



FW Murphy
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OPERATION MANUAL:

To use with program:

Installed in XM500 module:

78272830	REV E
78332830	REV E
78700420	

I. Wiring

CONNECTOR A

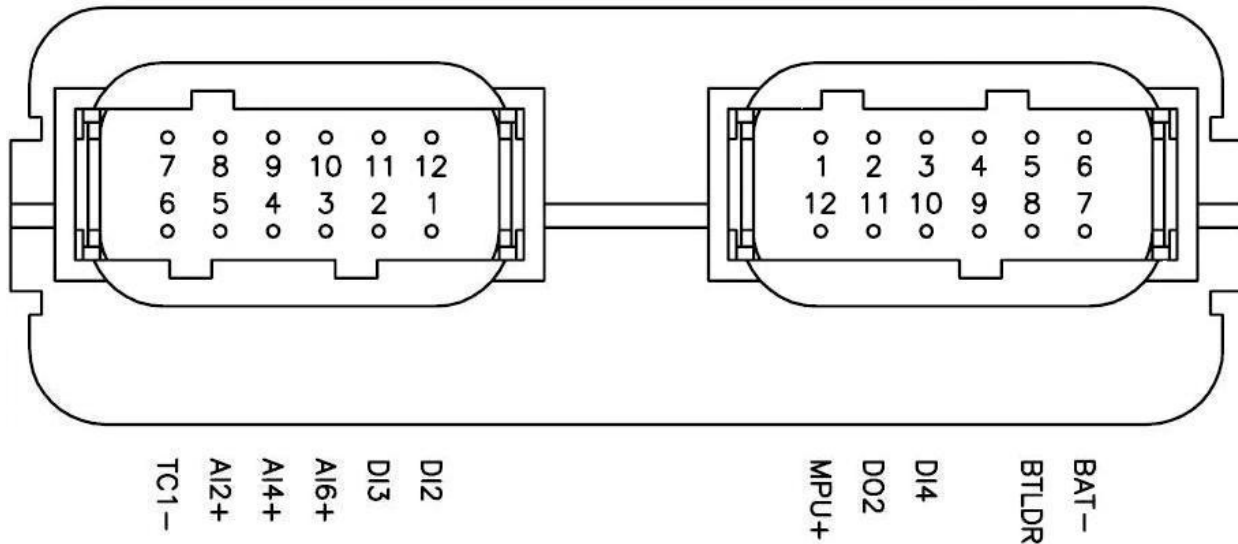
SLEEVE COLOR GREY

TC1+
 A11+
 A13+
 A15+
 A17+
 DI1

CONNECTOR B

SLEEVE COLOR BLACK

DO1
 485-
 485+
 CANH
 CANL
 BAT+



CONNECTOR A		CONNECTOR B	
Label	Application	Label	Application
DI2	Low Hydraulic Oil Pressure. N.O.	DO1	-
DI3	-	485-	-
A16+	Auxiliary Temperature 1. ES2T-250/300	485+	-
A14+	Transmission Oil Pressure. ES2PMK-400	CANH	CAN High
A12+	Engine Oil Pressure. ES2P-100	CANL	CAN Low
TC1-	-	BAT+	8 to 32 VDC+
TC1+	-	BAT-	8 to 32 VDC-
A11+	Engine Coolant Temperature. ES2T-250/300	BTLDR	-
A13+	Fuel Level 1. ES2F	NC	-
A15+	Transmission Oil Temp. ES2T-250/300	DI4	-
A17+	Auxiliary Pressure #1. ES2PMK-400	DO2	Alarm. N.O.
DI1	Low Engine Coolant Level. N.O.	MPU+	Eng Speed. Mag Pickup. 151 pulses/rev.

II. Operation.

Normal Operation:

Parameter	PGN	Start Position	Length	SPN
Engine Speed	61444	4	2 bytes	190
Auxiliary Temperature 1	65164	1	1 byte	441
Auxiliary Pressure #1	65164	3	1 byte	1387
Engine Coolant Temperature	65262	1	1 byte	110
Engine Oil Pressure	65263	4	1 byte	100
Keyswitch Battery Potential	65271	7	2 bytes	158
Transmission Oil Pressure	65272	4	1 byte	127
Transmission Oil Temperature	65272	5	2 bytes	177
Fuel Level 1	65276	2	1 byte	96

Possible Faults:

SPN	FMI	Lamp	Description
100	18	Amber	Engine Oil Pressure < 10 PSI. 10s delay.
110	16	Amber	Engine Coolant Temperature > 212 F.
111	1	Amber	Low Engine Coolant Level input closed.
127	18	Amber	Transmission Oil Pressure < 75 PSI. 10s delay.
1762	18	Amber	Low Hydraulic Oil Pressure input closed. 10s delay.

Special Features:

1. None.