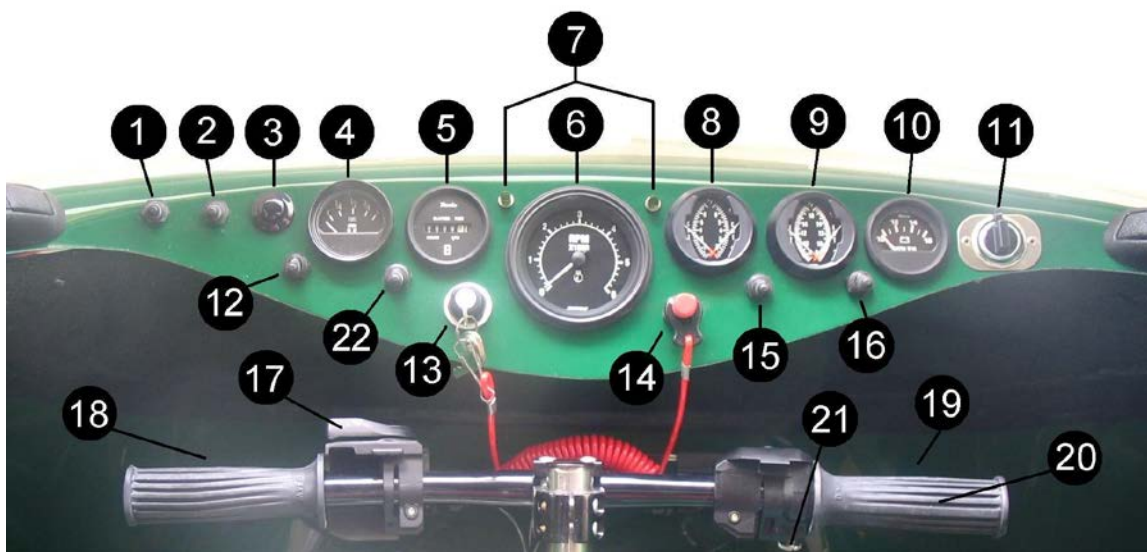


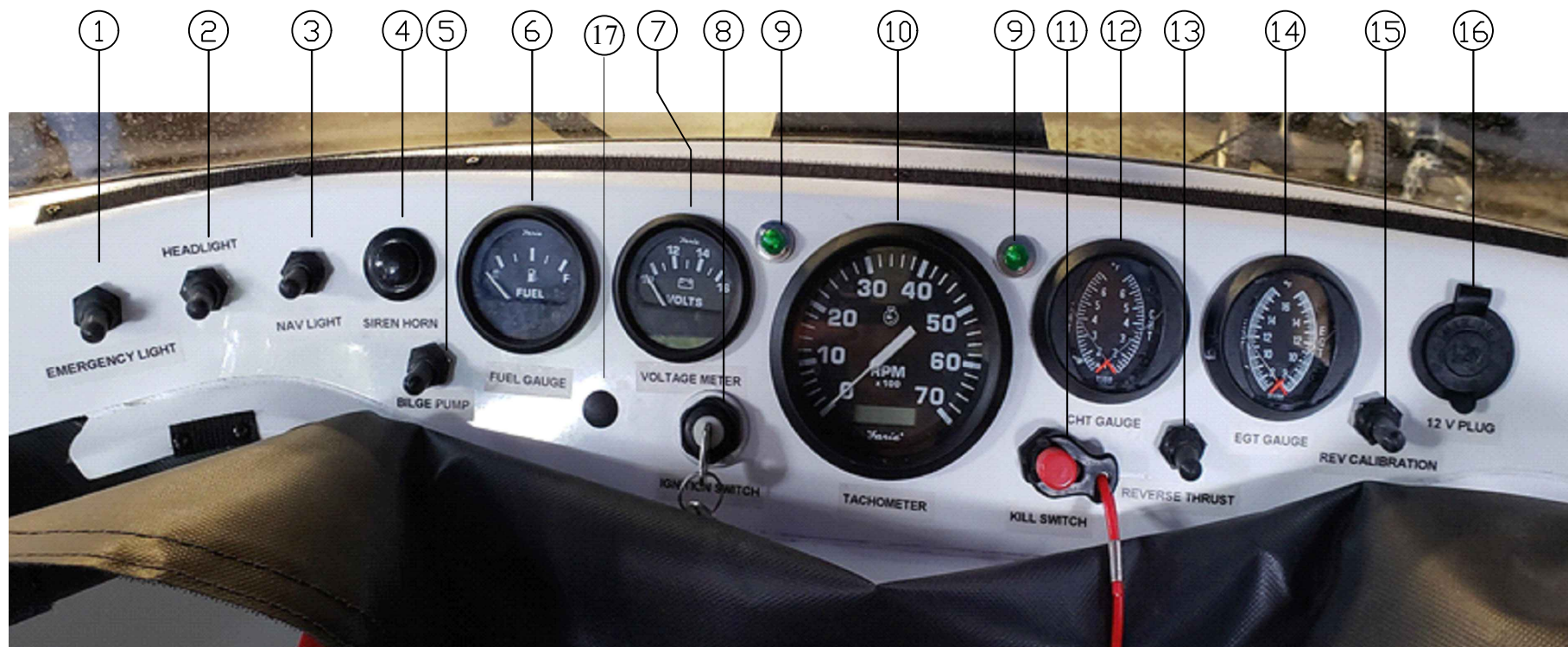
Neoteric Hovortrek Deluxe with reverse system

Instrumentation Panel and Control Details for 4 Passenger



(Part #'s)

1. Headlight Switch (1652)
2. Navigation & Instrument Light Switch (1652)
3. Horn Button (2443)
4. Gasoline/Petrol Gauge (1628)
5. Hour Meter (6148)
6. Tachometer (5351)
7. Reverse Thrust Diagnostic Lights (5633)
8. Engine 2 Cylinder Head Temperature (5326)
9. Engine 2 Exhaust Gas Temperature (5327)
10. Volt Meter (5817)
11. 12 Volt Supply Cigarette Plug (5688)
12. Bilge Pump (1652)
13. Ignition Switch (1884)
14. Kill Switch (1052)
15. Reverse Thrust On Off Switch (1652)
16. Reverse Thrust Reset Switch (2431)
17. Choke Lever (7348)
18. Port Reverse Thrust Control Lever (7369)
19. Starboard Reverse Thrust Control Lever (7369)
20. Throttle Grip (6617)
21. Throttle Cruise Control Lock Screw or Lever (7444)
22. Electric Fuel Pump (1652)
23. Lanyard Cord (1090)

