INSTALLATION INSTRUCTIONS
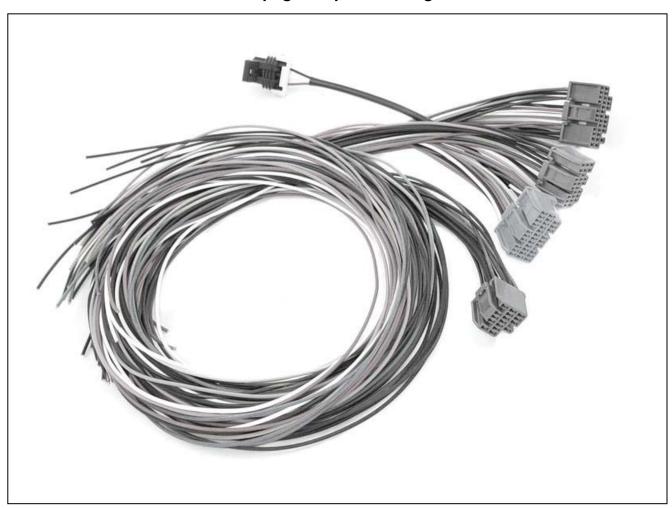## 108158 XFI Pigtail Assembly – General Installation

This kit is used when installing the XFI ECU into a typical V8 vehicle. Wiring inserted into the connectors will adequately permit normal installation. Wires are 36 in. long.

The kit is fitted with the 3 cavity connector that attaches to the FAST adapter, which then plugs into the serial port of your PC.

The most common wires are already terminated and inserted into the connectors. In some installations, you will need to add additional wiring for options such as analog inputs and outputs, power adders, etc. The kit is supplied with additional terminals which must be properly crimped to customer-supplied wires. It is recommended that you use 18 to 16 gage wire when adding any additional wires to the system.

See next page for pinout designators.

Cavity	Pre-wired	Description
A1	●	IPU CAM RETURN
A2	●	IPU CRANK RETURN
A3	●	IPU CAM +
A4	●	IPU CRANK +
A5	●	MPH DISCRETE
A6	●	AUX DISCRETE
A7	●	CAM DISCRETE
A8	●	CRANK DISCRETE
A9	●	ESC INPUT
A10	●	TFI/SAW
A11	●	POINTS OUTPUT
A12	●	POWER RETURN
A13	●	DISTRIBUTOR RETURN
A14	●	SPKOUT
A15	●	BYPASS
A16	●	VSS INPUT
A17	●	AUX INPUT
A18		PWM 2
A19		PWM 1
A20		CLUTCH
A21	●	FLASH ENABLE
A22	●	CAL SELECT 1
A23	●	CAL SELECT 0
A24		AC SENSE
A25		DAUX I 0 (large terminal in kit)
A26		DAUX I 1
A27		DAUX I 2
A28		DAUX I 3
A29		DAUX I 4
A30		DAUX I 5
A21		DAUX I 6

B1		AUX O 1
B2		AUX O 2
B3		AUX O 3
B4		AUX O 4
B5	●	FP DRV
B6		TCC
B7	●	POWER RETURN
B8	●	DIGITAL RETURN
B9	●	SES OUTPUT
B10		FAN
B11		AC CONTROL
B12	●	IAC A HI
B13	●	IAC A LO
B14	●	IAC B HI
B15	●	IAC B LO
B16	●	PA HOLD
B17	●	12V IGNITION
B18	●	12V BATTERY
B19		PA ENABLE
B20		POWER ADDER 1
B21		POWER ADDER 2
B22		POWER ADDER 3
B23		POWER ADDER 4
B24	●	ANALOG RETURN
B25	●	POWER RETURN

C1	●	WB UEGO P+
C2	●	WB UEGO P-
C3	●	WB UEGO S+
C4	●	WB UEGO R+
C5	●	WB UEGO R-
C6	●	WB UEGO H-
C7		PWM 3/EGR
C8	●	PWM 4 BOOST CONTROL
C9		CAN H1
C10		CAN L 1
C11	●	SENSOR RETURN
C12		A AUX 1
C13		A AUX 2
C14		A AUX 3
C15		A AUX 4
C16		A AUX 5
C17		A AUX 6
C18		A AUX 7
C19		A AUX 8
C20	●	MAP INPUT
C21	●	TPS INPUT
C22	●	AIRTEMP SENSOR INPUT
C23	●	COOLANT TEMP INPUT
C24	●	5V REF VOLTAGE OUT
C25		CAN H 0
C26		CAN L 0
C27	●	RS232 Connection to PC
C28	●	Use FAST Harness to attach to PC
C29	●	Serial Port
C30		PCTXD 1
C31		PCRXD 1

D1	●	POWER RETURN
D2	●	INJECTOR A
D3	●	POWER RETURN
D4	●	INJECTOR B
D5	●	POWER RETURN
D6	●	POWER RETURN
D7	●	INJECTOR C
D8	●	POWER RETURN
D9	●	INJECTOR D
D10	●	POWER RETURN
D11	●	INJECTOR E
D12	●	POWER RETURN
D13	●	INJECTOR F
D14	●	INJECTOR G
D15	●	POWER RETURN
D16	●	INJECTOR H

The chart listed on this page represents pinouts on the standard XFI ECU. All wires in the kit are black 18 gage. The wires included in this kit are required on typical install of the XFI system to your vehicle. In some cases, you may need to use wiring in connector cavities not supplied in this kit. For those applications, this kit is shipped with extra terminals, mostly the smaller size. Larger terminals are highlighted in yellow, and one extra is included for one of the digital AUX inputs, if needed. You must add extra wiring if necessary.