



RED	1
BLACK / ORANGE	2
WHITE / ORANGE	3
GRAY	4
BLUE	5
GREEN	6

Relay Pak Connector	
J1-1	Relay D Coil
J1-2	-Battery
J1-3	Relay C Coil
J1-4	Relay B Coil
J1-5	
J1-6	Relay A Coil
J2	Relay A Contact
J3	A and C Common
J4	Relay C Contact
J5	Relay B Contact
J6	B and D Common
J7	Relay D Contact

Main Connector		
J4-1	+Battery	
J4-2	+Battery	
J4-3	Ground	
J4-4	Ground	
J4-5	Switch Input A	Start / Stop
J4-6	Switch Input B	Low Coolant
J4-7	Switch Input C	Service Fuel Filter
J4-8	Switch Output A	Fuel
J4-9	Switch Output C	Crank
J4-10	Switch Output B	
J4-11	Sensor Ground	
J4-12	Sensor Input A	
J4-13	Sensor Input B	
J4-14	Sensor Input C	

Expansion Connector		
J3-1	Switch Input D	Service Air Filter
J3-2	Switch Input E	E-Stop
J3-3	Switch Output D	
J3-4	Switch Output E	
J3-5	Switch Output F	
J3-6	Sensor Power (5V)	
J3-7	Sensor Ground	
J3-8	Sensor Input D	

Communication Connector	
J6-1	RS485-A
J6-2	RS485-B
J6-3	
J6-4	CAN High
J6-5	CAN Low
J6-6	CAN Ground
J6-7	Speed Input
J6-8	Speed Reference
J6-9	
J6-10	RS485 Ground

Generator Connector (A)	
J5-1	Gen. Phase A
J5-2	Gen. Phase B
J5-3	Gen. Phase C
J5-4	Neutral

Generator Connector (V)	
J7-1	Gen. Current (A)
J7-2	Gen. Current (B)
J7-3	Gen. Current (C)
J7-4	Neutral

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PROJECT:				MODEL:					
FINISH:				PT PART #					
MATERIAL:				DESCRIPTION: DIAGRAM, WIRING, TG410, 4LE					
THICKNESS:				SIZE A		DWG. NO. S-2807		REV	
DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED				NAME		DATE		NOT TO SCALE	
DO NOT SCALE DRAWING				DRAWN		NDM		05/03/2016	
				WEIGHT:		SHEET 1 OF 1			