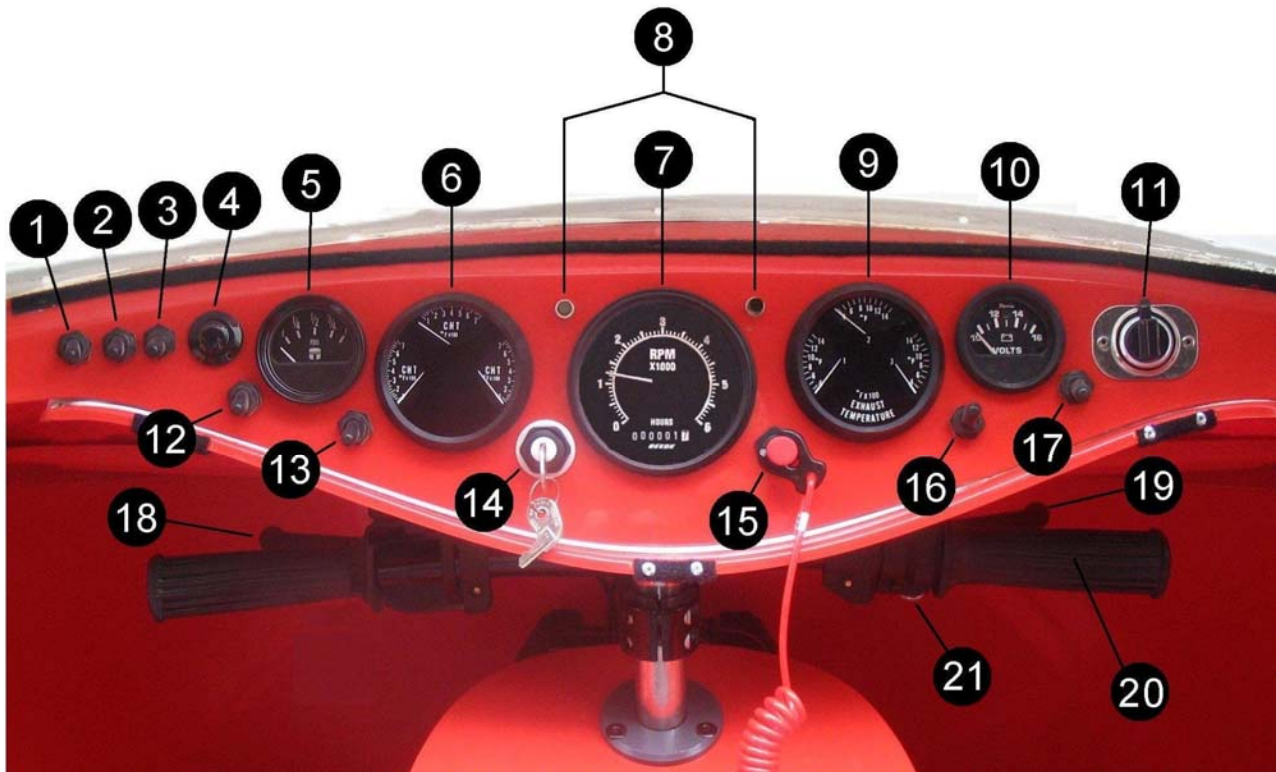


(Part #'s)

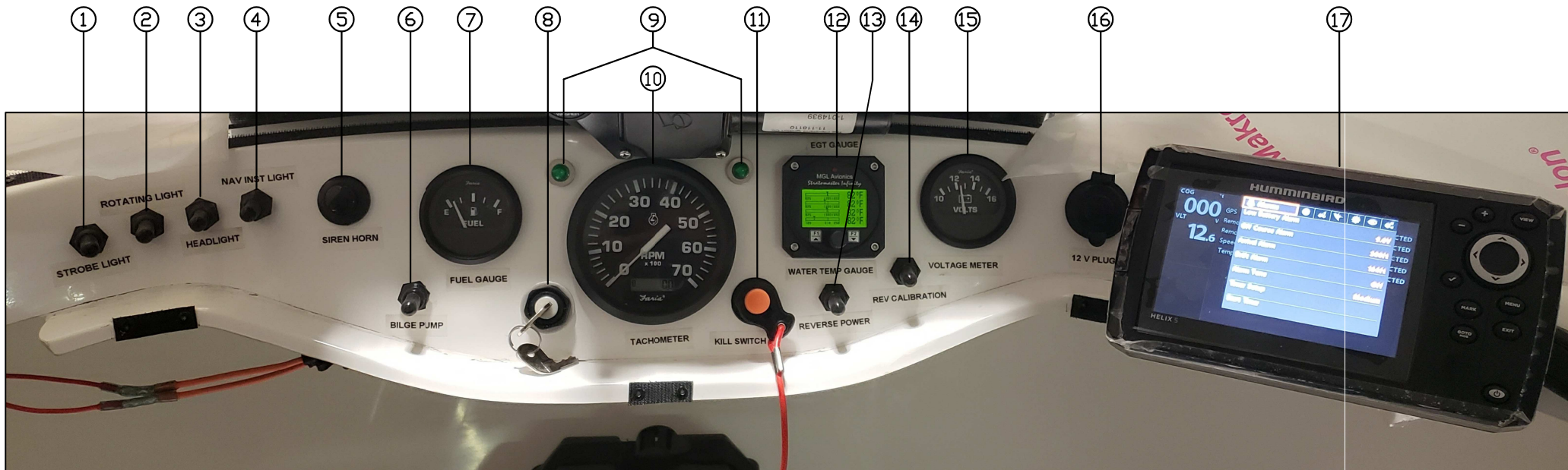
1. Emergency Light Switch (1652)
2. Headlight Switch (1652)
3. Navigation & Instrument Light Switch (1652)
4. Horn Button (2443)
5. Bilge Pump Switch (1652)
6. Gasoline/Petrol Gauge (1628)
7. Volt Meter (5817)
8. Ignition Switch (1884)
9. Reverse Thrust Diagnostic Lights (5633)
10. Tachometer W/ hour meter (5351)
11. Kill Switch (1052)
12. Engine 2 Cylinder Head Temperature (5326) (CHT)
13. Reverse Thrust On Off Switch (1652)
14. Engine 2 Exhaust Gas Temperature (5327) (EGT)
15. Reverse Thrust Reset Switch (2431)
16. 12 Volt Supply Cigarette Plug (5688)
17. Electric Fuel Pump Switch (1652) (Fuel Injection Only) Plastic Plug (2449)

