

TEC ³ Wiring Connections									
Harness	Wire AWG	Wire Color	Source Termination	Location	Purpose	Target Location	Description	Comments	Connector
TEC ³ Main	10	Black	Power Connector	N/A	Full-time Battery Ground	Battery Grounding Post	Fabricate a special battery grounding post in engine compartment connected directly from negative battery terminal. Locate near main fuse box. Drill and tap for multiple connections. Run black wire from TEC ³ power connector to this block.		2-Circuit connector to TEC ³ (supplied)
TEC ³ Main	16	Red	Power Connector	N/A	Full-time Battery Positive (+12V)	Main power studs in fuse box	Run red wire from TEC ³ power connector up through bottom of fuse box and use a ring connector (#10 hole size) to attach.		2-Circuit connector to TEC ³ (supplied)
TEC ³ Power Harness	10	Red	Power Harness	Power Harness Relays	Full-time Battery Positive (+12V)	Main power studs in fuse box	Run red wire from TEC ³ Power Harness up through bottom of fuse box and use a ring connector (#10 hole size) to attach.		3-circuit Mate-N-Lok connector with 10AWG, 18AWG, and 20AWG pins.
TEC ³ Power Harness	18	Black	Power Harness	Power Harness Relays	Full-time Battery Ground	Battery Grounding Post	Connect to special ground post		3-circuit Mate-N-Lok connector with 10AWG, 18AWG, and 20AWG pins.
TEC ³ Power Harness	20	Yellow	Power Harness	Power Harness Relays	Switched +12v Power	Main Fuse Box	Black w/Orange 20AWG feed from OEM harness to pin 3 on main ignition relay		3-circuit Mate-N-Lok connector with 10AWG, 18AWG, and 20AWG pins.
TEC ³ Power Harness	20	Yellow	Power Harness	2A Fuse	G5	TEC ³	Splice into matching wire from pin G5		Solder joint with heat shrink tube
TEC ³ Power Harness	20	Light Green	Power Harness	Fuel Pump Relay Ground	G20	TEC ³	Splice into matching wire from pin G20		Solder joint with heat shrink tube
TEC ³ Power Harness	16	Light Green	Power Harness	Fuel Pump Fuse	Fuel Pump Positive	At Fuel Pump Resistor connector	Splice into Blue w/Black fuel pump wire at fuel pump resistor. Pin 6 of BM1.	Remove OEM Fuel Pump Relay and resistor pack on trunk firewall	3-circuit Mate-N-Lok connector with 12AWG, 16AWG, and 18AWG pins.
TEC ³ Power Harness	12	Red w/White	Power Harness	20A Fuse for DFUs	DFU Power	Pin D on DFU assembly	Installs into Pin D on DFU connector		3-circuit Mate-N-Lok connector with 12AWG, 16AWG, and 18AWG pins.
TEC ³ Power Harness	18	Purple w/White	Power Harness	15A Fuse for Fuel Injectors	Fuel Injectors	Fuel Injector wiring harness	Splice into new harness for fuel injector power (common to all injectors)		3-circuit Mate-N-Lok connector with 12AWG, 16AWG, and 18AWG pins.
TEC ³ Gray Harness	20	Brown	G1	Gray Harness	Tachometer Amplifier	MSD 8920 Tach Amplifier and AVCR	Connect to White wire of tachometer amplifier and Purple wire of AVCR		
TEC ³ Gray Harness	20	Pink	G2	Gray Harness	Check Engine Lamp	Green w/White wire	Splice into Green w/White wire on Pin 5 of 22-pin ECU connector		
TEC ³ Gray Harness	18	Gray w/Red	G3	Gray Harness	Power Source for TPS & MAP sensors	TPS & MAP sensor Connectors	To Terminal C of Electromotive-supplied MAP connector; splice to Red w/Blue lead on OEM TPS connector	Locate another splice point?	
