FUEL LEVEL INDICATION SYSTEM

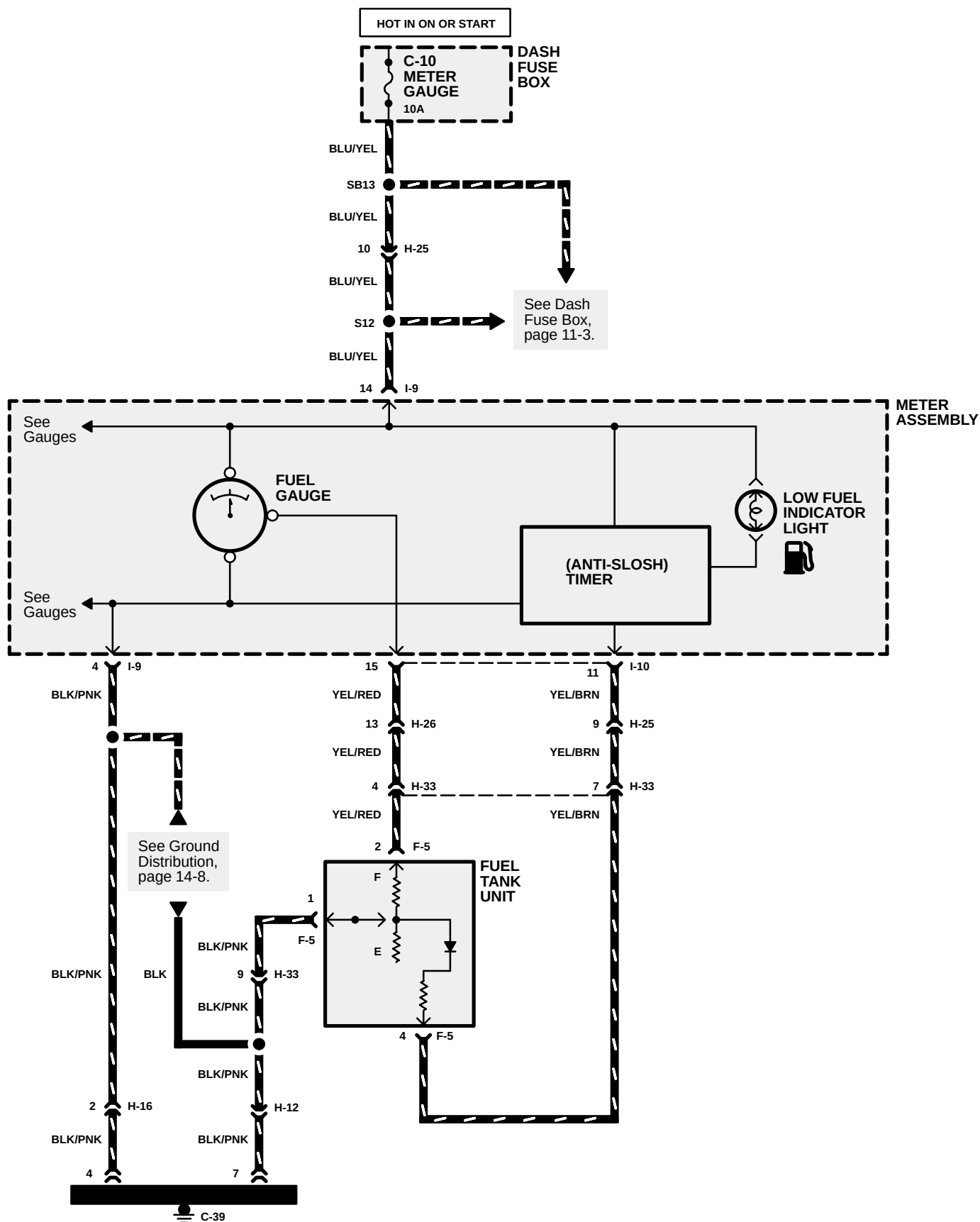
Component Index

- Dash Fuse Box
- Fuel Tank Unit

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FUEL LEVEL INDICATION SYSTEM

Circuit Schematic



FUEL LEVEL INDICATION SYSTEM

Component Location Index

(Refer to Section 201 for photographs.)

Component	Photo No.
Dash Fuse Box	Behind left dash side trim panel 51
Fuel Tank Unit	Beneath rear of vehicle, in right front of fuel tank 100
Connector	
H-12 (20-WHT)	Below I/P, above right dash side trim panel, on bracket 69
H-25 (22-BLU)	Below I/P, above left dash side trim panel, on bracket 54
H-26 (20-WHT)	Below I/P, above left dash side trim panel, on bracket 54
H-33 (14-WHT)	In floor, below right front seat 110
I-9 (16-BLK)	On left rear of meter assembly 45
I-10 (16-WHT)	On right rear of meter assembly 45
Ground	
C-39	Right rear corner of engine compartment, on inner fender panel 40

Circuit Operation

Fuel Gauge

The fuel gauge consists of two intersecting coils wound around a permanent magnet rotor. When voltage from fuse C-10 is applied to the coils, a magnetic field is generated. This causes the rotor to rotate and the gauge needle to move. The magnetic field is controlled by the fuel tank unit. The fuel tank unit's resistance varies from approximately 17 ± 0.8 ohms with fuel tank full to 120 ± 5 ohms with the tank empty.

Low Fuel Warning Light

When there is an adequate amount of the fuel in the fuel tank, current flow is directed to ground C-39 in the fuel tank unit and the low fuel warning light will not go on. When the fuel level becomes low, current flow is allowed through the fuel tank unit to the (anti-slosh) timer in the meter assembly which in turn illuminates the low fuel indicator light by grounding it, thereby warning the driver.