Neoteric Hovertrek Deluxe with reverse system

Instrumentation Panel and Control Details for 6 Passenger



1. Strobe Emergency Light (1652)
2. Headlights (1652)
3. Navigation & Instrument Light Switch (1652)
4. Horn/Siren Button (2443)
5. Gasoline/Petrol Gauge (1628)
6. Engine Cylinder Head Temperature or Water Temperature, depending on gauge type (water temp gage 6166)
7. Tachometer and hour meter (5350)
8. Reverse Thrust Diagnostic Lights (5633)
9. Engine Exhaust Gas Temperature (5647)
10. Volt Meter (5817)
11. 12 Volt Supply Cigarette Plug (5688)
12. Bilge Pump (1652)
13. Electric Fuel Pump (1652)
14. Ignition Switch (1884)
15. Kill Switch (1052)
16. Reverse Thrust On Off Switch (1652)
17. Reverse Thrust Reset Switch for Calibration (2431)
18. Port Reverse Thrust Control Lever (7369)
19. Starboard Reverse Thrust Control Lever (7369)
20. Throttle Grip (6617)
21. Throttle Cruise Control Lock Screw or Lever (7444)



- 1) Strobe Light Switch (1652)
- 2) Rotating Light Switch (1652)
- 3) Headlight Switch (1652)
- 4) Nav Light Switch (1652)
- 5) Horn Button (2443)
- 6) Bilge Pump Switch (1652)
- 7) Fuel Gauge (1628)
- 8) Ignition Switch (1884)
- 9) LED Reverse Diagnostic Lights (5633)
- 10) Tachometer W/ Hour Meter (5351)
- 11) Kill Switch (1052)
- 12) EGT and Water Temp Gauge (9285)
- 13) Reverse Power Switch (1652)
- 14) Reverse Reset, Momentary Switch (2431)
- 15) Volt Meter Gauge (5817)
- 16) 12V Power Supply (5688)
- 17) GPS Options Helix 5 (9482) Garmin (9065)

FUSE BLOCK INTRODUCED 2022

NOTES:

1) FUSE BLOCK MOUNTED UNDER DASH IN CENTER OF FRONT DUCT.

2) LABEL IS MOUNTED IN LID.

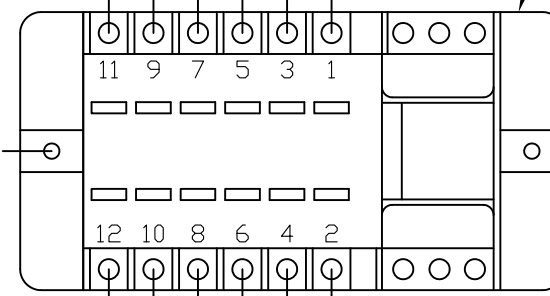
FUSES:

- 5 AMP-9448
- 10 AMP-9449
- 15 AMP-9450

1 - INSTRUMENT	1	5	A	2	10	A
2 - HORN/BILGE			M			P
3 - NAV/HEAD LIGHTS	3	10	A	4	15	A
4 - REVERSE			M			P
5 - AUX POWER	5	10	A	6	10	A
6 - FUEL			M			P
7 - EMERGENCY	7	10	A	8	10	A
8 - WATER PUMP			M			P
9 - SPOT LIGHT	9	10	A	10	5	A
10 - GPS			M			P
11 - SIDE LIGHTS	11	10	A	12	OPEN	
12 - OPEN			M			

BILL OF MATERIAL		
REF.	PART#	DESCRIPTION
1	9871	FUSE BLOCK, MODIFIED
2	16563	FUSE BLOCK LABEL
3	9448	5 AMP FUSE
4	9449	10 AMP FUSE
5	9450	15 AMP FUSE

- SPOT #1 INSTRUMENT HOOKS TO INST. HARNESS (5AMP)
- SPOT #3 NAV/HEAD LIGHTS HOOKS TO NAV SWITCH (15AMP)
- SPOT #5 AUX POWER HOOKS TO AUX + SPADE TERMINAL (10AMP)
- SPOT #7 EMERGENCY LIGHT HOOKS TO EMERGENCY LIGHT SWITCH (10AMP)
- SPOT #9 SPOT LIGHT HOOKS TO SPOT LIGHT POWER WIRE (10AMP)
- SPOT #11 SIDE LIGHTS HOOKS TO SIDE LIGHT SWITCH (10AMP)



MAIN POWER HOOKUP FROM BATTERY (STARTER SOLENOID)

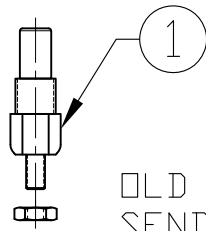
- SPOT #12 OPEN POSITION FOR ADDITIONAL ACCESORIES ()
- SPOT #10 GPS HOOKS TO GPS POWER WIRE (10AMP)
- SPOT #8 WATER PUMP HOOKS TO WATER PUMP POWER WIRE (10AMP)
- SPOT #6 FUEL PUMP HOOKS TO FUEL PUMP SWITCH (10AMP)
- SPOT #4 REVERSE HOOKS TO REVERSE ON/OFF SWITCH (15AMP)
- SPOT #2 HORN/BILGE HOOKS TO BILGE SWITCH (10AMP)

