

102086 Adapter Converter Wiring

Adapting the 1987-style CCCI Module to the 1985 Engine Wiring Harness

The 102086 Adapter uses all black wiring. Any wire color referenced below is associated with the GM OEM wire harness color scheme.

Note that the signal wire used on the CRANK Sensor feed for 1985 was Green, but in 1987, the color was inverted to Gray/Red. Conversely, the positive CRANK Sensor feed for 1985 was Gray/Red, but in 1987, the positive feed used a Green wire. This was an anomaly by GM, and it can be traced to a change in pin designations between the 1985 CRANK sensor and the 1987 CRANK sensor; the early sensor used a Weatherpack connector, Pin A-Sensor positive V, Pin B-Signal, and Pin C-Ground. However, in 1986, the sensor was changed to a Metripack style connector, Pin A being Signal and Pin B being sensor positive V. The engineering change between the years was not applied to the wire colors, so the positive signal wire color, which should have been a Gray/Red wire as with the CAM sensor, became the CRANK Signal wire instead. This has led to major confusion with the turbo cars. The standard color code protocol with GM products specifies a signal wire to be a solid color (Green, Blue, Yellow, Brown, White, etc.) and a positive device feed should have been Gray/Red as it is in the CAM sensor throughout the years. It is not, though, with regard to the CRANK sensor, so this should be noted.

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CCCI Conn	ENG Conn	Function	Wire Color 1987	Wire Color 1985
A	A	Spark Timing Output	White	White
B	B	Ignition Bypass Output	Tan/Black	Tan/Black
C	C	Spark Reference Pulse Input	Purple/White	Purple/White
D	F	Ignition Module GND Reference	Black/Red	Black/Red
E	D	TACH Output	White	White
F	G	CRANK Signal	*Gray/Red	*Dk. Green
G	H	CRANK Ground	Black	Black
H	J	CRANK Positive V	*Dk. Green	*Gray/Red
J	E	Fuel Injection Timing Input	Yellow	Yellow
K	L	CAM Signal	Blue	Blue
L	K	CAM Ground	Black	Black
M	P	COILS Positive +	Pink/Blk 16 gage	Pink/Blk 16 gage
N	M	CAM Positive V	Gray/Red	Gray/Red
P	N	MODULE Positive +	Pink/Blk 18 gage	Pink/Blk 18 gage
(1987)	(1985)	*NOTE color change between "hot air" engine and "intercooled" engine wiring.		
The "Hotwire Kit" (Caspers Part Number 102084) consists of a 14 gage relay output wire, fed to the 1987 style CCCI connector, pin M. The relay coil is energized by the P connection from the 1985 engine wiring.				