TEC ³ Gray Harness	22	Black	G4	Gray Harness	Crank Sensor Ground	Crank Sensor ground wire	Splice to ground wire from crank sensor	This wire is enclosed in a black sleeve, along with a red wire and wire shield	
TEC ³ Gray Harness	22	Black	G4	Gray Harness	Cam Sensor Ground	Cam Sensor ground wire	Splice to Blue ground wire from cam sensor	This wire is enclosed in a black sleeve, with the tag "CAM", along with a red wire and wire shield	
TEC ³ Gray Harness	20	Yellow	G5	Gray Harness	Switched +12v signal	Power Harness	Splice to yellow 20 AWG wire from Power Harness		
TEC ³ Gray Harness	20	Tan	G6	Gray Harness	Oxygen Sensor Ground (-)	O2 Sensor connector	Splice to Brown wire from OEM O2 sensor connector		
TEC ³ Gray Harness	20	Violet	G7	Gray Harness	Oxygen Sensor Positive (+)	O2 Sensor connector	Splice to Black wire from OEM O2 sensor connector		
TEC ³ Gray Harness	20	Orange	G8	Gray Harness	Knock Sensor	Knock Sensor on Engine block	Splice to lead on Knock Sensor		
TEC ³ Gray Harness	22	Red	G9	Gray Harness	Crank Sensor Input	Crank Sensor signal wire	Splice to signal wire from crank sensor	This wire is enclosed in a black sleeve, along with a black wire and wire shield	
TEC ³ Gray Harness	22	Red	G10	Gray Harness	Cam Sensor Input	Cam Sensor signal wire	Splice to Black signal wire from cam sensor	This wire is enclosed in a black sleeve, with the tag "CAM", along with a black wire and wire shield	

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TEC ³ Gray Harness	22	Bare	G11	Gray Harness	Crank Sensor Shield	Crank Sensor	Splice to Crank Sensor shield wire	This wire is enclosed in a black sleeve, along with a red wire and a black wire	
TEC ³ Gray Harness	22	Bare	G11	Gray Harness	Cam Sensor Shield	Cam Sensor	No connection necessary	This wire is enclosed in a black sleeve, with the tag "CAM", along with a red wire and a black wire. Cam sensor does not use a shield wire, but this does not need to be terminated to have a beneficial effect.	
TEC ³ Gray Harness	20	Gray	G12	Gray Harness	Coolant Sensor Input	Coolant Sensor signal wire	Connect to coolant sensor signal pin in supplied connector		
TEC ³ Gray Harness	20	White	G13	Gray Harness	MAT Sensor Input	MAT sensor signal wire	Connect to Terminal A of Electromotive-supplied MAT connector	White wire is signal wire on Electromotive connector	
TEC ³ Gray Harness	20	Dark Blue	G14	Gray Harness	TPS Input	TPS signal wire	Splice to White signal wire on OEM TPS connector		
TEC ³ Gray Harness	20	Dark Green	G15	Gray Harness	MAP Sensor Input	MAP Sensor signal wire	Connect to Terminal B of Electromotive-supplied MAP connector		
TEC ³ Gray Harness	20	Orange w/Black	G16	Gray Harness	A/C Clutch (General Purpose Input No. 1)	A/C Clutch	Splice into Black w/White wire on OEM A/C Clutch single-wire connector		
TEC ³ Gray Harness	20	Orange w/Red	G17	Gray Harness	General Purpose Input No. 2				
TEC ³ Gray Harness	20	Orange w/Green	G18	Gray Harness	General Purpose Input No. 3				
TEC ³ Gray Harness	20	Orange w/Blue	G19	Gray Harness	Speed Input (General Purpose Input No. 4)	Speed Input from Speedometer	Splice into Violet w/White wire at Pin 9 of 22-Pin OEM ECU Connector		
TEC ³ Gray Harness	20	Light Green	G20	Gray Harness	Fuel Pump Relay Ground	Fuel Pump Relay ground	Splice into 20 AWG Lt. Green wire on Power Harness (leading from Pin 85 on Electromotive FPR)		
TEC ³ Gray Harness	18	White w/Orange	G21	Gray Harness	Datalog Status Light Ground	No location yet		Optional	
TEC ³ Gray Harness	18	Black w/White	G22	Gray Harness	Sensor Ground	Engine Ground Point	Splits into 5 leads.	Select location. Keep two leads inside the trunk; run the other three into the engine bay.	
TEC ³ Gray Harness			G23		Unused				
TEC ³ Black Harness	16	White	B1	Black Harness	Coil Channel A	Connector A on DFU	Connect to Coil "A" connector on DFU	This wire is enclosed in a gray sleeve, along with a red wire and a black wire, marked "Use This"	
TEC ³ Black Harness	16	Red	B2	Black Harness	Coil Channel B	Connector B on DFU	Connect to Coil "B" connector on DFU	This wire is enclosed in a gray sleeve, along with a white wire and a black wire, marked "Use This"	
TEC ³ Black Harness	18	Black	B3	Black Harness	Coil Channel C	Not Used	Coil up and leave inside trunk	This wire is enclosed in a gray sleeve, along with a white wire and a red wire, marked "Use This". It is duplicated in another wire bundle in gray sheathing (marked "Do Not Use"), with a red wire	
TEC ³ Black Harness	18	Red	B4	Black Harness	Coil Channel D	Not Used	Coil up and leave inside trunk	This wire is enclosed in a gray sleeve, along with a black wire, marked "Do Not Use"	
TEC ³ Black Harness	18	Yellow w/Black	B5	Black Harness	Injector Channel 1	Cylinder No. 1 Injector	Connect to signal wire on Fuel Injector No. 1		
TEC ³ Black Harness	18	Yellow w/Red	B6	Black Harness	Injector Channel 2	Cylinder No. 3 Injector	Connect to signal wire on Fuel Injector No. 3		
TEC ³ Black Harness	18	Yellow w/Green	B7	Black Harness	Injector Channel 3	Cylinder No. 4 Injector	Connect to signal wire on Fuel Injector No. 4		
TEC ³ Black Harness	18	Yellow w/Blue	B8	Black Harness	Injector Channel 4	Cylinder No. 2 Injector	Connect to signal wire on Fuel Injector No. 2		
TEC ³ Black Harness	18	Light Blue w/Black	B9	Black Harness	Injector Channel 5	Not Used	Coil up and keep inside trunk		

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TEC ³ Black Harness	16	Bare	B10	Black Harness	Coil Wire Shield	Not Used		Not necessary to connect this to anything -- it is a shield wire	
TEC ³ Black Harness	20	Dark Blue w/White	B11	Black Harness	IAC Pin "D"	IAC Pin "D"	Connect to Electromotive-supplied IAC connector on Pin D		
TEC ³ Black Harness	20	Dark Blue w/Black	B12	Black Harness	IAC Pin "C"	IAC Pin "C"	Connect to Electromotive-supplied IAC connector on Pin C		
TEC ³ Black Harness	20	Dark Green w/White	B13	Black Harness	IAC Pin "B"	IAC Pin "B"	Connect to Electromotive-supplied IAC connector on Pin B		
TEC ³ Black Harness	20	Dark Green w/Black	B14	Black Harness	IAC Pin "A"	IAC Pin "A"	Connect to Electromotive-supplied IAC connector on Pin A		
TEC ³ Black Harness	18	Light Blue w/Red	B15	Black Harness	Injector Channel 6	Not Used	Coil up and keep inside trunk		
TEC ³ Black Harness		Not Used	B16						
TEC ³ Black Harness		Not Used	B17						
TEC ³ Black Harness	18	White w/Black	B18	Black Harness	General Purpose Output No. 1	Not Used		May be used later, possibly to shut down A/C compressor at specified RPM	
TEC ³ Black Harness	18	White w/Red	B19	Black Harness	General Purpose Output No. 2	Engine Bay Cooling Fans	Connect to rocker switch terminal on switched circuit (see fan circuit diagram)	Used to trigger I/C and decklid fans from coolant temperature sensor	
TEC ³ Black Harness	18	White w/Green	B20	Black Harness	General Purpose Output No. 3	Not Used		May be used later, possibly for a shift light	
TEC ³ Black Harness	18	White w/Blue	B21	Black Harness	General Purpose Output No. 4	Not Used		May be used later	
TEC ³ Black Harness	18	Light Blue w/Green	B22	Black Harness	Injector Channel 7	Not Used	Coil up and keep inside trunk		
TEC ³ Black Harness	18	Light Blue w/Blue	B23	Black Harness	Injector Channel 8	Not Used	Coil up and keep inside trunk		
N/A	18				Ground Wire for DFUs	Special Grounding Post			
AVCR Harness	22	Gray	Pin 1	AVCR Head Unit Connector	TPS signal	G14	Splice into Blue wire from G14 of TEC ³ Gray Harness		
AVCR Harness	22	Yellow	Pin 2	AVCR Head Unit Connector	Manifold Pressure	Pin 1 of AVCR Pressure Sensor	3-Circuit Connector matches Yellow wire to Pink wire of sensor		
AVCR Harness	22	Blue	Pin 3	AVCR Head Unit Connector	Manifold Pressure	Pin 3 of AVCR Pressure Sensor	3-Circuit Connector matches Blue wire to White wire of sensor		
AVCR Harness	22	Brown	Pin 4	AVCR Head Unit Connector	Manifold Pressure	Pin 2 of AVCR Pressure Sensor	3-Circuit Connector matches Brown wire to Gray wire of sensor		
AVCR Harness	22	White	Pin 5	AVCR Head Unit Connector	Speed signal	G19	Splice into Orange w/Blue wire from G19 of TEC ³ Gray Harness		
AVCR Harness	22	Violet	Pin 6	AVCR Head Unit Connector	RPM signal	G1	Splice into Brown wire from G1 of TEC ³ Gray Harness		
AVCR Harness	22	Orange	Pin 7	AVCR Head Unit Connector	Not Used	Not Used	Scramble Switch circuit		
AVCR Harness	22	Red	Pin 8	AVCR Head Unit Connector	Solenoid	Pin 1 of AVCR Solenoid and G5 of TEC ³ Gray Harness	2-Circuit Connector matches Gray 16AWG wire of solenoid connector. Also splice into Yellow wire from G5 of TEC ³ Gray Harness		
AVCR Harness	22	Black	Pin 9	AVCR Head Unit Connector	Ground	Engine Ground	Ground to same point as Green wire (Pin 10)		
AVCR Harness	22	Green	Pin 10	AVCR Head Unit Connector	Ground	Engine Ground	Ground to same point as Black wire (Pin 9)		
AVCR Harness	22	Pink	Pin 11	AVCR Head Unit Connector	Solenoid	Pin 2 of AVCR Solenoid	2-Circuit Connector matches Pink 16AWG wire of solenoid connector.		
None		Brown	TPS Connector	OEM TPS	Ground		Ground wire from OEM TPS connector		