# REQUIRED:	CHECKED:
SCALE:	
PAGE: 1 OF 1	WEIGHT:

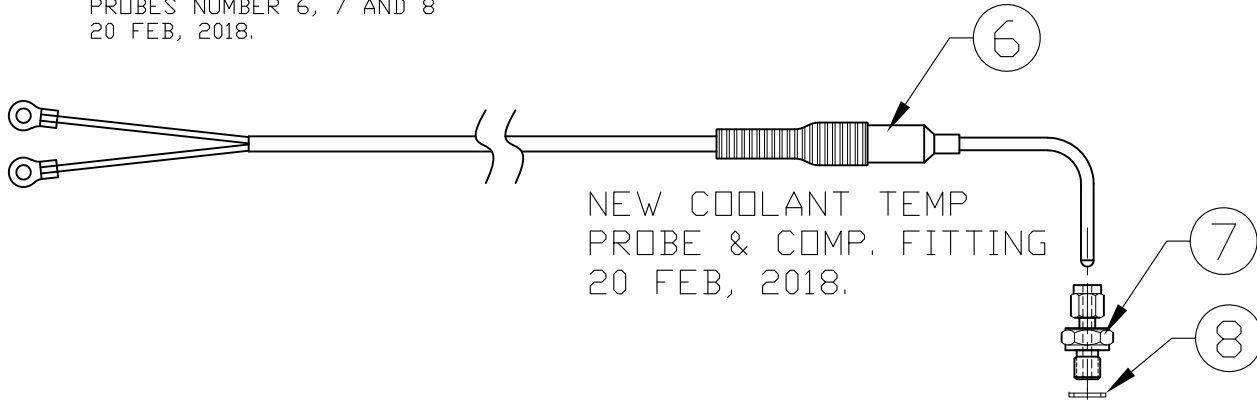
SIG. NO.	REVISION	DATE
1649 TIPPECANOE STREET TERRE HAUTE, INDIANA, U.S.A. 47807-2994 TELEPHONE (812) 234-1120 FAX (812) 234-3217		
DRAWN:	NAME:	
CJ POEHLIN	FUSE BLOCK HOOKUP	
DATE:	NUMBER:	REV.
13 JAN, 2023	17458	2

NOTES:

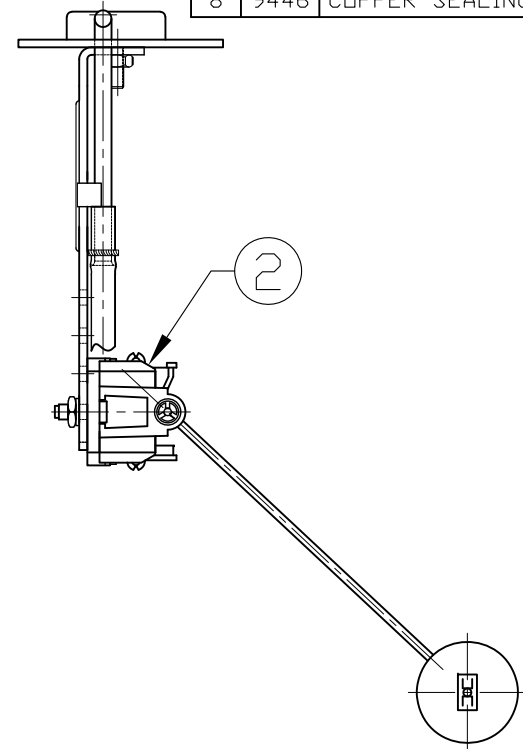
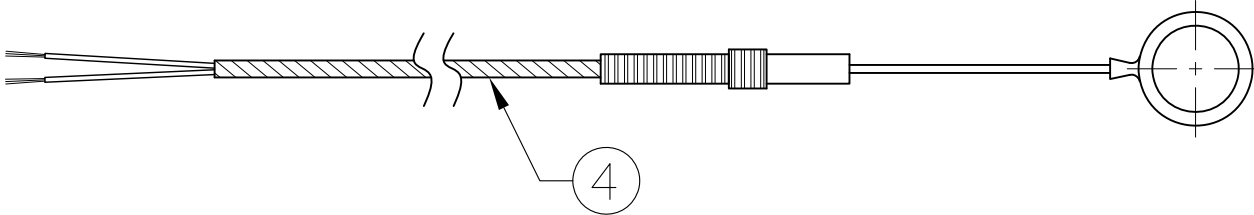
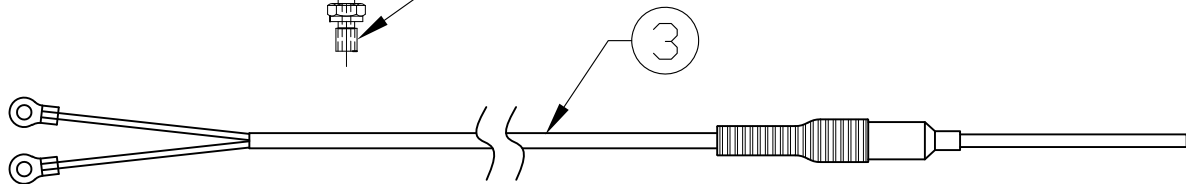
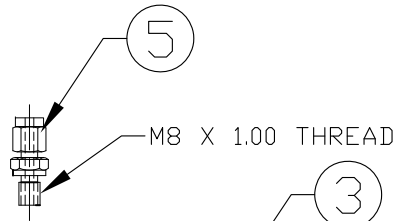
- 1) EGT COMPRESSION FITTING COMES WITH EGT PROBE WHEN PURCHASED.
- 2) CAN ORDER JUST COMPRESSION FITTING IF NEEDED.
- 3) NEW COOLANT TEMP. COMPRESSION FITTING COMES WITH PROBE WHEN PURCHASED.
- 4) CHANGED TO NEW COOLANT TEMP PROBES NUMBER 6, 7 AND 8 20 FEB, 2018.



