

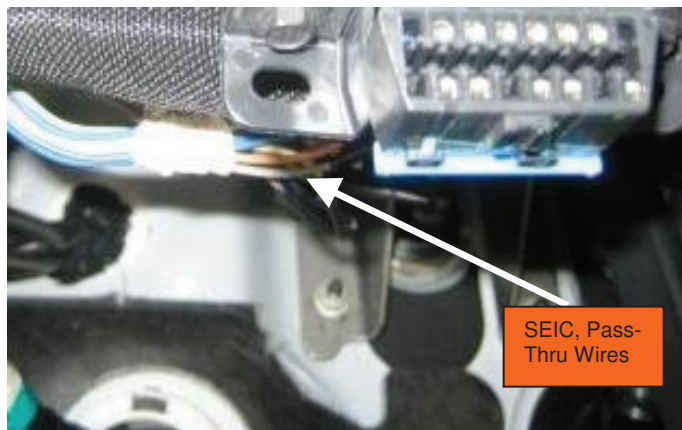
Wire Locations

SEIC circuits, Customer Access Signal Circuits, Pass-Thru Wires.

F250/350/450/550

Cabin / Instrument Panel

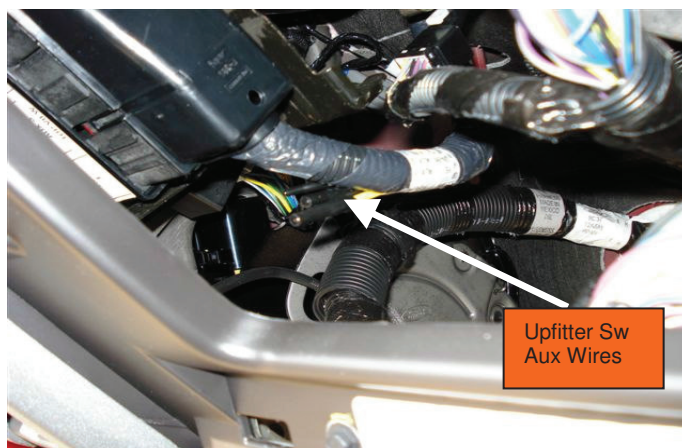
- Blunt-cut access wires for SEIC, "Customer Access" signal circuits for CTO, VS_OUT, PARK, TRO_N, and 4 pass-thru wires, are bundled together at the harness above the parking brake pedal assembly behind the data link connector.



F250/350/450/550

Cabin / Instrument Panel

- Blunt-cut access wires for the 4 optional "Upfitter Switches" are taped on a harness near the relay pack that can be found beneath the instrument panel and to the left of the steering column.



F250/350/450/550

Engine Compartment

- The 4 blunt-cut pass-thru wires are found in the harness below the cowl, just outboard of the brake master cylinder, as shown.



Battery Voltage Sources (VPWR)

F-250/350/450/550

Circuit Intent	Wire Tag	Description
Ignition Hot-in-RUN		Circuit no. CBP44 Wire Color: Purple • A fused 10 amp circuit. • Found: Blunt-cut & taped, on the harness behind the Diagnostic Link Connector.
Ford upfitter switches: Ign-Hot-ACC	Aux-1 Aux-2 Aux-3 Aux-4	[30-amp] Circuit No. CAC05 Wire Color: Yellow [30-amp] Circuit No. CAC06 Wire Color: Green / Brown [10-amp] Circuit No. CAC07 Wire Color: Violet Green [15-amp] Circuit No. CAC08 Wire Color: Brown • Found: above and to the right of parking brake release handle by the relay pack.
Hot-at-all-times	Fuse #7 (BJB) Fuse #8 (BJB) Fuse #14 (SJB) Fuse #16 (SJB)	[30-amp] Circuit No. SBB07 Wire Color: White / Red [30-amp] Circuit No. SBB08 Wire Color: Violet / Red [10-amp] Circuit No. SBP14 Wire Color: Brown / Red [15-amp] Circuit No. SBP16 Wire Color: Violet / Red • Found: at Battery Junction Box (BJB) and Smart Junction Box (SJB).

E-250/350/450

Circuit Intent	Wire Tag	Description
Hot-at-all-times	(no tag)	Circuit no. 1507 Wire Color: White / Red • A fused 30 amp circuit. • Found: at 4-pin connector above the brake master cylinder, part of Modified Vehicle Wiring.
Ignition Hot-in-RUN	(no tag)	Circuit no. 0049 Wire Color: Orange • A fused 30 amp circuit. • Found: at 4-pin connector above the brake master cylinder, part of the Modified Vehicle Wiring.

SEIC Resistor Charts

Diesel Engine		
Engine Target Speed (RPM)	Resistor (Ohms) (5%, 1 Watt)	Voltage (volts) (± 0.0875 v)
680 (Base)		
1200	Open Circuit	
1200	43K	
1260	27K	0.6875
1320	22K	0.8875
1380	16K	1.0875
1440	13K	1.2875
1500	11K	1.4875
1560	9K	1.6875
1620	7.5K	1.8875
1680	6.2K	2.0875
1740	5.6K	2.2875
1800	4.7K	2.4875
1860	3.9K	2.6875
1920	3.3K	2.8875
1980	2.7K	3.0875
2040	2.4K	3.2875
2100	2.0K	3.4875
2160	1.6K	3.6875
2220	1.3K	3.8875
2280	1.0K	4.0875
2340	750	4.2875
2400	510	4.4875

Gas Engine		
Engine Target Speed (RPM)	Resistor (Ohms) (5%, 1 watt)	Voltage (volts)
650 (Base)		
900	Open Circuit	0.00
912	3.9K	
1024	2.7K	3.61
1056	2.2K	4.18
1184	1.8K	4.80
1264	1.5K	5.39
1440	1.0K	6.76
1536	820	7.43
1648	680	8.06
1712	560	8.70
1792	470	9.25
1904	380	9.89
1936	330	10.27
2000	270	10.75
2064	220	11.20
2128	180	11.60
2160	150	11.90
2208	120	12.23
2256	100	12.46
2320	0	13.77
	(closed circuit)	