OLD WATER TEMP SENDER



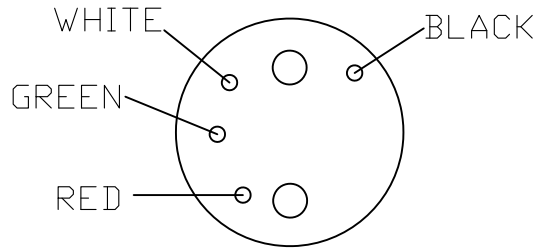
NEW COOLANT TEMP PROBE & COMP. FITTING
20 FEB, 2018.



BILL OF MATERIAL		
REF.	PART #	DESCRIPTION
1	6277	WATER TEMP SENDER
2	7479	FUEL SENDER
3	7719	EGT TEMPERATURE PROBE
4	7231	CHT TEMPERATURE SENSOR
5	7945	EGT COMPRESSION FITTING
6	9434	COOLANT TEMP PROBE
7	9435	COOLANT TEMP COMP. FITTING
8	9446	COPPER SEALING WASHER

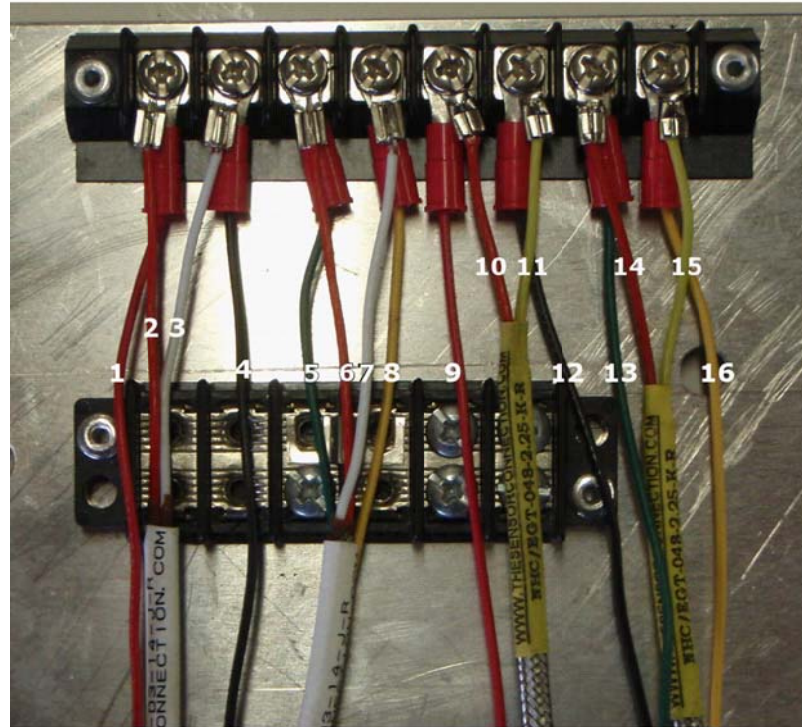
CJ 3	CORRECTED CHT NUMBER	12 AUG, 2021
SIG. NO.	REVISION	DATE
 Neoteric Hovercraft Inc. 1649 TIPPECANOE STREET TERRE HAUTE, INDIANA, U.S.A. 47807-2394 TELEPHONE (812) 234-1120 FAX (812) 234-3217		
DRAWN:	NAME:	
CJ POEHLIN	HOVERTREK SENDERS	
DATE:	NUMBER:	REV.
9 JUN, 2015	16647	3

BACK OF CHT GAUGE



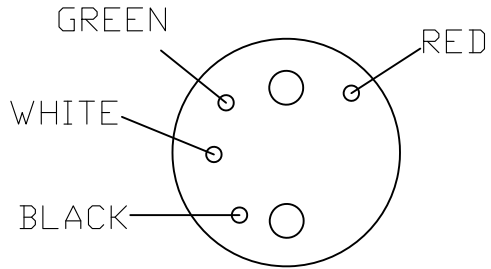
CHT WIRE HOOKUP

WIRES HOOKUP ON AUX MOUNT PLATE.



Number	Color	Wire hookup/ Does wire come From gauge or sender	Pole	Wire gauge
1	Red	Front Cylinder CHT Gauge	+	20g
2	Red	Front Cylinder CHT Sender	+	20g
3	White	Front Cylinder CHT Sender	-	20g
4	Black	Front Cylinder CHT Gauge	-	20g
5	Green	Rear Cylinder CHT Gauge	+	20g
6	Red	Rear Cylinder CHT Sender	+	20g
7	White	Rear Cylinder CHT Sender	-	20g
8	Yellow	Rear Cylinder CHT Gauge	-	20g
9	Red	Front Cylinder EGT Gauge	+	20g
10	Red	Front Cylinder EGT Sender	+	20g
11	Yellow	Front Cylinder EGT Sender	-	20g
12	Black	Front Cylinder EGT Gauge	-	20g
13	Green	Rear Cylinder EGT Gauge	+	20g
14	Red	Rear Cylinder EGT Sender	+	20g
15	Yellow	Rear Cylinder EGT Sender	-	20g
16	Yellow	Rear Cylinder EGT Gauge	-	20g

BACK OF EGT GAUGE



EGT WIRE HOOKUP

NOTES:

- 1) WHITE WIRES ON BACK OF BOTH EGT/CHT GAUGES ARE YELLOW WIRES ON TERMINAL BLOCK HOOKUPS. WIRES #8 AND #16 IN CHART.
- 2) WIRES #1,4,5,8,9,12,13 AND 16 ARE FROM GAUGES.
- 3) WIRES #2,3,6,7,10,11,14 AND 15 ARE FROM SENDERS.

ALL DIMENSIONS IN IN AND [mm] TOLERANCE UNLESS OTHERWISE SPECIFIED:		XX	X	XXXX	XXXX	XXXX	XXXX	XX	XXX, 2014
FRACTIONAL ± 1/32" [0.8] X.XX ± 0.016" [0.40] X.XXX ± 0.005" [0.13] X.X" ± 0.10"		SIG. NO.		REVISION				DATE	
USED ON:	CHECKED:	<p>1649 TIPPECANOE STREET TERRE HAUTE, INDIANA, U.S.A. 47807-2394 TELEPHONE (812) 234-1120 FAX (812) 234-3217</p>							
SCALE:	WEIGHT:								
PAGE: 1 OF 1									
DRAWN: CJ POEHLEIN		NAME: EGT/CHT WIRE HOOKUP		DATE: 30 APR, 2018		NUMBER: 16645		REV. 2	

MGL Avionics instrument, TC1 Gauge

Note:

- A. Top scale is chart scaling: do not use this**
- B. Set point is the alarm point when the red warning light flashes**
- C. Span in the range of the bar graph it's the difference between highest and lowest temp**
- D. Alarm also goes off at set point**
- E. Span is set above the alarm set point**
- F. Knob can be used to do the same things as the Up and Down arrows F1 and F2**

Procedure

1. Turn instrument on
2. Press center knob. Screen will read Exit Menu
3. Press the DOWN arrow F2 and screen will show DISPLAY SETUP
4. Press the DOWN arrow F2 and screen will show TC Setup
5. Press center knob
6. Adjust display contrast by turning knob to indicate approximately 2/3 thirds
7. Press center knob
8. Press DOWN arrow F2 to highlight BACKLIGHT
9. Press and turn center knob to select ON
10. Press center knob to select
11. Press DOWN arrow F2 to highlight Display
12. Press center knob to select Multi/Horizontal
13. Press center knob to select
14. Press UP arrow F1 and press center knob to select DONE
15. Press DOWN arrow F2 to highlight TC SETUP
16. Press center knob
17. Press DOWN arrow F2 to select TC CHANNELS
18. Set to 4 which is the number of thermocouples being used
19. Press center knob to select 4
20. Press DOWN arrow F2 to TEMP UNIT
21. Press center knob
22. Turn center knob to indicate degree F or degree C (Fahrenheit or Celsius)
23. Press center knob to select

Note: Channel configuration only applies to Multiple Horizontal bar display as selected in DISPLAY SETUP

This process is used for configuring CH1, CH2, CH3 and CH4 SETUPS

1. Press DOWN arrow F2 to select CH 1 SETUP
2. Press center knob to enter channel configuration menu
3. Press DOWN arrow F1 to highlight SPAN
4. Press center knob to change parameter

5. Turn center knob to select the value given in the configuration table shown at the end
6. Press center knob to select
7. Press DOWN arrow F1 to highlight TOPSCALE
8. Press center knob to change parameter
9. Press center knob and turn to select ON
10. Press center knob to select
11. Press DOWN arrow F2 to highlight SETPOINT
12. Press center knob to change parameter
13. Turn center knob to value indicated in the configuration table shown at the end
14. Press center knob to select
15. Press DOWN arrow F2 to highlight ALARM ON or OFF
16. Press center knob to change parameter
17. Turn center knob to value indicated in the configuration table shown at the end
18. Press center knob to select
19. Press DOWN arrow F2 to highlight PROBE
20. Press center knob to change parameter
21. Turn center knob to value indicated in the configuration table shown at the end
22. Press center knob to select
23. Press center knob to change parameter
24. Press DOWN arrow F2 to highlight LABEL
25. Press center knob to select parameter
26. Turn center knob to value indicated in the configuration table shown at the end
27. Press center knob to select
28. Press center knob to change parameter
29. Press UP arrow F1 multiple times until DONE shows
30. Press UP arrow F1 to DONE and press center knob, TC SET UP will show
31. Press UP arrow F1 to DISPLAY SETUP and press center knob

MGL AVIONICS Instrument TC1 Gauge Configuration

HT6 configuration Table for HT6 craft

EGTs

DISPLAY SETUP	
Parameter	Setting
Backlight	ON
Disp	MULT/HORI
Contrast	2/3
TC SETUP	
TC Channels	3
Temp Unit	F
Channel 1, 2 and 3. See TC SETUP	
Span	1650
Setpoint	1380
Alarm ON/OFF	ON
Probe	K type
Label	EGT 1, EGT 2, EGT 3

MGL AVIONICS Instrument TC1 Gauge Configuration

Configuration Table for HT6 Craft

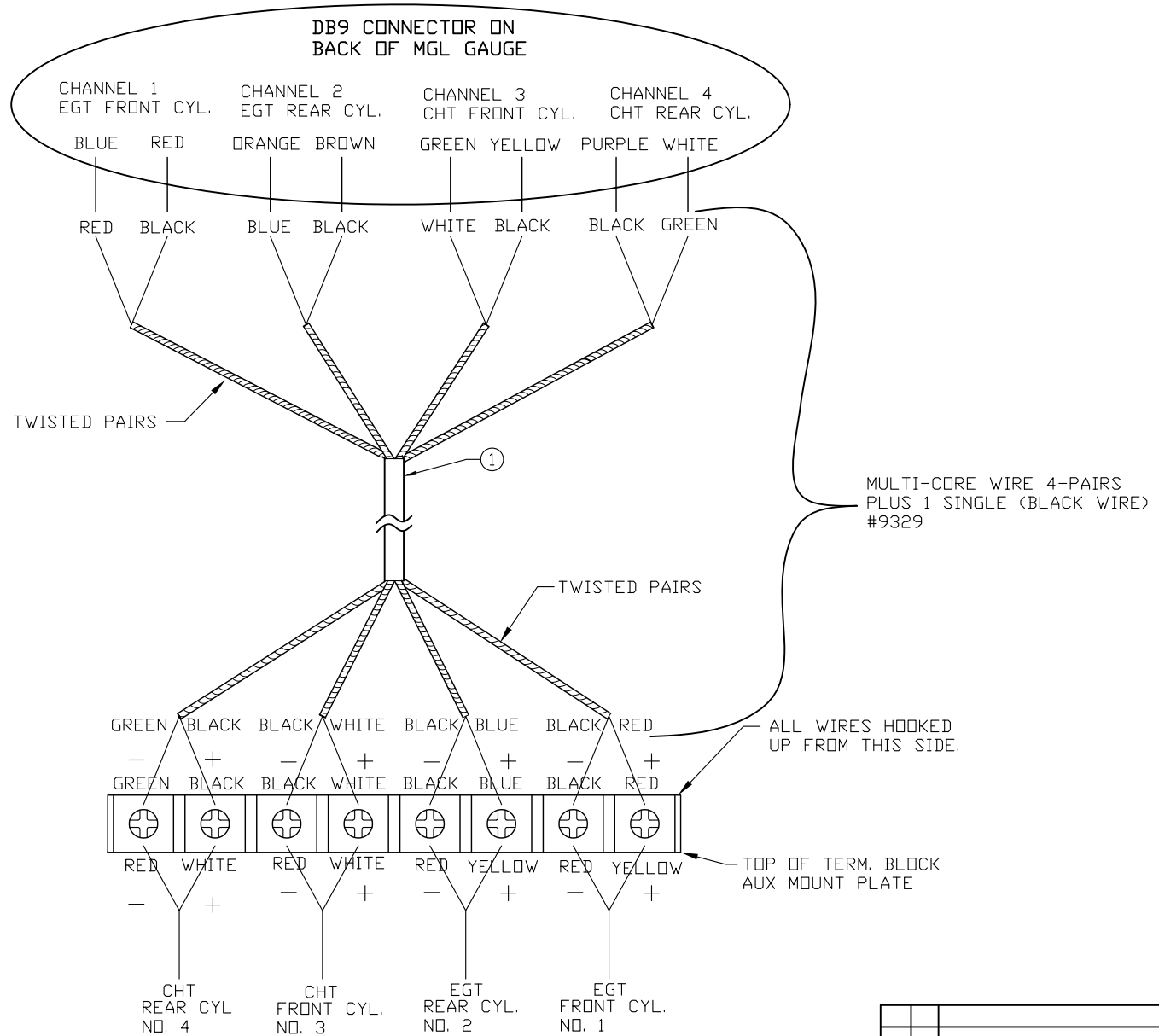
Water Temp

DISPLAY SETUP	
Parameter	Setting
Backlight	ON
Disp	MULT/HORI
Contrast	2/3
TC SETUP	
TC Channels	4
Temp Unit	F
Channel 4, See TC SETUP	
	Top Scale O N
Span	250
Setpoint	210
TOPSCALE	ON
Alarm ON/OFF	ON
Probe	J type
Label	H20T

55/65HP MGL WIRING

EGT READS FIRST
ON GAUGE

REF.		PART #		BILL OF MATERIAL	
				DESCRIPTION	
1	9329	MULTI-PAIR 8 CONDUCTOR CABLE			



SIG. NO.	REVISION	DATE

Neoteric Hovercraft Inc.

1649 TIPPECANOE STREET
TERRE HAUTE, INDIANA, U.S.A. 47807-2394
TELEPHONE (812) 234-1120 FAX (812) 234-3217

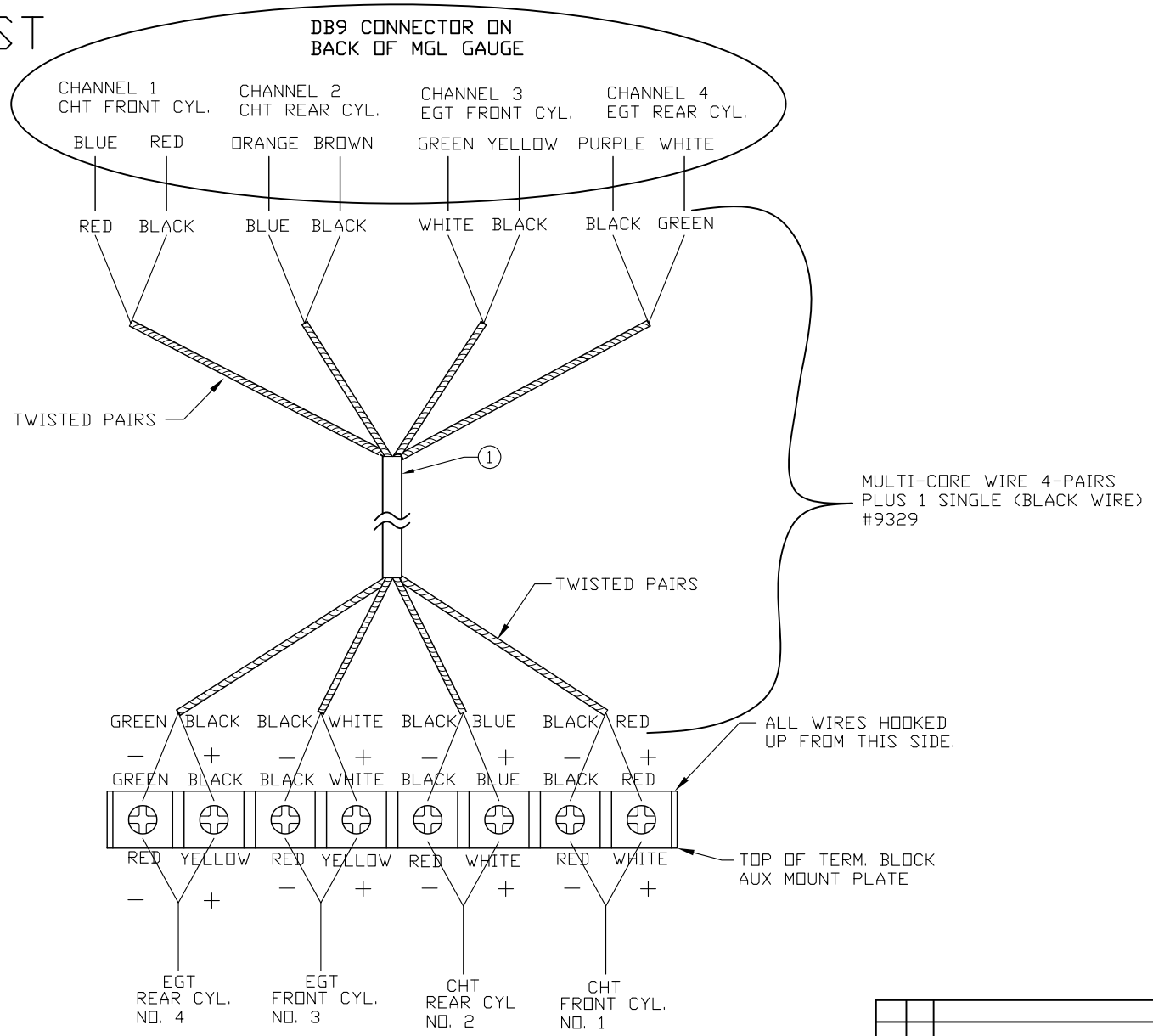
DRAWN: CJ POEHLEIN	NAME: MGL WIRING
DATE: 15 JAN, 2019	NUMBER: 9285
	REV. 2

USED ON:	CHECKED:
SCALE:	
PAGE: 1 OF 1	WEIGHT:

55/65HP MGL WIRING

CHT READS FIRST
ON GAUGE

BILL OF MATERIAL		
REF.	PART #	DESCRIPTION
1	9329	MULTI-PAIR 8 CONDUCTOR CABLE



SIG. NO.	REVISION	DATE

Neoteric Hovercraft Inc.

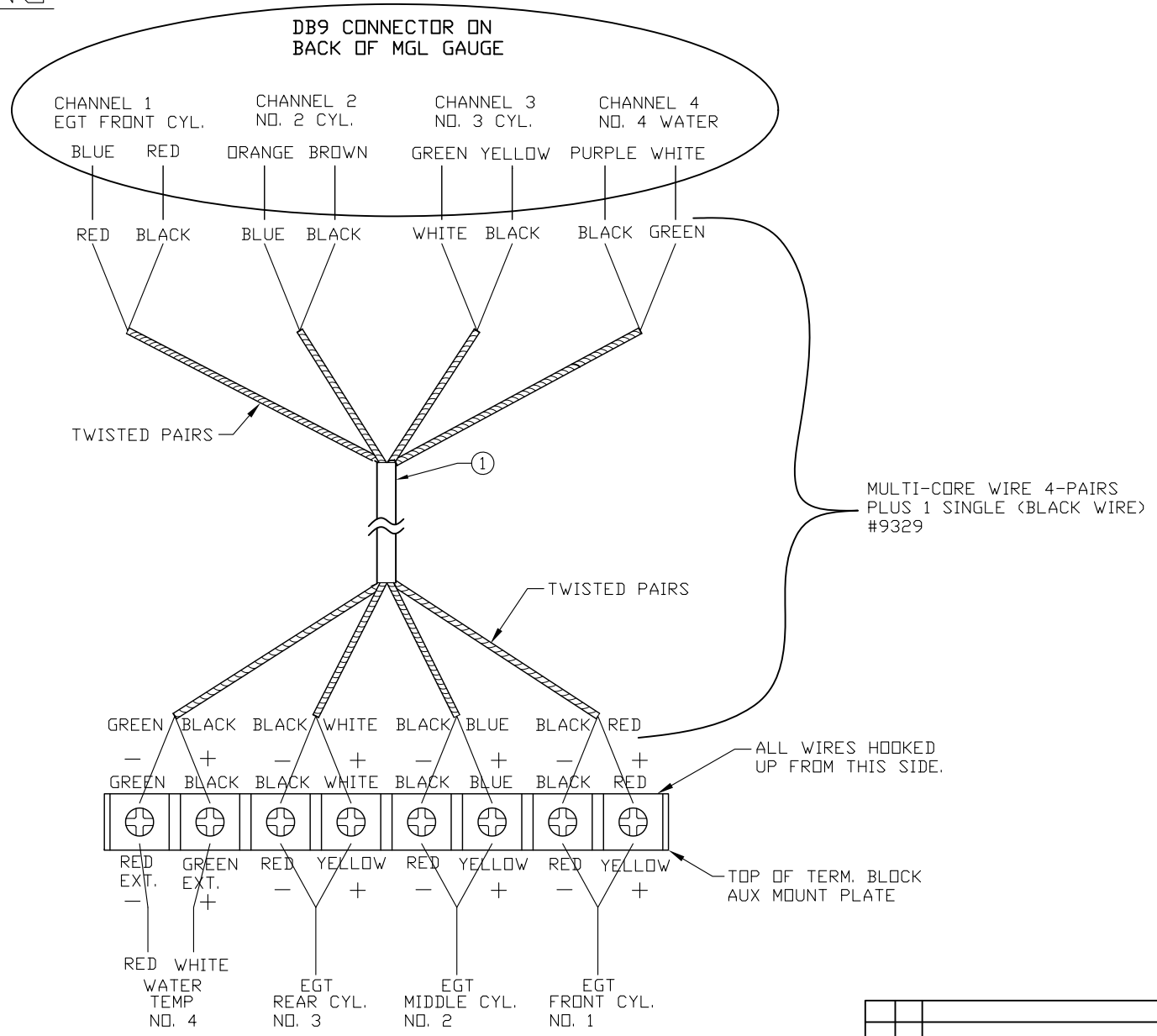
1649 TIPPECANOE STREET
TERRE HAUTE, INDIANA, U.S.A. 47807-2394
TELEPHONE (812) 234-1120 FAX (812) 234-3217

DRAWN: CJ POEHLEIN	NAME: MGL WIRING
DATE: 15 JAN, 2019	NUMBER: 9285
	REV. 2

USED ON:	CHECKED:
SCALE:	
PAGE: 1 OF 1	WEIGHT:

100HP MGL WIRING

REF.		PART #		BILL OF MATERIAL	
				DESCRIPTION	
1	9329	MULTI-PAIR 8 CONDUCTOR CABLE			



SIG. NO.	REVISION	DATE

Neoteric Hovercraft Inc.

1649 TIPPECANOE STREET
TERRE HAUTE, INDIANA, U.S.A. 47807-2394
TELEPHONE (812) 234-1120 FAX (812) 234-3217

DRAWN: CJ POEHLEIN	NAME: MGL WIRING
DATE: 15 JAN, 2019	NUMBER: 9285
	REV. 2

USED ON:	CHECKED:
SCALE:	
PAGE: 1 OF 1	WEIGHT: