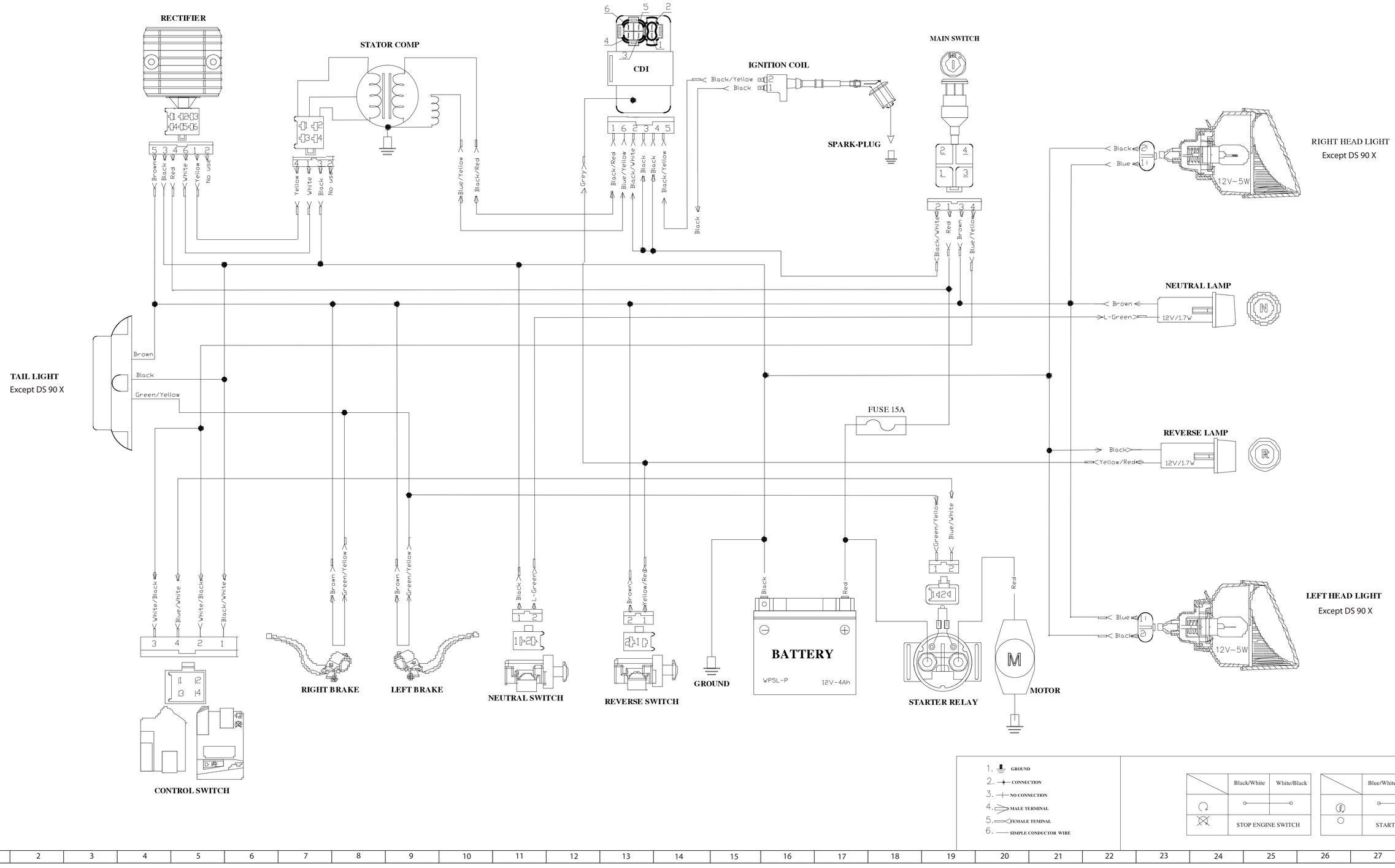
2021 *DS 70 / DS 90 / DS90 X*



2021 DS 250

FR. STOP SW.
RR. STOP SW.
FAN MOTOR
SHIFT GEAR CONTROL UNIT
COMB. SW.
FUSE BOX ASS'Y
DC POWER OUTLET
ELEC. RELAY (HEAD)
THERMO. SW.
CDI UNIT
THERMO. UNIT
START MAG. SW.
START MOTOR
BATTERY(MF) 12V 10AH

HEAD LIGHT
(12V 31.5/31.5W)

TAIL/STOP LIGHT BULB
(12V 5W/21W)

COMB. METER ASS'Y
COOLANT TEMPERATURE PILOT (12V 1.7W)
NEUTRAL PILOT (12V 1.7W)
REVERSE PILOT (12V 1.7W)

HEAD LIGHT

IG. COIL

CHANGE SW.

EARTH

REG. REC.

ACG.

START SW.
ENG.STOP SW.
OVERRIDE SW.
DIMMER SW.

B	B_ACK
Y	YELLOW
L	BLUE
G	GREEN
R	RED
W	WHITE
BR	BROWN
O	ORANGE
SB	SKY BLUE
LG	LIGHT GREEN
P	PINK
GR	GRAY

OVERRIDE SW.

	OR	E
PUSH	●	●
FREE		

ENG. STOP SW

	ES	ES
✕		
↺	●	●

DIMMER SW.

	BAT3	LO	Hi	PL
●				
≡D	●	●		●
≡D	●		●	●

START SW.

	ST	SG
FREE	●	●

COMB. SW.

	BAT1	BAT2	IG	E
LOCK				
OFF			●	●
ON	●	●		

OVERRIDE SW.

	OR	E
PUSH	●	●
FREE		

ENG. STOP SW

	ES	ES
✕		
↺	●	●

WINKER SW.

	R	WR	L
⇨	●		
⇦			●

HORN SW.

	BAT3	HO
FREE		
📯	●	●

DIMMER SW.

	BAT3	LO	Hi	PL
≡D	●	●		●
≡D	●		●	●

HAZARD SW.

	HD	E
△	●	●

START SW.

	ST	SG
FREE	●	●

COMB. SW.

L	BAT1	BAT2	IG	E
OCK				
OFF			●	●
ON	●	●		

2021

MAIN HARNESS

Outlander with metallic racks and analog gauge

LINE TYPES
55 / 60 VOLTS
12 VOLTS SWITCHED
12 VOLTS UNSWITCHED
5 OR 3.3 VOLTS
DIGITAL SIGNAL
POWER CONTROL
ANALOG SIGNAL
COMMUNICATION
A-D GROUND
POWER GROUND
AC VOLTAGE

FUSEBOX PF1
MAIN RY2
DESS KEY ECM F8-10A
DPS CLUSTER RELAYS F8-10A
LIGHTS F2-30A
LIGHTS RY3
START SWITCH F1-10A
ACCESSORY RY5
IGNITION COIL INJECTOR FUEL PUMP F5-10A
4WD ACTUATOR F9-10A
F12-25A
COOLING FAN RY1
ACC 2 F4-20A
ACC 1 F3-20A
BRAKE LIGHTS F7-10A
BRAKE RY6

BP1
RECTIFIER / REGULATOR
REG
FL1 40A
FL2 40A
DPS PF2-40A
SINGLE FUSE PF2
BN1-
HIC8-

ECM CONNECTOR B
ECMB
MAIN RELAY CONTROL
LIGHTS / ACC RELAY CONTROL
COOLING FAN RELAY CONTROL
BRAKE SIGNAL INPUT
CAN HI
CAN LO
WAKE UP
HEATER CONTROL
O² SIGNAL (+)
O² SIGNAL (-)
OXYGEN SENSOR HO2S1
SENSOR
TAS
THROTTLE ACCELERATOR SENSOR
HALL
5V SENSOR 2
GROUND SENSOR 2
SIGNAL SENSOR 2
5V SENSOR 1
GROUND SENSOR 1
SIGNAL SENSOR 1
SPORT MODE (RIGHT)
D GND
ECO MODE (LEFT)
FUEL PUMP CONTROL
SOLENOID CTRL
SS-(–)
SS-(+)
D2
STARTER RELAY
START SIGNAL
S12V
DATA
D GND
RFID
CONTACT
RUN SWITCH
OVR SIGNAL (OVR)
D GND
OVR SIGNAL (FREE)

TO ENGINE HARNESS
HIC
S12V COILS
S12V INJECTORS
S12V 4WD ACTUATOR
4WD STATUS
GROUND
610/1000 4X4 ENABLE
450 4X4 ENABLE

RIGHT STEERING SWITCH
RSS
LEFT DRIVING MODE RIGHT

FUEL PUMP FP
ANALOG DISPLAY CI
4WD ON
FUEL LEVEL SIGNAL
FUEL LEVEL GROUND
S12V
U12V
DPS MODE
CAN HI
CAN LO
HIGH BEAM
GROUND

ACCESSORY DC5 DC5_C COVER
ACCESSORY DC6 DC6_C COVER
COOLING FAN FT
ACCESSORY DC3 DC3_C COVER
DC1-(+)
DC1-(–)

REAR LIGHT RL
REAR BRAKE SWITCH FRR

DIAGNOSTIC CONNECTOR DB
S12V
U12V
WAKE UP
CAN LO
CAN HI
GROUND

DPS POWER STEERING
S12V
U12V
U12V
U12V
CAN HI
CAN LO
GROUND
GROUND
GROUND

REMOTE WINCH SWW
OUT
IN
SW1-
SW2
SW4
D5
D6
WINCH RELAY

LEFT STEERING SWITCHES
MG1EX
MG1
OVERRIDE/ DPS MODE
ENGINE STOP SWITCH
OFF
RUN
LEFT STEERING SWITCHES
MG2
START SWITCH
HEADLAMP SWITCH
LO
HI
OFF
LO
LO+HI

HEADLIGHT LEFT HIGH HL_LH
HEADLIGHT RIGHT HIGH HL_RH
HEADLIGHT LEFT LOW HL_LL
HEADLIGHT RIGHT LOW HL_RL
AUX LIGHTS POWER DC5_1-

BN1
BN2
JT BK 1
JT BK 2
JT BK 3
JT BK 4

2021

MAIN HARNESS Outlander 450 with digital display / Outlander 570 with digital display (outside North America)

LINE TYPES

55 / 60 VOLTS
12 VOLTS SWITCHED
12 VOLTS UNSWITCHED
5 OR 3.3 VOLTS
DIGITAL SIGNAL
POWER CONTROL
ANALOG SIGNAL
COMMUNICATION
A-D GROUND
POWER GROUND
AC VOLTAGE

BP1 — RD-12 — JT RD

FUSEBOX PF1

MAIN RY2 — DESS KEY ECM F8-10A — DPS CLUSTER RELAYS F8-10A — LIGHTS F2-30A — LIGHTS RY3 — START SWITCH F1-10A — ACCESSORY RY5 — IGNITION COIL INJECTOR FUEL PUMP F6-10A — 4WD ACTUATOR F9-10A — F12-25A — COOLING FAN RY1 — ACC 2 F4-20A — ACC 1 F3-20A — BRAKE LIGHTS F7-10A — BRAKE RY6

BAT REG PF4:40A — PF4 — RD-12 — RD/GY-12

DPS PF2:40A — PF2 — RD-14 — RD/PK-14

RECTIFIER / REGULATOR REG — RD/GY-10 — BK-10 — BN1-

JT RD/GY — JT RD/GY 1 — JT OG/GN — JT RD/BG — JT RD/YE — JT VT/BU

ACCESSORY DC5 DC5_C COVER — RD/VT-18 — BK-18 — JT BK 3 — JT BK 4 — JT RD/VT

ACCESSORY DC6 DC6_C COVER — RD/VT-18 — BK-18 — JT BK 3 — JT BK 4

COOLING FAN FT — BN/WH-16 — BK-16 — BU — BK — JT BK 2

REAR LIGHT RL — JT WH/OG — JT VT/WH 1 — WH/OG-20 — VT/WH-20 — BK-20 — JT BK 4

RD/BN-18 — BK-18 — DC2-(+) — DC1-(–) — JT BK 3 — JT RD/BN

ACCESSORY DC3 DC3_C COVER — RD/BN-18 — BK-18 — JT BK 3

DIAGNOSTIC CONNECTOR DB — OG/GN-18 — RD/PK-16 — JT WH/BK — JT WH/BG — WH/BK-20 — WH/BG-20 — BK-16 — JT BK 4 — S12V — U12V — WAKE UP — CAN LO — CAN HI — GROUND

ECM CONNECTOR B — ECMB

MAIN RELAY CONTROL	H2	OG/BU-20
LIGHTS / ACC RELAY CONTROL	G1	OG-20
COOLING FAN RELAY CONTROL	J4	OG/WH-20
BRAKE SIGNAL INPUT	C3	WH/OG-20
CAN HI	C1	WH/BG-20
CAN LO	C2	WH/BK-20
WAKE UP	A2	WH/VT-20
HEATER CONTROL	L2	BN/GN-20
O² SIGNAL (+)	D2	WH/PK-20
O² SIGNAL (-)	J1	BK/PK-20
5V SENSOR 2	J3	GY/VT-22
GROUND SENSOR 2	B3	GY/BK-22
SIGNAL SENSOR 2	A3	GY/GN-22
5V SENSOR 1	K1	OG/VT-22
GROUND SENSOR 1	K3	OG/BK-22
SIGNAL SENSOR 1	E1	OG/GN-22
SPORT MODE (RIGHT)	D4	YE/GN-20
D GND	H4	BK/GY-20
ECO MODE (LEFT)	C4	YE/RD-20
FUEL PUMP CONTROL	M1	
SOLENOID CTRL	L4	OG/BN-20
START SIGNAL	D1	BK/YE-20
S12V	M4	BG-20
DATA	B2	
D GND	F2	
RUN SWITCH	E4	YE-20
OVR SIGNAL (OVR)	F3	VT/OG-20
D GND	B1	VT/GY-20
OVR SIGNAL (FREE)	D3	VT/YE-20
	M2	BK-18
	M3	BK-18
	L1	BK-18

OXYGEN SENSOR HO2S1 — VT/BU-18 — BN/GN-20 — WH/PK-20 — BK/PK-20 — SENSOR

THROTTLE ACCELERATOR SENSOR TAS — HALL — HALL

SS1-(–) — STARTER RELAY — D2 — SS2-(+)

RFID — S12V — DATA — GROUND — CONTACT — HALL1 — BG-20 — WH/GY-20 — BK/GN-20 — BN-20 — JT BG

JT YE — JT BK 1 — JT BK 1 — JT BK 1

TO ENGINE HARNESS HIC

S12V COILS	D	VT/BU-18
S12V INJECTORS	E	VT/BU-18
S12V 4WD ACTUATOR	F	VT/GN-20
4WD STATUS	H	BK/BG-20
GROUND	G	BK-20
610/1000 4X4 ENABLE	B	WH/BU-20
450 4X4 ENABLE	A	WH/GN-20

JT VT/GN — JT BK 4

RIGHT STEERING SWITCH RSS — WH/BU-20 — BK-20 — WH/GN-20 — YE/GN-20 — BK/GY-20 — YE/RD-20 — RD — WH — BK — YE/GN — GY — YE/RD — LEFT DRIVING MODE RIGHT — JT BK 3

REAR BRAKE SWITCH FRR1 — RD/OG-20 — BK-20 — JT BK 4

DPS POWER STEERING — JT RD/PK — OG/GN-20 — RD/PK-18 — RD/PK-18 — RD/PK-18 — WH/BG-20 — WH/BK-20 — JT WH/BG — JT WH/BK — BK-18 — BK-18 — BK-18 — BN2 — S12V — U12V — U12V — U12V — CAN HI — CAN LO — GROUND — GROUND — GROUND

REMOTE WINCH SWW — VT/GN-18 — LT BU-18 — GN/BU-18 — OUT — IN

SW4 — BK-18 — JT BK 6 — D5 — D6 — BK-18 — BK-18 — BK-18 — GN/BU-18 — LT BU-18 — SW1- — SW2- — SW3-

WINCH RELAY

FUEL PUMP FP — BK/BU-18 — VT/BU-18 — BN/PK-20 — VT/PK-20

DIGITAL DISPLAY CI

BK/BG-20	4WD ON
BN/PK-20	FUEL LEVEL SIGNAL
VT/PK-20	FUEL LEVEL GROUND
OG/GN-20	S12V
BG/WH-20	U12V
VT/OG-20	DPS MODE
WH/BG-20	CAN HI
WH/BK-20	CAN LO
BU-20	HIGH BEAM
BK-20	GROUND

JT VT/OG — JT WH/BG — JT WH/BK — JT BK 1

LEFT STEERING SWITCHES — OVERRIDE/ DPS MODE — MG1EX — VT/YE-20 — MG1 — TBD — WH — OG — VT/OG-20 — VT/GY-20

ENGINE STOP SWITCH — OFF — RUN — BK/WH — YE — BN — BU/YE — YE-20 — YE-20 — BN-20 — RD/BU-18

LEFT STEERING SWITCHES — START SWITCH — MG2 — BK — RD/VT — YE/RD — RD/YE — BG-20 — BK/YE-20 — BG/WH-20 — RD/BU-18 — JT BG/WH — JT RD/BU

HEADLAMP SWITCH — OFF — LO — LO+HI — LO — HI — GN — BU — GN-18 — BU-18

JT GN — JT BU

AUX LIGHTS POWER — BU-18 — DC5_1-

LEFT HEADLIGHT HL_L — BU-20 — GN-20 — BK-20 — JT BK 2

RIGHT HEADLIGHT HL_R — BU-20 — GN-20 — BK-20 — JT BK 4

BN1 — BK-12 — BK-14 — JT BK 1 — JT BK 2 — JT BK 3 — JT BK 4 — BK-16 — BK-10 — BK-20 — BK-18 — BK-18 — BK-18 — BK-16 — BK-20 — BK-18 — BK-20 — BK-20 — BK-18 — BK-18 — BK-18 — BK-18 — BK-20 — BK-18 — BK-18 — BK-18 — BK-18 — BK-20 — BK-20 — REG+ — CI- — ECMB-11 — ECMB-M3 — ECMB-M2 — FT-A — HL_L+3 — RSS+ — DC1(+) — DC5-1 — DC5-A — HL_R+3 — HIC-10 — DB-5 — DC6-A — RL-3 — FRR1-1

PAGE 01

REF: 710007268 REV: A

2021 Outlander 450/570 (North American models) with digital display

MAIN HARNESS

REF: 710007265, 710007266 | REV: A

2021
MAIN HARNESS
Outlander T 450 - no ABS

LINE TYPES
- 55 / 60 VOLTS
- 12 VOLTS SWITCHED
- 12 VOLTS UNSWITCHED
- 5 OR 3.3 VOLTS
- DIGITAL SIGNAL
- POWER CONTROL
- ANALOG SIGNAL
- COMMUNICATION
- A-D GROUND
- POWER GROUND
- AC VOLTAGE

NOTE: AN INTERNAL SWITCH IS CONNECTED BETWEEN PIN 2 AND PIN 8 OF THE TRAILER CONNECTOR. IT IS NORMALLY CLOSED. THE CONTACT IS OPEN WHEN A TRAILER IS CONNECTED

PAGE 01
REF: 710006714 REV:

2021
MAIN HARNESS
Outlander T 450 - with ABS

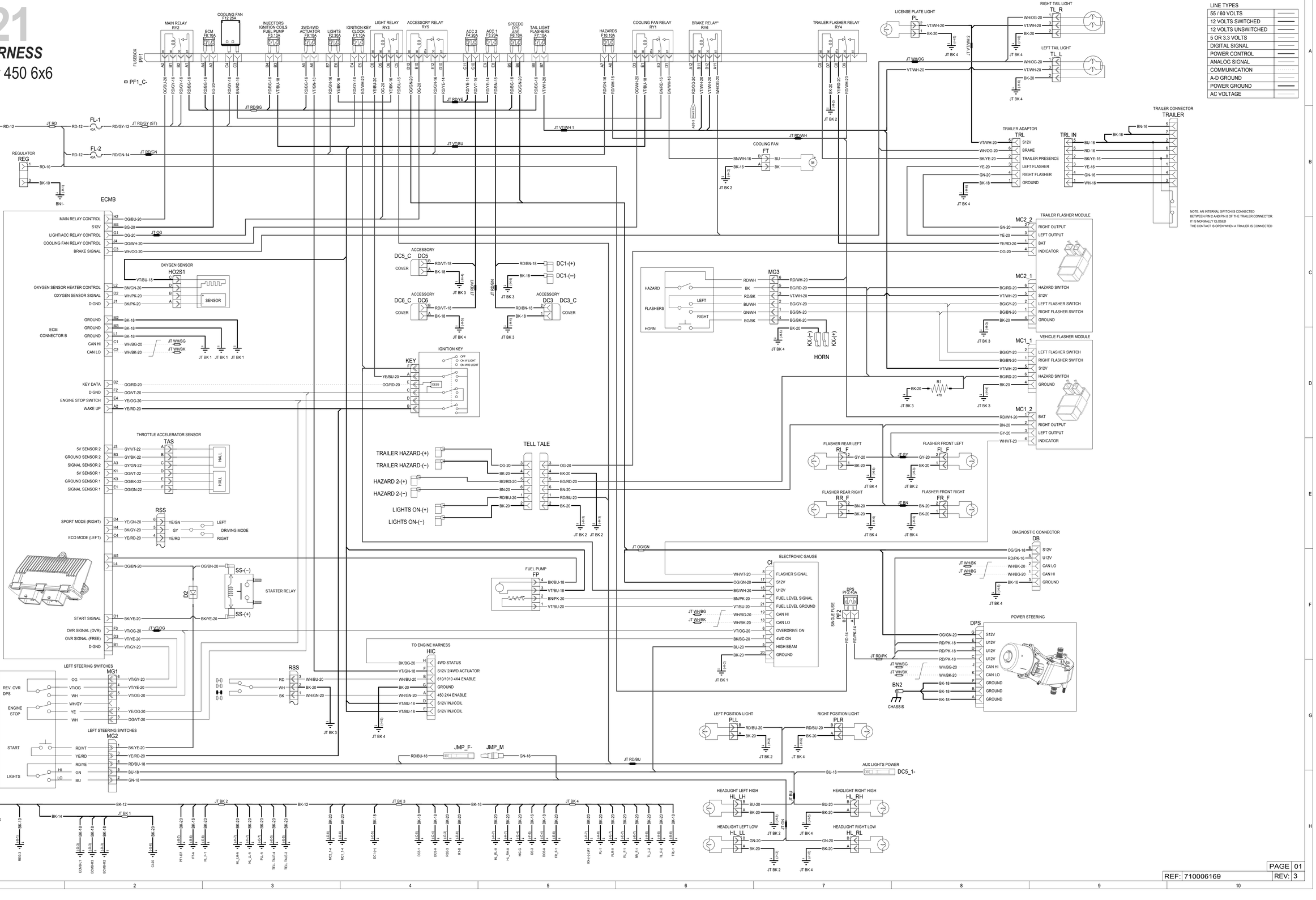
PF1_C-

LINE TYPES
- 55 / 60 VOLTS
- 12 VOLTS SWITCHED
- 12 VOLTS UNSWITCHED
- 5 OR 3.3 VOLTS
- DIGITAL SIGNAL
- POWER CONTROL
- ANALOG SIGNAL
- COMMUNICATION
- A-D GROUND
- POWER GROUND
- AC VOLTAGE

NOTE: AN INTERNAL SWITCH IS CONNECTED BETWEEN PIN 2 AND PIN 8 OF THE TRAILER CONNECTOR. IT IS NORMALLY CLOSED THE CONTACT IS OPEN WHEN A TRAILER IS CONNECTED

PAGE 01
REF: 710006169 REV: 3

2021
MAIN HARNESS
Outlander 450 6x6

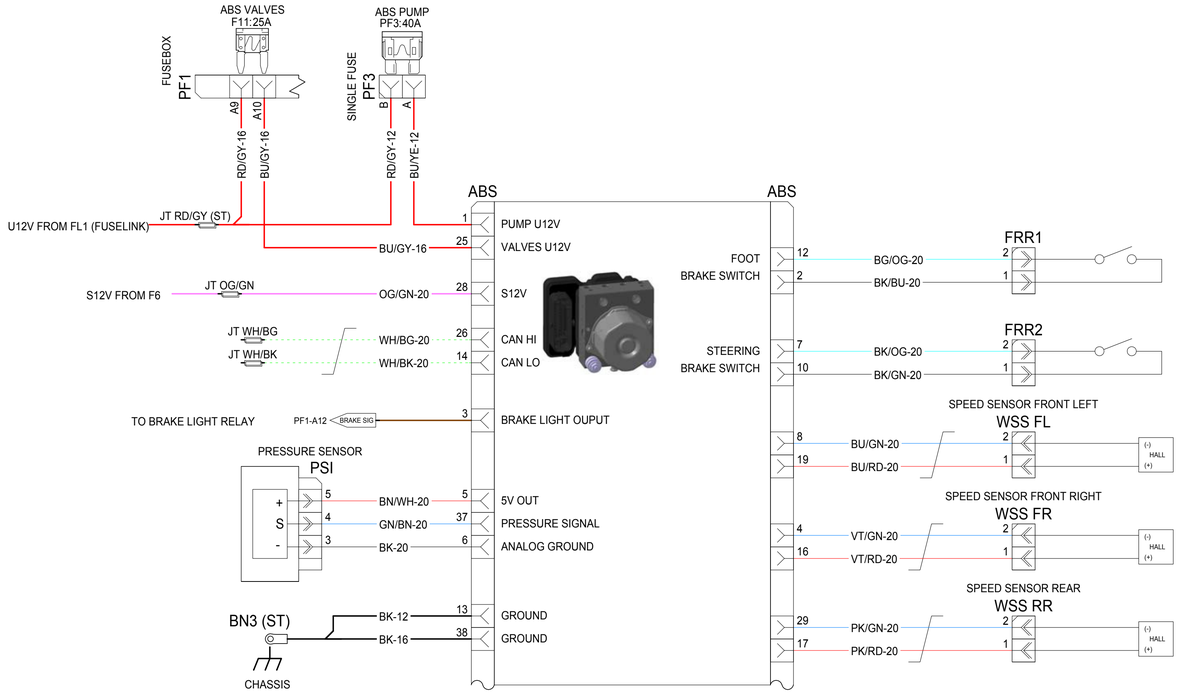


PAGE 01

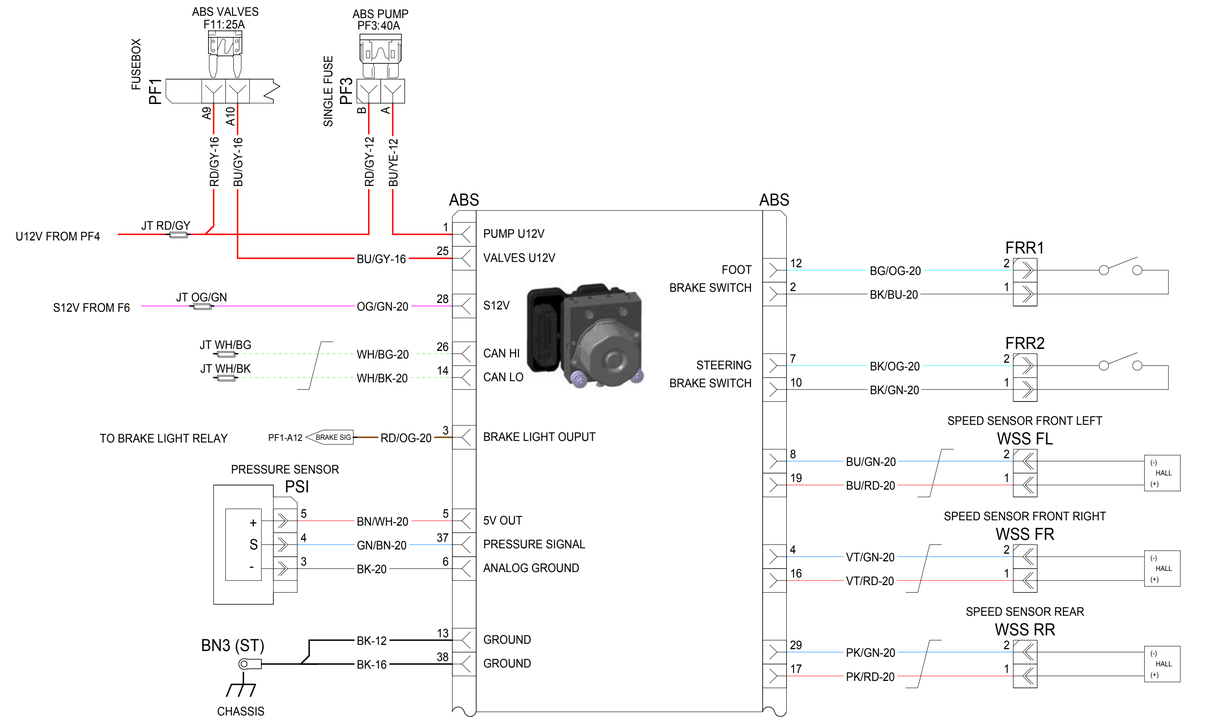
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2021 ABS SYSTEM

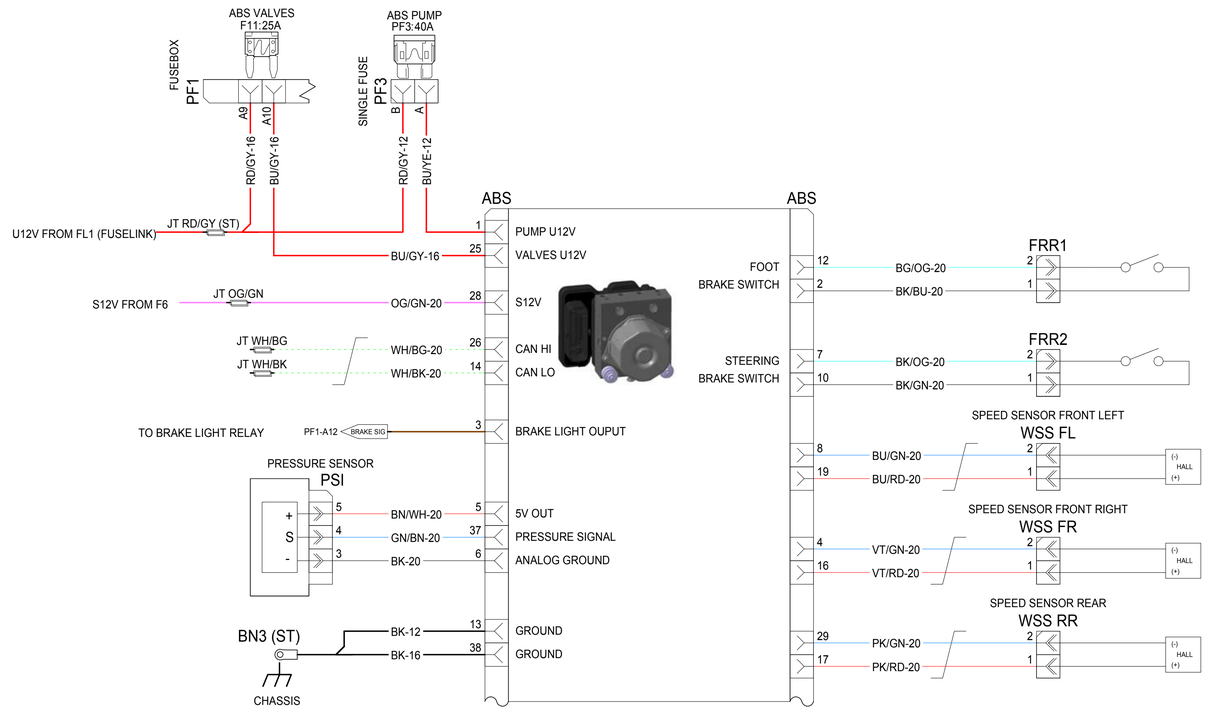
Outlander T 450



Outlander T (except 450)



Renegade T

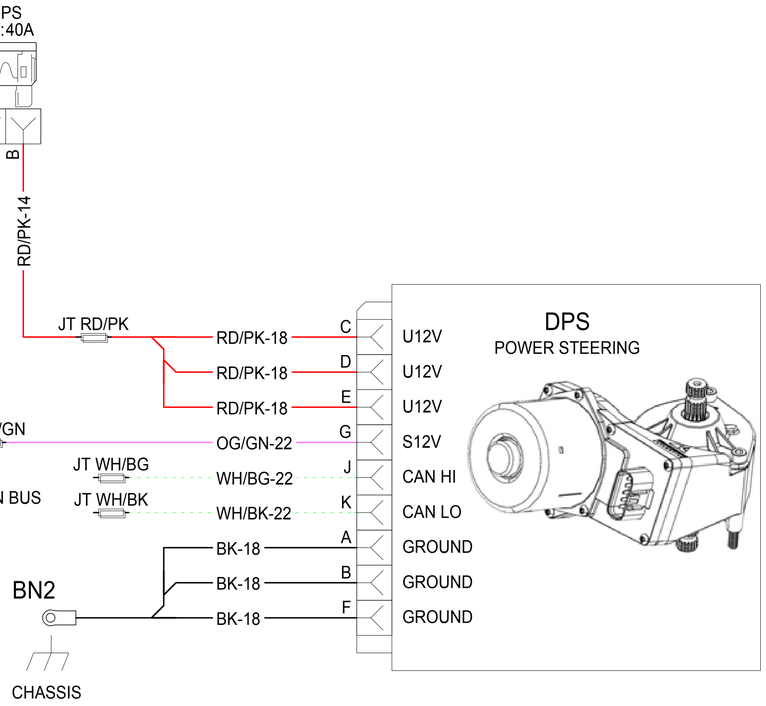


LINE TYPES

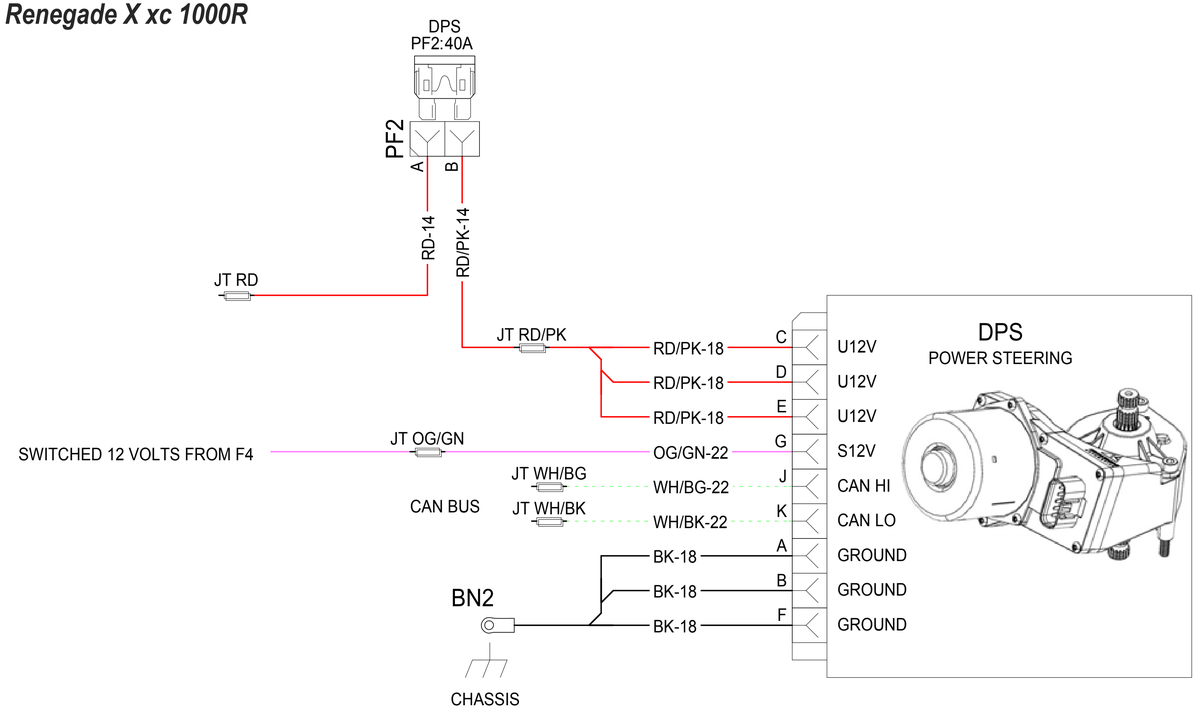
55 / 60 VOLTS	
12 VOLTS SWITCHED	
12 VOLTS UNSWITCHED	
5 OR 3.3 VOLTS	
DIGITAL SIGNAL	
POWER CONTROL	
ANALOG SIGNAL	
COMMUNICATION	
A-D GROUND	
POWER GROUND	
AC VOLTAGE	

2021 DPS SYSTEM

NORTH AMERICA
Outlander DPS 850



OUTSIDE NORTH AMERICA
Outlander X mr 570 with analog gauge
Outlander X xc 1000R
Outlander MAX 450 DPS with analog gauge
Outlander MAX 570 DPS with analog gauge
Renegade X xc 650
Renegade X xc 1000R



LINE TYPES

55 / 60 VOLTS	
12 VOLTS SWITCHED	
12 VOLTS UNSWITCHED	
5 OR 3.3 VOLTS	
DIGITAL SIGNAL	
POWER CONTROL	
ANALOG SIGNAL	
COMMUNICATION	
A-D GROUND	
POWER GROUND	
AC VOLTAGE	

For all other models, refer to specific Main Harness diagrams

2021

MAIN HARNESS

Outlander 570 - North America
Renegade 570
Outlander 6x6
(except 450)

LINE TYPES	
55 / 60 VOLTS	
12 VOLTS SWITCHED	
12 VOLTS UNSWITCHED	
5 OR 3.3 VOLTS	
DIGITAL SIGNAL	
POWER CONTROL	
ANALOG SIGNAL	
COMMUNICATION	
A-D GROUND	
POWER GROUND	
AC VOLTAGE	

BAT
REG
PF4-40A

DPS
PF2-40A

PF4

PF2

FUSEBOX
PF1

KEY SWITCH
F8: 5A

MAIN POWER
RY2

IGNITION COILS INJECTORS
F5: 5A

ECM
F6: 5A

RELAYS DPS GAUGE
F4: 5A

FUEL PUMP
F15: 5A

FUEL PUMP
RY4

COOLING FAN
F9: 25A

COOLING FAN
RY1

HEADLAMPS
F11: 30A

HEADLAMPS
RY5

BRAKE LIGHTS
RY8

ACCESSORY
F14: 15A

ACCESSORY
RY3

WINCH
F7: 5A

DC OUT
F12: 15A

BP1
TO BATTERY
RD-12
JT RD
JT RD/GY
RD/GY-10

RECTIFIER / REGULATOR
REG
RD/GY-10
BK-10
BN1-

JT RD/BG
JT BU/GY
JT OG/GN
JT OG/BK
JT RD/YE
JT RD/BN
JT RD/GY
RD/GY-12
JT RD/GY 1
JT VT/RD

DPS
POWER STEERING
JT RD/PK
RD/PK-18
JT WH/BG
JT WH/BK
WH/BG-20
WH/BK-20
OG/GN-20
BK-18
BN2
U12V
CAN HI
CAN LO
GROUND

DIAGNOSTIC
DB
RD/PK-16
RD/BN-18
OG/GN-20
WH/BK-20
WH/BG-20
BK-16
S12V

DC3
DC3_C
COVER
RD/BN-18
BK-18

DC2-(+)
DC1-(–)

RIGHT TAIL LIGHT
TL_R
LEFT TAIL LIGHT
TL_L
RD/VT-22
WH/OG-22
BK-22

ACC
DC5
DC5_C
DC6
DC6_C
RD/VT-18

LICENCE PLATE LIGHT
PL
RD/VT-22
BK-22

COOLING FAN
FT
BN/WH-16
BK-16
BU
BK

FUEL PUMP
FP
BK/RD-18
BK-20
BN/PK-22
VT/PK-22

REAR BRAKE SWITCH
FRR1
RD/OG-20
BK-20

INTER CONNECTOR
HIC2
MAIN RELAY CONTROL
S12V
ECM S12V
S12V 4WD ACTUATOR
GND 4WD ACTUATOR
STOP SWITCH
GROUND
OG/BU-22
VT/BU-18
VT/RD-20
VT/RD-20
BK-18
BK/WH-22
BK-16
BK-16

INTER CONNECTOR
HIC1
FUEL PUMP RELAY CONTROL
COOLING FAN RELAY CONTROL
2/4WD CONTROL (ALL EXCEPT 450)
HEADLAMP / ACC RELAY CONTROL
BK/BU-22
OG/WH-22
WH-22
OG/BK-22

RIGHT STEERING SWITCHES
RSS
2X4
4X4
BK
WH/BK
WH
BU
RD
WH-22
BK-22

BRAKE SWITCH
U12V
RD/OG-20
BG-22

2/4WD STATUS
REV. OVERRIDE SWITCH
CAN HI
CAN LO
DESS DATA
LOW POWER GROUND
STARTER CONTROL
WAKE UP / START
GROUND
BK/BG-22
VT/GY-22
WH/BG-22
WH/BK-22
OG/RD-22
BU/BK-20
OG/BN-20
VT/BG-20
BK-22

WAKE_M
WAKE_F-
SS1-(–)
SS2-(+)
STARTER RELAY
D2
VT/BG-20
OG/BN-20

RFID
RF DESS
S12V
DATA
GROUND
CONTACT
HALL
VT/RD-22
OG/RD-22
BU/BK-20
OG/VT-22

CI
VIP CLUSTER
OG/GN-20
BN/PK-22
VT/PK-22
S12V
FUEL LEVEL SIGNAL
FUEL LEVEL GROUND
BG-22
U12V
BK/BG-22
VT/GY-22
4WD ENABLED SWITCH
REV. OVER
WH/BG-22
WH/BK-22
CAN HI
CAN LO
BU-22
BK-22
HIGH BEAM
GROUND

AUXILIARY LIGHT POWER
DC5-1-
BU-20

LEFT HIGH HEADLAMP
HL_LH
RIGHT HIGH HEADLAMP
HL_RH
LEFT LOW HEADLAMP
HL_LL
RIGHT LOW HEADLAMP
HL_RL
BU-20
BK-20
GN-20

LEFT STEERING SWITCHES
MG2
START SWITCH
HEADLAMP SWITCH
LO
HI
OFF
LO
LO+HI
RD/VT
YE/RD
BK
RD/YE
GN
BU
VT/BG-20
BG-22
VT/RD-22
RD/BU-16
GN-18
BU-18

LEFT STEERING SWITCHES
MG1
OFF
ENGINE STOP SWITCH
RUN
REVERSE OVERRIDE
BU/YE
BK/WH
YE
BN
OG
WH
RD/BU-16
BK/WH-22
BK/WH-22
OG/VT-22
VT/GY-22
BK-22

REMOTE WINCH
SWW
OUT
IN
RD/BK-20
LT BU-18
GN/BU-18

SW4
D5
D6
SW1-
SW2-
SW3-

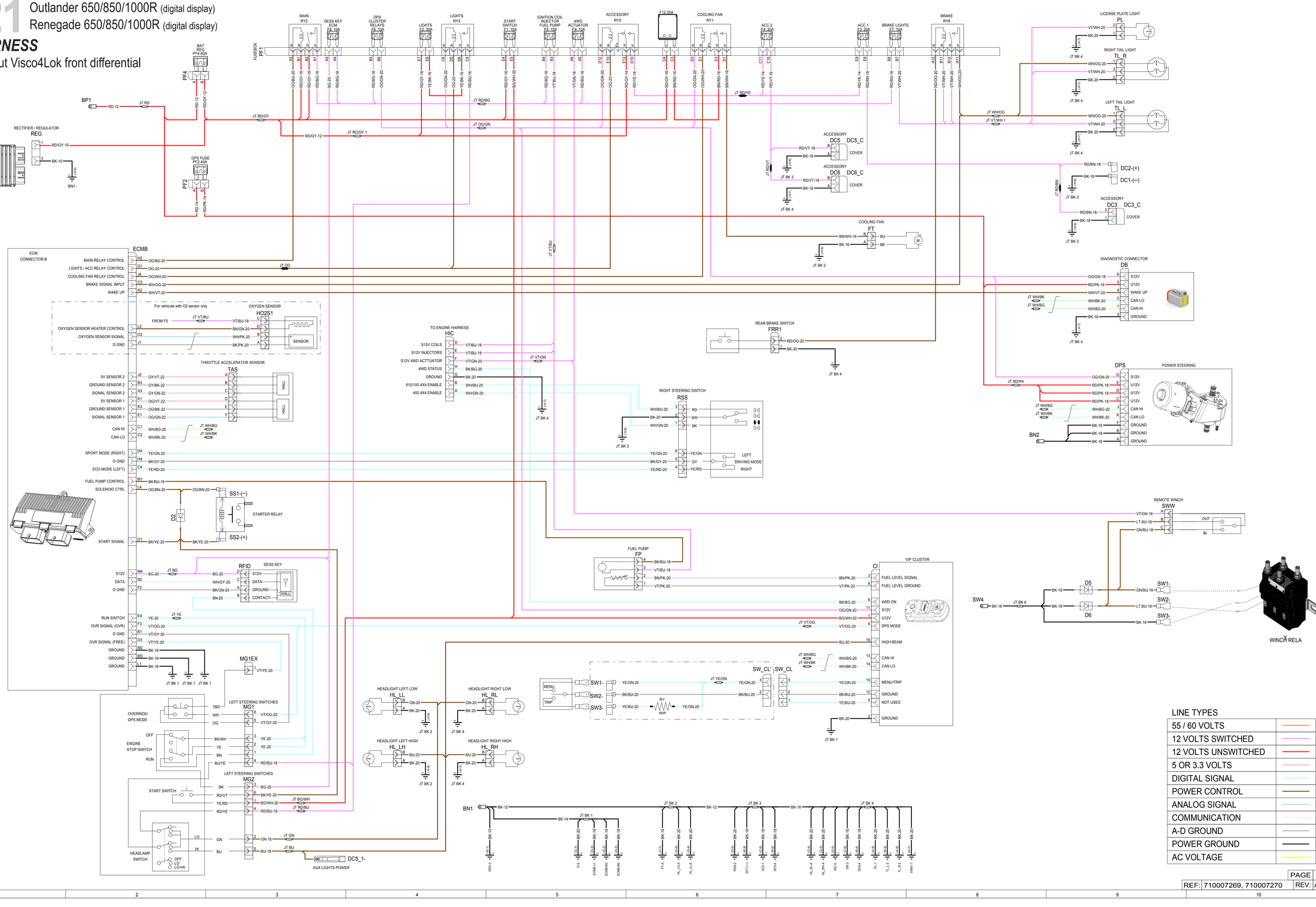
WINCH RELAY

BN1
BK-12
BK-14
BK-10
REG-3
BK-22
BK-16
BK-18
BK-20
JT BK 1
JT BK 2
JT BK 3
JT BK 6

2021 Outlander 650/850/1000R (digital display) Renegade 650/850/1000R (digital display)

MAIN HARNESS

Models without Visco4Lok front differential



LINE TYPES

55 / 60 VOLTS	
12 VOLTS SWITCHED	
12 VOLTS UNSWITCHED	
5 OR 3.3 VOLTS	
DIGITAL SIGNAL	
POWER CONTROL	
ANALOG SIGNAL	
COMMUNICATION	
A-D GROUND	
POWER GROUND	
AC VOLTAGE	

REF: 710007269, 710007270 REV: A

2021

Main harness

X mr models with Visco4Lok front differential

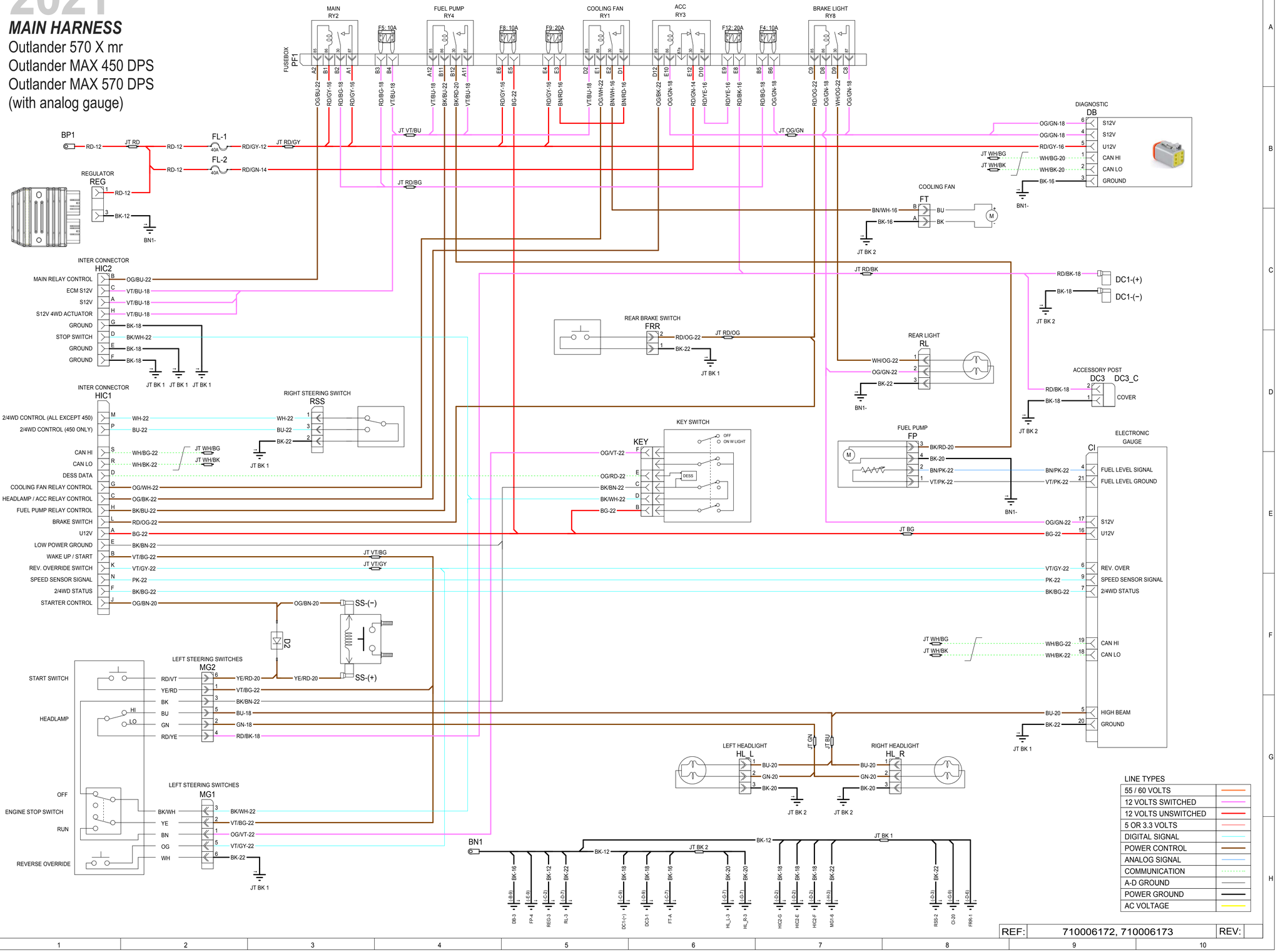
LINE TYPES
55 / 60 VOLTS
12 VOLTS SWITCHED
12 VOLTS UNSWITCHED
5 OR 3.3 VOLTS
DIGITAL SIGNAL
POWER CONTROL
ANALOG SIGNAL
COMMUNICATION
A-D GROUND
POWER GROUND
AC VOLTAGE

PAGE	01
REF:	710007272, 710007273
REV:	A

2021

MAIN HARNESS

Outlander 570 X mr
Outlander MAX 450 DPS
Outlander MAX 570 DPS
(with analog gauge)



LINE TYPES

55 / 60 VOLTS	
12 VOLTS SWITCHED	
12 VOLTS UNSWITCHED	
5 OR 3.3 VOLTS	
DIGITAL SIGNAL	
POWER CONTROL	
ANALOG SIGNAL	
COMMUNICATION	
A-D GROUND	
POWER GROUND	
AC VOLTAGE	

REF: 710006172, 710006173 REV:

2021
MAIN HARNESS
Renegade T

LINE TYPES
- 55 / 60 VOLTS
- 12 VOLTS SWITCHED
- 12 VOLTS UNSWITCHED
- 5 OR 3.3 VOLTS
- DIGITAL SIGNAL
- POWER CONTROL
- ANALOG SIGNAL
- COMMUNICATION
- A-D GROUND
- POWER GROUND
- AC VOLTAGE

MAIN RELAY RY2 · COOLING FAN F10 25A · ECM F8 10A · INJECTORS IGNITION COILS FUEL PUMP F5 10A · 2WD/4WD ACTUATOR F9 10A · LIGHTS F2 30A · IGNITION KEY CLOCK F1 10A · LIGHT RELAY RY3 · ACCESSORY RELAY RY5 · ACC 2 F4 20A · ACC 1 F3 20A · SPEEDO DPS ABS F6 10A · TAIL LIGHT FLASHERS F7 10A · HAZARDS F10 10A · COOLING FAN RELAY RY1 · BRAKE RELAY* RY6 · TRAILER FLASHER RELAY RY4

FUSEBOX PF1

BP1 · TO BATTERY · FL-1 40A · FL-2 40A · REGULATOR REG · BN1- · JT RD · JT RD/GY (ST) · JT RD/GN · JT RD/BG · JT RD/YE · JT VT/BU · JT VT/WH 1 · JT RD/WH · JT OG

ECMB

ECM CONNECTOR B: MAIN RELAY CONTROL · S12V · LIGHT/ACC RELAY CONTROL · COOLING FAN RELAY CONTROL · BRAKE SIGNAL · OXYGEN SENSOR HEATER CONTROL · OXYGEN SENSOR SIGNAL · D GND · GROUND · GROUND · GROUND · CAN HI · CAN LO · KEY DATA · D GND · ENGINE STOP SWITCH · WAKE UP

OXYGEN SENSOR HO2S1 · SENSOR · JT WH/BG · JT WH/BK · JT BK 1

THROTTLE ACCELERATOR SENSOR TAS · 5V SENSOR 2 · GROUND SENSOR 2 · SIGNAL SENSOR 2 · 5V SENSOR 1 · GROUND SENSOR 1 · SIGNAL SENSOR 1 · HALL

RSS · SPORT MODE (RIGHT) · ECO MODE (LEFT) · YE/GN · BK/GY · YE/RD · LEFT · DRIVING MODE · RIGHT

START SIGNAL · OVR SIGNAL (OVR) · OVR SIGNAL (FREE) · D GND · JT VT/OG · STARTER RELAY · SS-(−) · SS-(+) · D2

LEFT STEERING SWITCHES MG1 · REV. OVR DPS · ENGINE STOP · OG · VT/OG · WH · WH/GY · YE · WH · VT/GY-20 · VT/YE-20 · VT/OG-20 · YE/OG-20 · OG/VT-20

LEFT STEERING SWITCHES MG2 · START · LIGHTS · HI · LO · RD/VT · YE/RD · RD/YE · GN · BU · BK/YE-20 · YE/RD-20 · RD/BU-18 · BU-18 · GN-18

RSS · RD · WH · BK · WH/BU-20 · BK-20 · WH/GN-20 · JT BK 3

ACCESSORY DC5_C DC5 · COVER · RD/VT-18 · BK-18 · JT BK 3 · JT BK 4 · JT RD/VT · JT RD/BN

ACCESSORY DC6_C DC6 · COVER · RD/VT-18 · BK-18 · JT BK 4

RD/BN-18 · DC1-(+) · BK-18 · DC1-(−) · JT BK 3

ACCESSORY DC3_C DC3 · COVER · RD/BN-18 · BK-18 · JT BK 3

IGNITION KEY · KEY · OFF · ON W/ LIGHT · ON W/O LIGHT · DI/SS · YE/BU-20 · OG/RD-20

TELL TALE · TRAILER HAZARD(1)(+) · TRAILER HAZARD(1)(−) · HAZARD 2-(+) · HAZARD 2-(−) · LIGHTS ON(1)(+) · LIGHTS ON(1)(−) · OG-20 · BK-20 · BG/RD-20 · BN-20 · RD/BU-20 · JT BK 2

TO ENGINE HARNESS HIC · VT/BU-18 · VT/BU-18 · VT/GN-18 · WH/BU-20 · WH/GN-20 · BK/BG-20 · BK-20 · S12V INJ/COIL · S12V INJ/C · S12V 2/4W ACTUATOR · 610/1010 4X4 ENABLE · 450 2X4 ENABLE · 4WD STATUS · GROUND · JT BK 4

FUEL PUMP FP · BK/BU-18 · VT/BU-18 · BN/PK-20 · VT/BU-20

MENU · TRIP · SW1- · SW2- · SW3- · YE/BU-20 · BK/BU-20 · YE/GN-20 · SW_CL' SW_CL · JT BK 1

VIP MID GAUGE CL · GY-20 · BN-20 · OG/GN-20 · BG/WH-20 · BN/PK-20 · VT/BU-20 · WH/BG-20 · WH/BK-20 · BK/BG-20 · VT/OG-20 · YE/BU-20 · BK/BU-20 · YE/GN-20 · BK-20 · BU-20 · LEFT FLASHER · RIGHT FLASHER · S12V · U12V · FUEL LEVEL SIGNAL · FUEL LEVEL GROUND · CAN HI · CAN LO · 4WD ON · DPS MODE · MODE · GROUND · SET · GROUND · HIGH BEAM

SINGLE FUSE PF2 · DRS PF2-BA · RD-14 · RD/PK-14

HAZARD FLASHERS · LEFT · RIGHT · HORN · RD/WH · BK · RD/BK · BU/WH · GN/WH · BG/BK · MG3 · RD/WH-20 · BG/RD-20 · VT/WH-20 · BG/GY-20 · BG/BN-20 · BG/BK-20 · BK-20 · KX-(+) · KX-(+) · HORN

COOLING FAN FT · BN/WH-16 · BK-16 · BU · BK · JT BK 2 · JT BK 4

LICENSE PLATE LIGHT PL · VT/WH-20 · BK-20 · JT WH/OG · JT VT/WH 2

RIGHT TAIL LIGHT TL_R · LEFT TAIL LIGHT TL_L · WH/OG-20 · VT/WH-20 · BK-20 · JT BK 4

TRAILER ADAPTOR TRL · TRL IN · VT/WH-20 · WH/OG-20 · BK/YE-20 · YE-20 · GN-20 · BK-18 · BU-16 · RD-16 · BK/YE-16 · YE-16 · GN-16 · WH-16 · BK-16 · JT BK 4

TRAILER CONNECTOR TRAILER · BN-16 · S12V · S12V · S12V · BRAKE · TRAILER PRESENCE · LEFT FLASHER · RIGHT FLASHER · GROUND

NOTE: AN INTERNAL SWITCH IS CONNECTED BETWEEN PIN 2 AND PIN 8 OF THE TRAILER CONNECTOR. IT IS NORMALLY CLOSED. THE CONTACT IS OPEN WHEN A TRAILER IS CONNECTED

TRAILER FLASHER MODULE MC2_2 · GN-20 · YE-20 · YE/RD-20 · OG-20 · RIGHT OUTPUT · LEFT OUTPUT · BAT · INDICATOR

MC2_1 · BG/RD-20 · VT/WH-20 · BG/GY-20 · BG/BN-20 · BK-20 · HAZARD SWITCH · S12V · LEFT FLASHER SWITCH · RIGHT FLASHER SWITCH · GROUND

VEHICLE FLASHER MODULE MC1_1 · BG/GY-20 · BG/BN-20 · VT/WH-20 · BG/RD-20 · BK-20 · LEFT FLASHER SWITCH · RIGHT FLASHER SWITCH · S12V · HAZARD SWITCH · GROUND

R1 · 470 · BK-20 · JT BK 3

MC1_2 · RD/WH-20 · BN-20 · GY-20 · BAT · RIGHT OUTPUT · LEFT OUTPUT

FLASHER REAR LEFT RL_F · FLASHER FRONT LEFT FL_F · FLASHER REAR RIGHT RR_F · FLASHER FRONT RIGHT FR_F · GY-20 · BN-20 · BK-20 · JT GY · JT BN · JT BK 2 · JT BK 4

DIAGNOSTIC CONNECTOR DB · OG/GN-18 · RD/PK-16 · WH/BK-20 · WH/BG-20 · BK-16 · S12V · U12V · CAN LO · CAN HI · GROUND · JT WH/BK · JT WH/BG · JT BK 4

POWER STEERING DPS · OG/GN-20 · RD/PK-18 · RD/PK-18 · RD/PK-18 · WH/BG-20 · WH/BK-20 · BK-18 · BK-18 · BK-18 · S12V · U12V · U12V · U12V · CAN HI · CAN LO · GROUND · GROUND · GROUND · JT RD/PK · JT WH/BG · JT WH/BK · BN2 · CHASSIS

LEFT POSITION LIGHT PLL · RIGHT POSITION LIGHT PLR · RD/BU-20 · BK-20 · JT BK 2 · JT BK 4

JMP_F- · JMP_M · RD/BU-18 · GN-18 · JT RD/BU · BU-18 · AUX LIGHTS POWER · DC5_1-

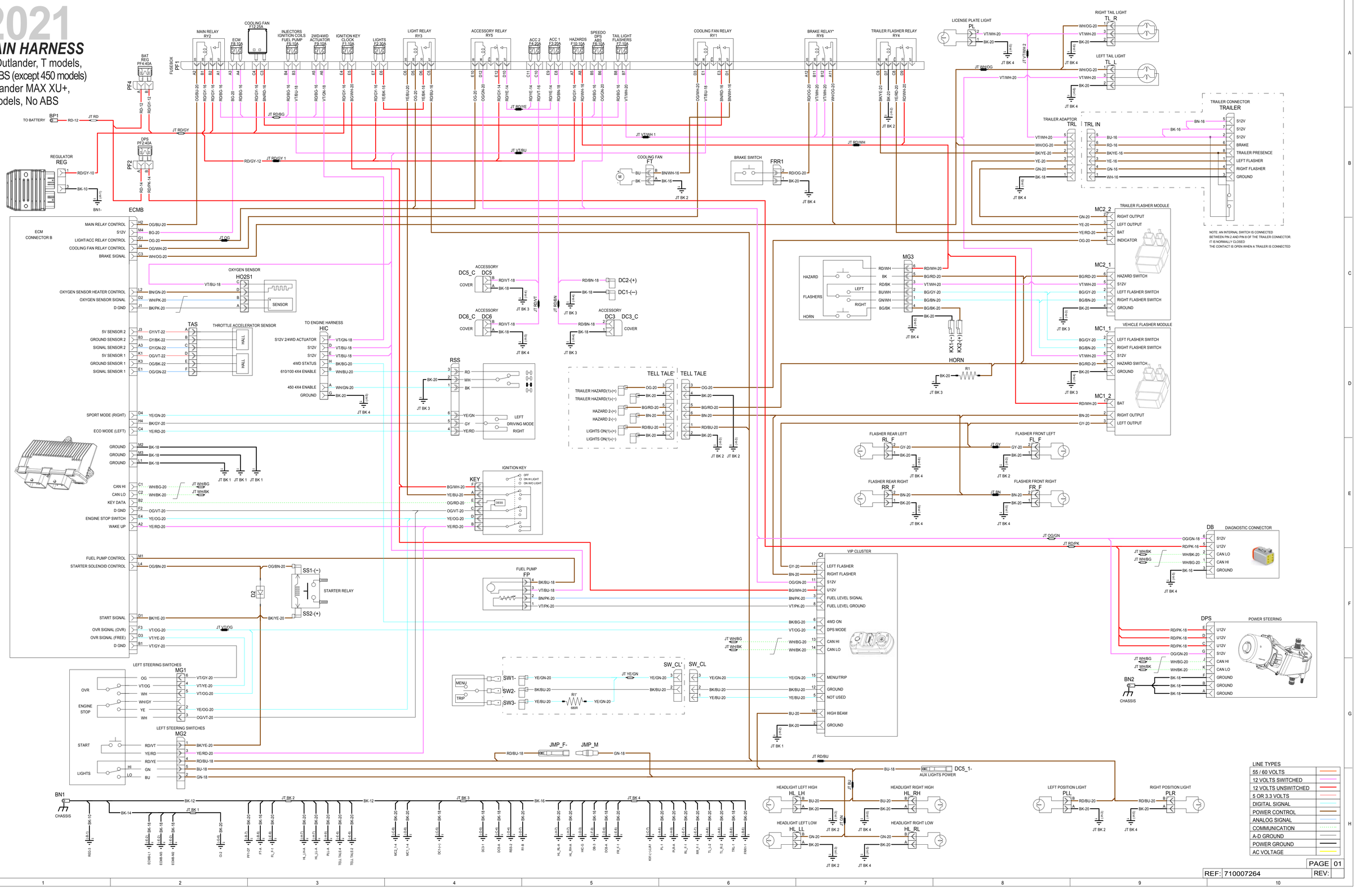
HEADLIGHT LEFT HIGH HL_LH · HEADLIGHT RIGHT HIGH HL_RH · HEADLIGHT LEFT LOW HL_LL · HEADLIGHT RIGHT LOW HL_RL · BU-20 · BK-20 · GN-20 · JT BU · JT GN · JT BK 2 · JT BK 4

BN1 · CHASSIS · BK-12 · BK-14 · BK-10 · BK-18 · BK-16 · BK-20 · JT BK 1 · JT BK 2 · JT BK 3 · JT BK 4

2021

MAIN HARNESS

All Outlander, T models,
no ABS (except 450 models)
Outlander MAX XU+,
T models, No ABS



LINE TYPES
55 / 60 VOLTS
12 VOLTS SWITCHED
12 VOLTS UNSWITCHED
5 OR 3.3 VOLTS
DIGITAL SIGNAL
POWER CONTROL
ANALOG SIGNAL
COMMUNICATION
A-D GROUND
POWER GROUND
AC VOLTAGE

REF: 710007264 REV:

2021 *MAIN HARNESS* Outlander T ABS with digital display (except 450)

MAIN RELAY RY2 · COOLING FAN F12 20A · ECM F8 10A · INJECTORS IGNITION COILS FUEL PUMP F5 10A · 2WD/4WD ACTUATOR F9 10A · IGNITION KEY CLOCK F1 10A · LIGHTS F2 30A · LIGHT RELAY RY3 · ACCESSORY RELAY RY5 · ACC 2 F4 20A · ACC 1 F3 20A · HAZARDS F10 10A · SPEEDO DPS ABS F6 10A · TAIL LIGHT FLASHERS F7 10A · COOLING FAN RELAY RY1 · BRAKE RELAY* RY6 · TRAILER FLASHER RELAY RY4

BP1 TO BATTERY · BAT REG PF4 40A · DPS PF2 40A · REGULATOR REG · BN1- · FUSEBOX PF1

ECMB · ECM CONNECTOR B

MAIN RELAY CONTROL · S12V · LIGHT/ACC RELAY CONTROL · COOLING FAN RELAY CONTROL · BRAKE SIGNAL

OXYGEN SENSOR HO2S1 · OXYGEN SENSOR HEATER CONTROL · OXYGEN SENSOR SIGNAL · D GND

TAS THROTTLE ACCELERATOR SENSOR · 5V SENSOR 2 · GROUND SENSOR 2 · SIGNAL SENSOR 2 · 5V SENSOR 1 · GROUND SENSOR 1 · SIGNAL SENSOR 1

TO ENGINE HARNESS HIC · S12V 2/4WD ACTUATOR · S12V · S12V · 4WD STATUS · 610/100 4X4 ENABLE · 450 4X4 ENABLE · GROUND

SPORT MODE (RIGHT) · ECO MODE (LEFT)

GROUND · GROUND · GROUND

CAN HI · CAN LO · KEY DATA · D GND · ENGINE STOP SWITCH · WAKE UP

FUEL PUMP CONTROL · STARTER SOLENOID CONTROL · STARTER RELAY D2 · SS1-(–) · SS2-(+)

START SIGNAL · OVR SIGNAL (OVR) · OVR SIGNAL (FREE) · D GND

LEFT STEERING SWITCHES MG1 · OVR · ENGINE STOP

LEFT STEERING SWITCHES MG2 · START · LIGHTS · HI · LO

RSS · LEFT · DRIVING MODE · RIGHT

ACCESSORY DC5_C DC5 · ACCESSORY DC6_C DC6 · DC2-(+) · DC1-(–) · ACCESSORY DC3 DC3_C

TELL TALE · TRAILER HAZARD(1)(+) · TRAILER HAZARD(1)(–) · HAZARD 2(+) · HAZARD 2(–) · LIGHTS ON(1)(+) · LIGHTS ON(1)(–)

IGNITION KEY · KEY · OFF · ON W/LIGHT · ON W/O LIGHT · DESS

FUEL PUMP FP

COOLING FAN FT

VIP CLUSTER CI · LEFT FLASHER · RIGHT FLASHER · S12V · U12V · FUEL LEVEL SIGNAL · FUEL LEVEL GROUND · 4WD ON · DPS MODE · CAN HI · CAN LO · MENU/TRIP · NOT USED · HIGH BEAM · GROUND

SW_CL' SW_CL · MENU · TRIP · SW1- · SW2- · SW3- · R1' 680R

JMP_F- JMP_M

HAZARD FLASHERS · LEFT · RIGHT · HORN

MG3 · KX1(–) KX2(+)

R1

LICENSE PLATE LIGHT PL

RIGHT TAIL LIGHT TL_R · LEFT TAIL LIGHT TL_L

TRAILER ADAPTOR TRL · TRL IN

TRAILER CONNECTOR TRAILER · S12V · S12V · S12V · BRAKE · TRAILER PRESENCE · LEFT FLASHER · RIGHT FLASHER · GROUND

NOTE: AN INTERNAL SWITCH IS CONNECTED BETWEEN PIN 2 AND PIN 8 OF THE TRAILER CONNECTOR. IT IS NORMALLY CLOSED. THE CONTACT IS OPEN WHEN A TRAILER IS CONNECTED

TRAILER FLASHER MODULE MC2_2 · RIGHT OUTPUT · LEFT OUTPUT · BAT · INDICATOR

MC2_1 · HAZARD SWITCH · S12V · LEFT FLASHER SWITCH · RIGHT FLASHER SWITCH · GROUND

VEHICLE FLASHER MODULE MC1_1 · LEFT FLASHER SWITCH · RIGHT FLASHER SWITCH · S12V · HAZARD SWITCH · GROUND

MC1_2 · BAT · RIGHT OUTPUT · LEFT OUTPUT

FLASHER REAR LEFT RL_F · FLASHER FRONT LEFT FL_F · FLASHER REAR RIGHT RR_F · FLASHER FRONT RIGHT FR_F

DB DIAGNOSTIC CONNECTOR · S12V · U12V · CAN LO · CAN HI · GROUND

DPS POWER STEERING · U12V · U12V · U12V · S12V · CAN HI · CAN LO · GROUND · GROUND · GROUND

BN2 CHASSIS

AUX LIGHTS POWER DC5_1-

HEADLIGHT LEFT HIGH HL_LH · HEADLIGHT RIGHT HIGH HL_RH · HEADLIGHT LEFT LOW HL_LL · HEADLIGHT RIGHT LOW HL_RL

LEFT POSITION LIGHT PLL · RIGHT POSITION LIGHT PLR

BN1 CHASSIS

LINE TYPES

55 / 60 VOLTS
12 VOLTS SWITCHED
12 VOLTS UNSWITCHED
5 OR 3.3 VOLTS
DIGITAL SIGNAL
POWER CONTROL
ANALOG SIGNAL
COMMUNICATION
A-D GROUND
POWER GROUND
AC VOLTAGE

PAGE 01

REF: 710007271 REV:

2021 *Engine Harness 450*

(Models with digital gauge)

LINE TYPES
55 / 60 VOLTS
12 VOLTS SWITCHED
12 VOLTS UNSWITCHED
5 OR 3.3 VOLTS
DIGITAL SIGNAL
POWER CONTROL
ANALOG SIGNAL
COMMUNICATION
A-D GROUND
POWER GROUND
AC VOLTAGE

SPEED SENSOR — HALL — VSS
- A — VT/BU-18 — JT 4
- B — PK-18
- C — GN/BN-18

OXYGEN SENSOR (464334 ONLY) — SENSOR (+ / -) — HO2S1
- C — VT/BU-18
- D — BN/GY-18 — BN/GY-18 — L2 — O2 SENSOR HEATER CONTROL
- B — WH/OG-18 — WH/OG-18 — G4 — O2 SENSOR SIGNAL (+)
- A — GN/BN-18

COOLANT TEMPERATURE SENSOR — CTS
- 2 — GN/BN-18 — JT 3 — GN/BN-18 — C3 — SIGNAL GND
- 1 — BG/OG-18 — BG/OG-18 — F4 — COOLANT TEMP. SIGNAL

CRANKSHAFT POSITION SENSOR — CPS
- 1 — BU/YE-18 — E1 — CPS (+)
- 2 — YE/WH-18 — D1 — CPS (-)

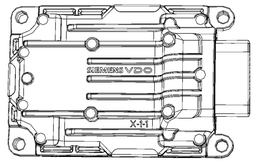
OIL PRESSURE SWITCH — OPS — ENGINE
- 1 — LT BU-18 — LT BU-18 — E2 — OIL PRESSURE SWITCH

INSIDE THE TRANSMISSION — GEAR SW
- 1 — BU-18 — J3
- 2 — BN-18 — H4
- 3 — YE/GN-18 — H2

THROTTLE POSITION SENSOR — TPS
- SIGNAL — 3 — WH/BN-18 — WH/BN-18 — G3 — TPS SIGNAL
- GROUND — 2 — BU/BK-18
- 5V — 1 — BU/RD-18

MANIFOLD PRESSURE AND AIR TEMPERATURE SENSOR — MAPTS
- 5V — 3 — BU/RD-18 — JT 2 — BU/RD-18 — A1 — 5V
- PRESSURE — 4 — GY/BU-18 — F2 — PRESSURE SIGNAL
- TEMPERATURE — 2 — WH/GY-18 — F3 — TEMPERATURE SIGNAL
- GROUND — 1 — BU/BK-18 — JT 1 — BU/BK-18 — G2 — GROUND

ECM — ELECTRONIC CONTROL MODULE



ECM
- IGNITION COIL — A2 — BN/OG-16 — VT/BU-18 — COIL — IGNITION COIL
- FUEL INJECTOR — A3 — BK/RD-18 — VT/BU-18 — INJ — FUEL INJECTOR
- WINDING 1 — D3 — GY/WH-18
- WINDING 2 — E4 — GY/GN-18
- WINDING 2 — C4 — GY/BK-18
- WINDING 1 — D4 — GY/VT-18 — IACV — IDLE AIR CONTROL VALVE (A, B, C, D; M)
- POWER RELAY CONTROL — K1 — OG/BU-18 — OG/BU-18 — HIC2 B — POWER RELAY CONTROL
- S12V POWER — L1 — VT/BU-16 — JT 5 — VT/BU-16 — HIC2 C — S12V; VT/BU-16 — HIC2 A — S12V
- STOP SWITCH — K3 — BK-18 — WH/BU-18 — HIC2 H — S12V 4WD ACTUATOR
- GROUND — M4 — BK-16 — BK/WH-18 — HIC2 G — GND 4WD ACTUATOR
- GROUND — M3 — BK-16 — BK-18 — HIC2 D — STOP SWITCH; BK-16 — HIC2 F — GROUND; BK-16 — HIC2 E — GROUND

4WD ACTUATOR — MD (M)
- 2 — WH/BU-18
- 1 — BK/WH-18
- 4 — WH-18
- 3 — BK/BG-18

ECM
- FUEL PUMP RELAY CONTROL — J1 — BK/BU-18 — BK/BU-18 — HIC1 H — FUEL PUMP RELAY CONTROL
- COOLING FAN RELAY CONTROL — B3 — OG/WH-18 — OG/WH-18 — HIC1 G — COOLING FAN RELAY CONTROL
- WH-18 — HIC1 P — 4WD ACTUATOR
- HEADLAMP / ACC RELAY CONTROL — K2 — OG/BK-18 — OG/BK-18 — HIC1 C — HEADLAMP / ACC RELAY CONTROL
- BRAKE SWITCH — J4 — RD/OG-18 — RD/OG-18 — HIC1 L — BRAKE SWITCH
- U12V — B4 — BG-20 — BG-20 — HIC1 A — U12V
- PK-18 — HIC1 N — SPEED SENSOR SIGNAL
- BK/BG-18 — HIC1 F — 4WD ENABLED SWITCH
- REV. OVERRIDE SWITCH — F1 — VT/GY-18 — VT/GY-18 — HIC1 K — REV. OVERRIDE SWITCH
- CAN HI — B1 — WH/BG-18 — WH/BG-18 — HIC1 S — CAN HI
- CAN LO — C1 — BG/GN-18 — BG/GN-18 — HIC1 R — CAN LO
- DESS DATA — H1 — OG/RD-18 — OG/RD-18 — HIC1 D — DESS DATA
- BU/BK-18 — HIC1 E — LOW POWER GROUND
- STARTER CONTROL — L3 — OG/BN-16 — OG/BN-16 — HIC1 J — STARTER CONTROL
- RUN SWITCH — A4 — VT/BG-18 — VT/BG-18 — HIC1 B — RUN SWITCH

HIC1
- B — POWER RELAY CONTROL
- C — S12V
- A — S12V
- H — S12V 4WD ACTUATOR
- G — GND 4WD ACTUATOR
- D — STOP SWITCH
- F — GROUND
- E — GROUND
- H — FUEL PUMP RELAY CONTROL
- G — COOLING FAN RELAY CONTROL
- P — 4WD ACTUATOR
- C — HEADLAMP / ACC RELAY CONTROL
- L — BRAKE SWITCH
- A — U12V
- N — SPEED SENSOR SIGNAL
- F — 4WD ENABLED SWITCH
- K — REV. OVERRIDE SWITCH
- S — CAN HI
- R — CAN LO
- D — DESS DATA
- E — LOW POWER GROUND
- J — STARTER CONTROL
- B — RUN SWITCH

PAGE 01

REF: REV:

2021 *Engine Harness 450*
(models with analog display except T models)

LINE TYPES
55 / 60 VOLTS
12 VOLTS SWITCHED
12 VOLTS UNSWITCHED
5 OR 3.3 VOLTS
DIGITAL SIGNAL
POWER CONTROL
ANALOG SIGNAL
COMMUNICATION
A-D GROUND
POWER GROUND
AC VOLTAGE

SPEED SENSOR — HALL — VSS
- A — VT/BU-18
- B — PK-18
- C — GN/BN-18

OXYGEN SENSOR — SENSOR (+ / -) — HO2S1
- C — VT/BU-18
- D — BN/GY-18
- B — WH/OG-18
- A — GN/BN-18

COOLANT TEMPERATURE SENSOR — CTS
- 2 — GN/BN-18
- 1 — BG/OG-18

CRANKSHAFT POSITION SENSOR — CPS
- 1 — BU/YE-18
- 2 — YE/WH-18

OIL PRESSURE SWITCH — OPS
- 1 — LT BU-18

ENGINE

INSIDE THE TRANSMISSION — GEAR SW
- 1 — BU-18
- 2 — BN-18
- 3 — YE/GN-18

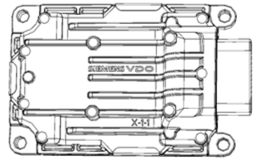
THROTTLE POSITION SENSOR — TPS
- SIGNAL — 3 — WH/BN-18
- GROUND — 2 — BU/BK-18
- 5V — 1 — BU/RD-18

MANIFOLD PRESSURE AND AIR TEMPERATURE SENSOR — MAPTS
- 5V — 3 — BU/RD-18
- PRESSURE — 4 — GY/BU-18
- TEMPERATURE — 2 — WH/GY-18
- GROUND — 1 — BU/BK-18

JT 1, JT 2, JT 3, JT 4, JT 5

ECM — ELECTRONIC CONTROL MODULE

ECM			ECM
PK-18	H3	SPEED SENSOR	
BN/GY-18	L2	O2 SENSOR HEATER CONTROL	
WH/OG-18	G4	O2 SENSOR SIGNAL (+)	
GN/BN-18	C3	SIGNAL GND	
BG/OG-18	F4	COOLANT TEMP. SIGNAL	
BU/YE-18	E1	CPS (+)	
YE/WH-18	D1	CPS (-)	
LT BU-18	E2	OIL PRESSURE SWITCH	
BU-18	J3		
BN-18	H4		
YE/GN-18	H2		
WH/BN-18	G3	TPS SIGNAL	
BU/RD-18	A1	5V	
GY/BU-18	F2	PRESSURE SIGNAL	
WH/GY-18	F3	TEMPERATURE SIGNAL	
BU/BK-18	G2	GROUND	
		IGNITION COIL	M1
		FUEL INJECTOR	L4
		WINDING 1	D3
		WINDING 2	E4
		WINDING 2	C4
		WINDING 1	D4
		POWER RELAY CONTROL	K1
		S12V POWER	L1
		STOP SWITCH	K3
		GROUND	M4
		GROUND	M3
		FUEL PUMP RELAY CONTROL	J1
		COOLING FAN RELAY CONTROL	B3
		HEADLAMP / ACC RELAY CONTROL	K2
		BRAKE SWITCH	J4
		U12V	B4
		REV. OVERRIDE SWITCH	F1
		CAN HI	B1
		CAN LO	C1
		DESS DATA	H1
		STARTER CONTROL	L3
		WAKE UP / START	A4



COIL — IGNITION COIL
- 1 — VT/BU-16
- 2 — BN/OG-16

INJ — FUEL INJECTOR
- 2 — VT/BU-18
- 1 — BK/RD-18

IACV — IDLE AIR CONTROL VALVE
- A — GY/WH-18
- B — GY/GN-18
- C — GY/BK-18
- D — GY/VT-18
- M

2x4_ACT — MD
- 2 — WH/BU-18
- 1 — BK/WH-18
- 4 — WH-18
- 3 — BK/BG-18
- M

HIC2

OG/BU-18	B	MAIN RELAY CONTROL
VT/BU-16	C	S12V INJ / COIL / VSS
VT/BU-16	A	S12V ECU / O2S
WH/BU-18	H	S12V 4WD ACTUATOR
BK/WH-18	G	GND 4WD ACTUATOR
BK-18	D	STOP SWITCH
BK-16	F	GROUND
BK-16	E	GROUND

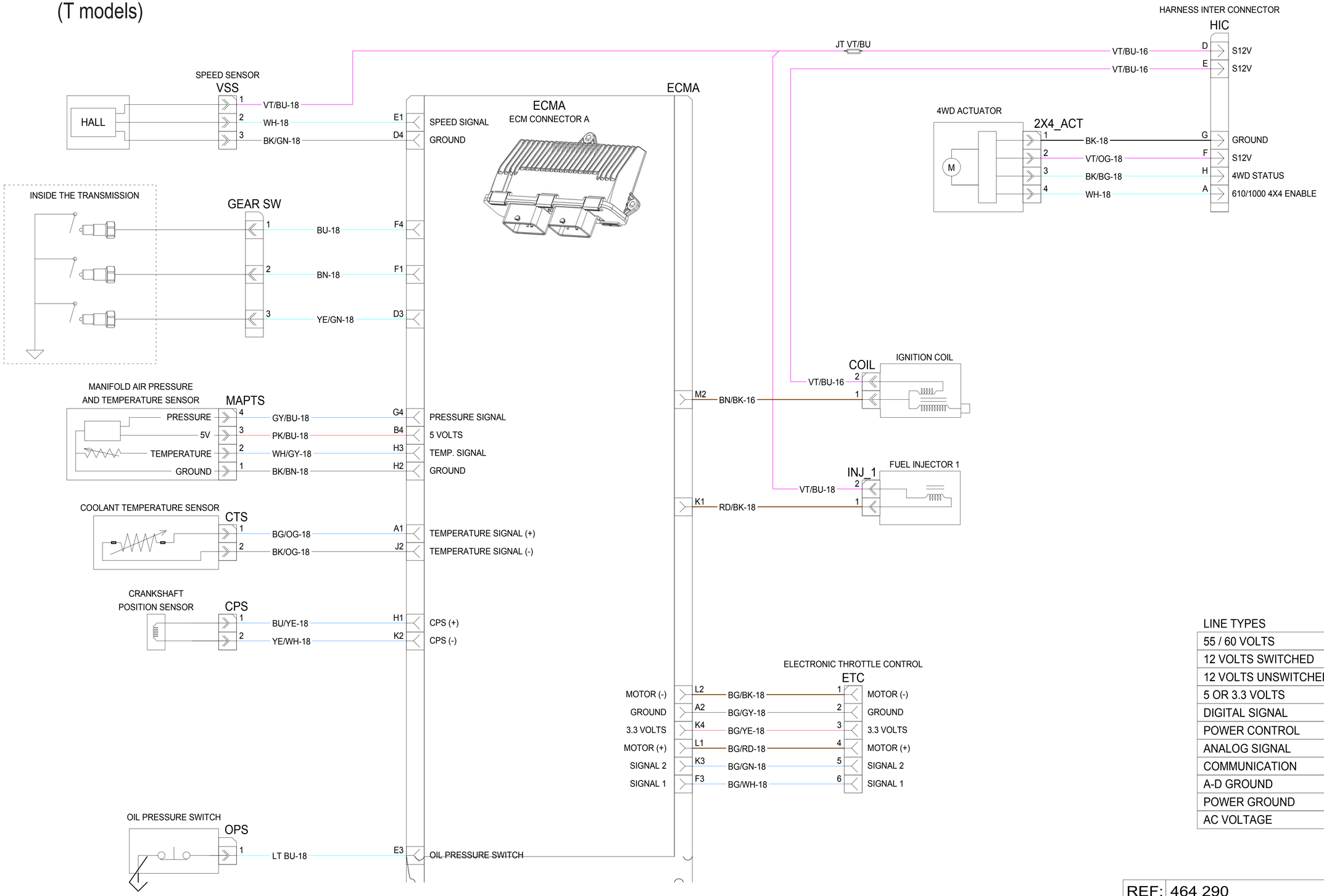
HIC1

BK/BU-18	H	FUEL PUMP RELAY CONTROL
OG/WH-18	G	COOLING FAN RELAY CONTROL
WH-18	P	2/4WD ACTUATOR
OG/BK-18	C	HEADLAMP / ACC RELAY CONTROL
RD/OG-18	L	BRAKE SWITCH
BG-18	A	U12V
BK/BG-18	F	2/4WD STATUS
VT/GY-18	K	REV. OVERRIDE SWITCH
WH/BG-18	S	CAN HI
BG/GN-18	R	CAN LO
OG/RD-18	D	DESS DATA
BU/BK-18	E	LOW POWER GROUND
OG/BN-16	J	STARTER CONTROL
VT/BG-18	B	WAKE UP / START

PAGE 01

REF: 464337 REV: 0

2021 *Engine Harness 450*
(T models)



LINE TYPES

55 / 60 VOLTS
12 VOLTS SWITCHED
12 VOLTS UNSWITCHED
5 OR 3.3 VOLTS
DIGITAL SIGNAL
POWER CONTROL
ANALOG SIGNAL
COMMUNICATION
A-D GROUND
POWER GROUND
AC VOLTAGE

2021 Engine Harness 570/650 (except 6x6)

(gearbox with external switches)

LINE TYPES

55 / 60 VOLTS
12 VOLTS SWITCHED
12 VOLTS UNSWITCHED
5 OR 3.3 VOLTS
DIGITAL SIGNAL
POWER CONTROL
ANALOG SIGNAL
COMMUNICATION
A-D GROUND
POWER GROUND
AC VOLTAGE

SPEED SENSOR — HALL — VSS
- A — VT/BU-18 — JT 4
- B — PK-18
- C — GN/BN-18

COOLANT TEMPERATURE SENSOR — CTS
- 2 — GN/BN-18 — JT 3 — GN/BN-18 — C3 — SGND
- 1 — BG/OG-18 — F4 — COOLANT TEMP. SIGNAL

FUEL INJECTOR 1 — INJ1
- 2 — VT/BU-18
- 1 — BK/RD-18 — K4 — INJ-A

FUEL INJECTOR 2 — INJ2
- 2 — VT/BU-18
- 1 — BN/BU-18 — L4 — INJ-B

CRANKSHAFT POSITION SENSOR — CPS
- 1 — BU/YE-18 — E1 — CPS (+)
- 2 — YE/WH-18 — D1 — CPS (-)

OIL PRESSURE SWITCH — OPS
- 1 — LT BU-18 — E2 — OIL PRESSURE SWITCH

ENGINE

BR — GPBS-1 — BN/GY-18 — J3 — GEAR SWITCH 1

WH — GPBS-2 — WH/RD-18 — H2 — GEAR SWITCH 2

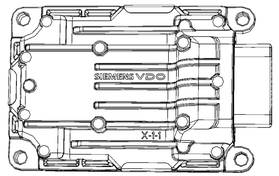
OR — GPBS-3 — OG/GY-18 — H4 — GEAR SWITCH 3

THROTTLE POSITION SENSOR — TPS
- SIGNAL — 1 — WH/BN-18 — G3 — TPS SIGNAL
- GROUND — 2 — BU/BK-18
- 5V — 3 — BU/RD-18

MANIFOLD PRESSURE AND AIR TEMPERATURE SENSOR — MAPTS
- 5V — 3 — BU/RD-18 — JT 2 — BU/RD-18 — A1 — 5V
- PRESSURE — 4 — GY/BU-18 — F2 — PRESSURE SIGNAL
- TEMPERATURE — 2 — WH/GY-18 — F3 — TEMPERATIRE SIGNAL
- GROUND — 1 — BU/BK-18 — JT 1 — BU/BK-18 — G2 — LOW POWER GROUND

ECM

ELECTRONIC CONTROL MODULE



ECM

IGN-A	M1	BN/OG-16	COIL 1
		VT/BU-16	COIL 2
IGN-B	M2	BN/BK-16	COIL 3
	L2	BN/GY-18	HO2S1 D
		VT/BU-16	HO2S1 C
	G4	WH/OG-18	HO2S1 B
		GN/BN-18	HO2S1 A
POWER RELAY CONTROL	K1	OG/BU-18	HIC2 B POWER RELAY CONTROL
		VT/BU-16	HIC2 C S12V
S12V POWER	L1	VT/BU-16 — JT 5	HIC2 A S12V
		VT/OG-18	HIC2 H S12V (2X4)
STOP SWITCH	K3	BK-18	HIC2 G GROUND (2X4)
		BK-18	HIC2 D STOP SWITCH
GROUND	M4	BK-16	HIC2 F GROUND
GROUND	M3	BK-16	HIC2 E GROUND
WINDING 1	D3	GY/WH-18	IACV A
WINDING 2	E4	GY/GN-18	IACV B
WINDING 2	C4	GY/BK-18	IACV C
WINDING 1	D4	GY/VT-18	IACV D
			4WD ACTUATOR 2X4_ACT 2 VT/OG-18
			4WD ACTUATOR 2X4_ACT 1 BK-18
			4WD ACTUATOR 2X4_ACT 4 WH-18
			4WD ACTUATOR 2X4_ACT 3 BK/BG-18
FUEL PUMP RELAY CONTROL	J1	BK/BU-18	HIC1 H FUEL PUMP RELAY CONTROL
COOLING FAN RELAY CONTROL	B3	OG/WH-18	HIC1 G COOLING FAN RELAY CONTROL
		WH-18	HIC1 M 2X4 CONTROL
HEADLAMP / ACC RELAY CONTROL	K2	OG/BK-18	HIC1 C HEADLAMP / ACC RELAY CONTROL
BRAKE SWITCH	J4	RD/OG-18	HIC1 L BRAKE SWITCH
U12V	B4	BG-20	HIC1 A U12V
		PK-18	HIC1 N SPEED SENSOR SIGNAL
		BK/BG-18	HIC1 F 2X4 SWITCH
REV. OVERRIDE SWITCH	F1	VT/GY-18	HIC1 K REV. OVERRIDE SWITCH
CAN HI	B1	WH/BG-18	HIC1 S CAN HI
CAN LO	C1	BG/GN-18	HIC1 R CAN LO
DESS DATA	H1	OG/RD-18	HIC1 D DESS DATA
SEL_MOD	G1	PK/BK-18	HIC1 P SEL_MOD
		BU/BK-18	HIC1 E LOW POWER GROUND
STARTER CONTROL	L3	OG/BN-16	HIC1 J STARTER CONTROL
RUN SWITCH	A4	VT/BG-18	HIC1 B RUN SWITCH

IGNITION COIL — COIL

OXYGEN SENSOR* — HO2S1 — SENSOR (+ / -)

IDLE AIR CONTROL VALVE — IACV

4WD ACTUATOR — 2X4_ACT

* 264797 AND 864699 ONLY

HIC2

HIC1

PAGE 01

REF: 264794, 264795, 264796, 564797, 864696 AND 864699 — REV:

2021 *Engine Harness 570* (model with analog display)

LINE TYPES
55 / 60 VOLTS
12 VOLTS SWITCHED
12 VOLTS UNSWITCHED
5 OR 3.3 VOLTS
DIGITAL SIGNAL
POWER CONTROL
ANALOG SIGNAL
COMMUNICATION
A-D GROUND
POWER GROUND
AC VOLTAGE

SPEED SENSOR — HALL — VSS
- A — VT/BU-18
- B — PK-18
- C — GN/BN-18

OXYGEN SENSOR — SENSOR (+ / -) — HO2S1
- C — VT/BU-18
- D — BN/GY-18
- B — WH/OG-18
- A — GN/BN-18

COOLANT TEMPERATURE SENSOR — CTS
- 2 — GN/BN-18
- 1 — BG/OG-18

CRANKSHAFT POSITION SENSOR — CPS
- 1 — BU/YE-18
- 2 — YE/WH-18

OIL PRESSURE SWITCH — OPS
- 1 — LT BU-18

ENGINE

IDLE AIR / CTRL VALVE — IACV
- A — GY/WH-18
- B — GY/GN-18
- C — GY/BK-18
- D — GY/VT-18

GEAR_1- — BR — BN/GY-18
GEAR_2- — WH — WH/RD-18
GEAR_3- — OR — OG/GY-18

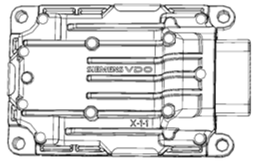
THROTTLE POSITION SENSOR — TPS
- SIGNAL — 3 — WH/BN-18
- GROUND — 2 — BU/BK-18
- 5V — 1 — BU/RD-18

MANIFOLD PRESSURE AND AIR TEMPERATURE SENSOR — MAPTS
- 5V — 3 — BU/RD-18
- PRESSURE — 4 — GY/BU-18
- TEMPERATURE — 2 — WH/GY-18
- GROUND — 1 — BU/BK-18

JT 1 · JT 2 · JT 3 · JT 4 · JT 5

ECM — ELECTRONIC CONTROL MODULE

PK-18	H3	SPEED SENSOR	
BN/GY-18	L2	O2 SENSOR HEATER CONTROL	
WH/OG-18	G4	O2 SENSOR SIGNAL (+)	
GN/BN-18	C3	SIGNAL GND	
BG/OG-18	F4	COOLANT TEMP. SIGNAL	
BU/YE-18	E1	CPS (+)	
YE/WH-18	D1	CPS (-)	
LT BU-18	E2	OIL PRESSURE SWITCH	
GY/WH-18	D3	WINDING 1	
GY/GN-18	E4	WINDING 2	
GY/BK-18	C4	WINDING 2	
GY/VT-18	D4	WINDING 1	
BN/GY-18	J3		
WH/RD-18	H2		
OG/GY-18	H4		
WH/BN-18	G3	TPS SIGNAL	
BU/RD-18	A1	5V	
GY/BU-18	F2	PRESSURE SIGNAL	
WH/GY-18	F3	TEMPERATURE SIGNAL	
BU/BK-18	G2	GROUND	



ECM

IGNITION COIL	M2	BN/BK-16	
IGNITION COIL	M1	BN/OG-16	
FUEL INJECTOR	K4	VT/BU-18	BK/RD-18
FUEL INJECTOR	L4	VT/BU-18	BN/BU-18
POWER RELAY CONTROL	K1	OG/BU-18	
S12V POWER	L1	VT/BU-16	
STOP SWITCH	K3	BK-18	
GROUND	M4	BK-16	
GROUND	M3	BK-16	
FUEL PUMP RELAY CONTROL	J1	BK/BU-18	
COOLING FAN RELAY CONTROL	B3	OG/WH-18	
HEADLAMP / ACC RELAY CONTROL	K2	OG/BK-18	
BRAKE SWITCH	J4	RD/OG-18	
U12V	B4	BG-18	
REV. OVERRIDE SWITCH	F1	VT/GY-18	
CAN HI	B1	WH/BG-18	
CAN LO	C1	BG/GN-18	
DESS DATA	H1	OG/RD-18	
STARTER CONTROL	L3	OG/BN-16	
WAKE UP / START	A4	VT/BG-18	

COIL — IGNITION COIL
- 3 — BN/BK-16
- 2 — VT/BU-16
- 1 — BN/OG-16

INJ_1 — FUEL INJECTOR 1
- 2 — VT/BU-18
- 1 — BK/RD-18

INJ_2 — FUEL INJECTOR 2
- 2 — VT/BU-18
- 1 — BN/BU-18

2x4_ACT — MD
- 2 — VT/BU-16
- 1 — BK/WH-18
- 4 — WH-18
- 3 — BK/BG-18

HIC2

OG/BU-18	B	MAIN RELAY CONTROL
VT/BU-16	C	S12V INJ / COIL / VSS
VT/BU-16	A	S12V ECU / O2S
VT/OG-18	H	S12V 4WD ACTUATOR
BK/WH-18	G	GND 4WD ACTUATOR
BK-18	D	STOP SWITCH
BK-16	F	GROUND
BK-16	E	GROUND

HIC1

BK/BU-18	H	FUEL PUMP RELAY CONTROL
OG/WH-18	G	COOLING FAN RELAY CONTROL
WH-18	M	2/4WD ACTUATOR
OG/BK-18	C	HEADLAMP / ACC RELAY CONTROL
RD/OG-18	L	BRAKE SWITCH
BG-18	A	U12V
BK/BG-18	F	2/4WD STATUS
VT/GY-18	K	REV. OVERRIDE SWITCH
WH/BG-18	S	CAN HI
BG/GN-18	R	CAN LO
OG/RD-18	D	DESS DATA
BU/BK-18	E	LOW POWER GROUND
OG/BN-16	J	STARTER CONTROL
VT/BG-18	B	WAKE UP / START

PAGE 01

REF: 464338 REV: 0

2021 Engine Harness 570/650 (except 6x6)

(gearbox with GBPS)

LINE TYPES

55 / 60 VOLTS
12 VOLTS SWITCHED
12 VOLTS UNSWITCHED
5 OR 3.3 VOLTS
DIGITAL SIGNAL
POWER CONTROL
ANALOG SIGNAL
COMMUNICATION
A-D GROUND
POWER GROUND
AC VOLTAGE

SPEED SENSOR — HALL — VSS: A VT/BU-18, B PK-18, C GN/BN-18

JT 4

COOLANT TEMPERATURE SENSOR — CTS: 2 GN/BN-18, 1 BG/OG-18

JT 3

ECM

GN/BN-18 — C3 — SGND

BG/OG-18 — F4 — COOLANT TEMP. SIGNAL

ELECTRONIC CONTROL MODULE

IGNITION COILS — BA: 1 BN/OG-16 — M1 — IGN-A; 2 VT/BU-16; 3 BN/BK-16 — M2 — IGN-B

FUEL INJECTOR 1 — INJ1: 2 VT/BU-18, 1 BK/RD-18 — K4 — INJ-A

FUEL INJECTOR 2 — INJ2: 2 VT/BU-18, 1 BN/BU-18 — L4 — INJ-B

CRANKSHAFT POSITION SENSOR — CPS: 1 BU/YE-18 — E1 — CPS (+); 2 YE/WH-18 — D1 — CPS (-)

OIL PRESSURE SWITCH — OPS: 1 LT BU-18 — E2 — OIL PRESSURE SWITCH

ENGINE

GEARBOX POSITION SENSOR — GBPS — HALL: 1 GN/BN-18, 2 WH/GY-18 — D2 — GEAR POSITION SIGNAL, 3 BU/RD-18

THROTTLE POSITION SENSOR — TPS: SIGNAL 1 WH/BN-18 — G3 — TPS SIGNAL; GROUND 2 BU/BK-18; 5V 3 BU/RD-18

MANIFOLD PRESSURE AND AIR TEMPERATURE SENSOR — MAPTS: 5V 3 BU/RD-18, PRESSURE 4 GY/BU-18, TEMPERATURE 2 WH/GY-18, GROUND 1 BU/BK-18

JT 2 — BU/RD-18 — A1 — 5V; GY/BU-18 — F2 — PRESSURE SIGNAL; WH/GY-18 — F3 — TEMPERATIRE SIGNAL

JT 1 — BU/BK-18 — G2 — LOW POWER GROUND

ECM

IDLE AIR CONTROL VALVE — IACV: A GY/WH-18 — WINDING 1 — D3; B GY/GN-18 — WINDING 2 — E4; C GY/BK-18 — WINDING 2 — C4; D GY/VT-18 — WINDING 1 — D4

POWER RELAY CONTROL — K1 — OG/BU-18

S12V POWER — L1 — VT/BU-16

STOP SWITCH — K3 — BK-18

GROUND — M4 — BK-16

GROUND — M3 — BK-16

4WD ACTUATOR — 2X4_ACT: 2 VT/OG-18, 1 BK-18, 4 WH-18, 3 BK/BG-18

FUEL PUMP RELAY CONTROL — J1 — BK/BU-18

COOLING FAN RELAY CONTROL — B3 — OG/WH-18

HEADLAMP / ACC RELAY CONTROL — K2 — OG/BK-18

BRAKE SWITCH — J4 — RD/OG-18

U12V — B4 — BG-20

SEL_MOD — G1

REV. OVERRIDE SWITCH — F1 — VT/GY-18

CAN HI — B1 — WH/BG-18

CAN LO — C1 — BG/GN-18

DESS DATA — H1 — OG/RD-18

STARTER CONTROL — L3 — OG/BN-16

RUN SWITCH — A4 — VT/BG-18

HIC2

OG/BU-18	B	POWER RELAY CONTROL
VT/BU-16	C	S12V
VT/BU-16	A	S12V
VT/OG-18	H	S12V (2X4)
BK-18	G	GROUND (2X4)
BK-18	D	STOP SWITCH
BK-16	F	GROUND
BK-16	E	GROUND

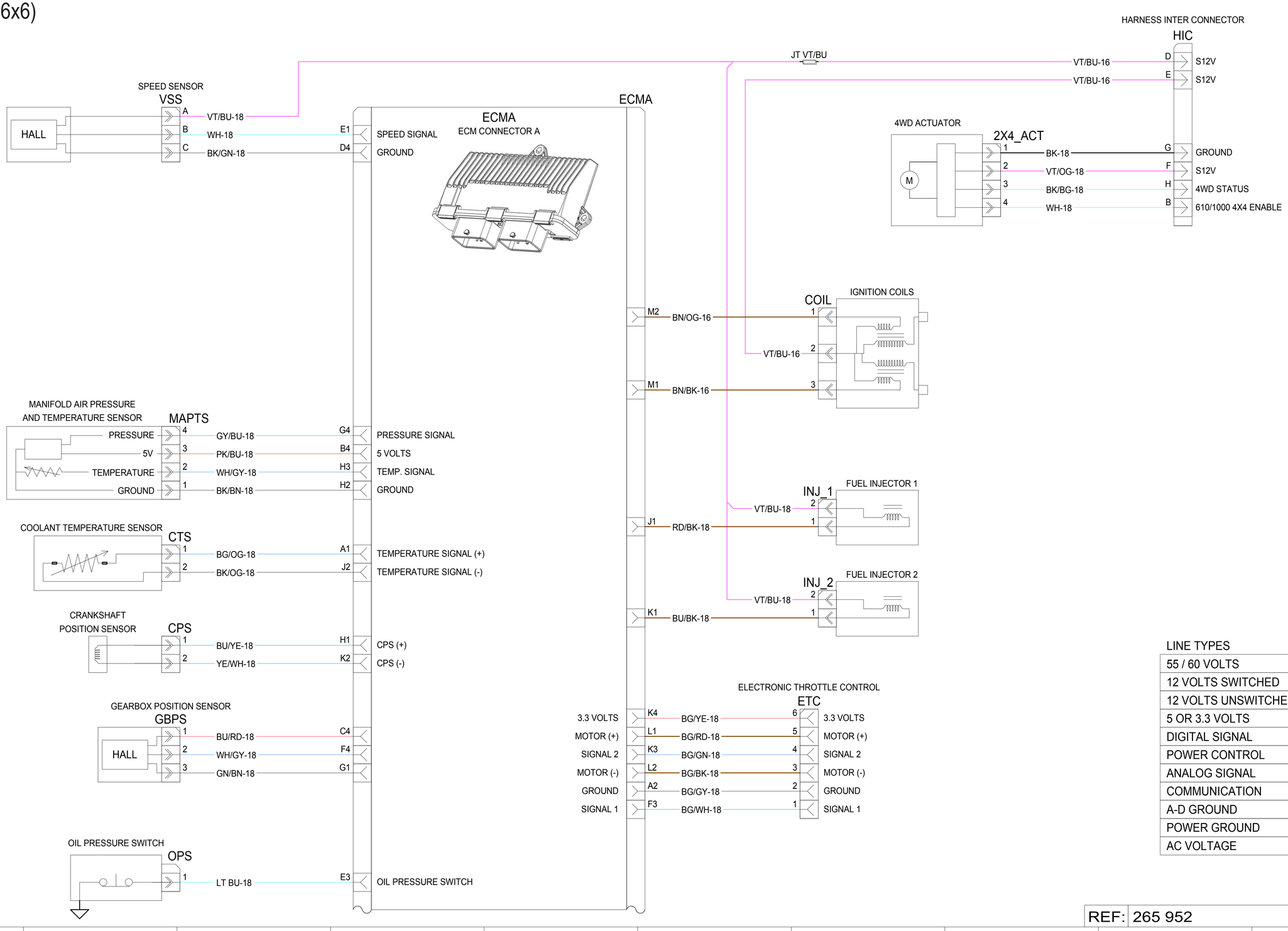
HIC1

BK/BU-18	H	FUEL PUMP RELAY CONTROL
OG/WH-18	G	COOLING FAN RELAY CONTROL
WH-18	M	2X4 CONTROL
OG/BK-18	C	HEADLAMP / ACC RELAY CONTROL
RD/OG-18	L	BRAKE SWITCH
BG-20	A	U12V
PK-18	N	SPEED SENSOR SIGNAL
BK/BG-18	F	2X4 SWITCH
	P	SEL_MOD
VT/GY-18	K	REV. OVERRIDE SWITCH
WH/BG-18	S	CAN HI
BG/GN-18	R	CAN LO
OG/RD-18	D	DESS DATA
BU/BK-18	E	LOW POWER GROUND
OG/BN-16	J	STARTER CONTROL
VT/BG-18	B	RUN SWITCH

PAGE 01

REF: 265951 AND 666577 REV:

2021 *Engine Harness 650 and 1000*
(6x6)

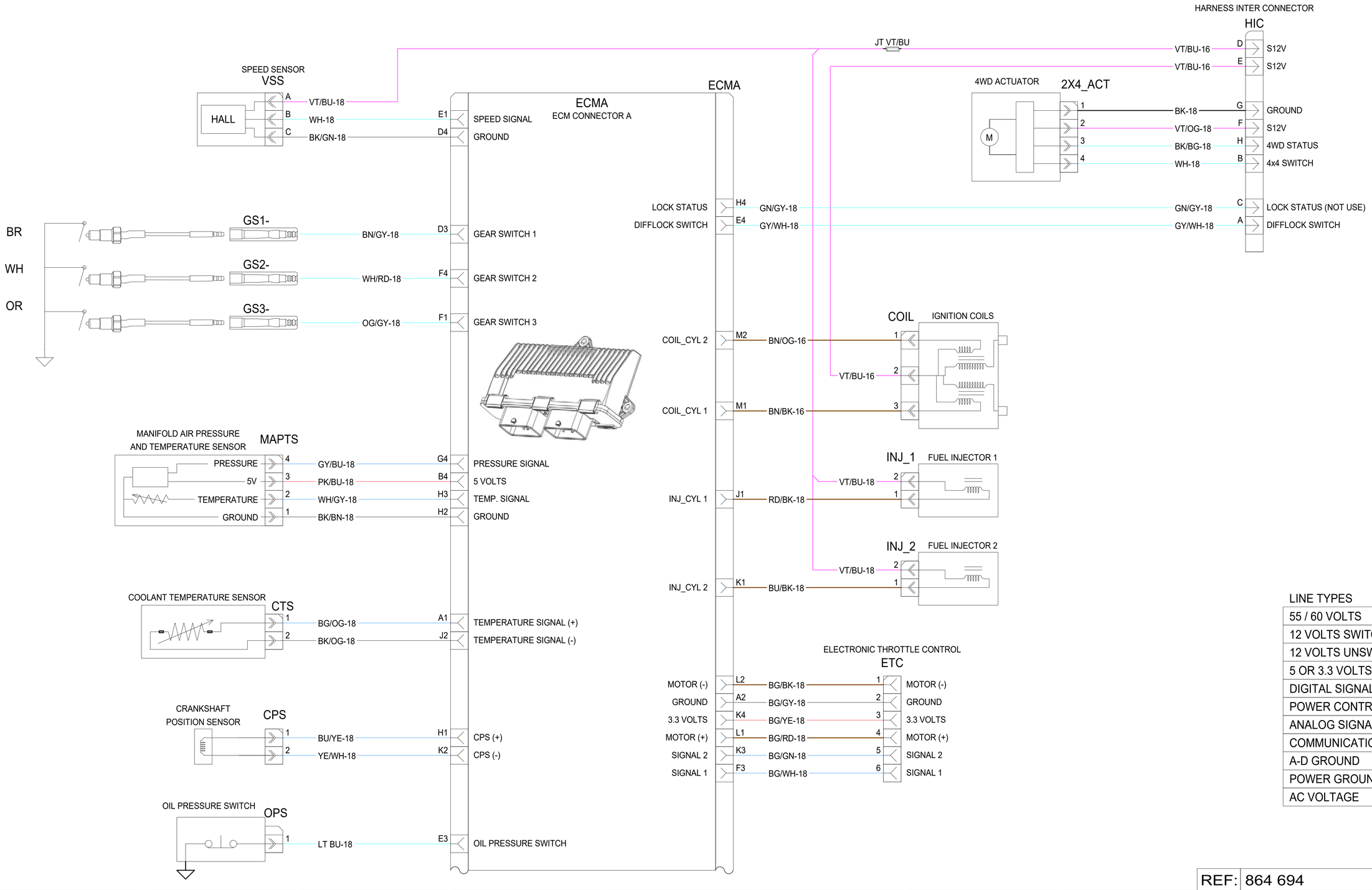


LINE TYPES
55 / 60 VOLTS
12 VOLTS SWITCHED
12 VOLTS UNSWITCHED
5 OR 3.3 VOLTS
DIGITAL SIGNAL
POWER CONTROL
ANALOG SIGNAL
COMMUNICATION
A-D GROUND
POWER GROUND
AC VOLTAGE

REF: 265 952 REV:

2021 *Engine Harness 850 X mr* (gearbox with external switches)

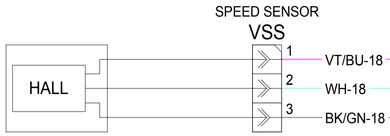
Models with Visco4Lok front differential



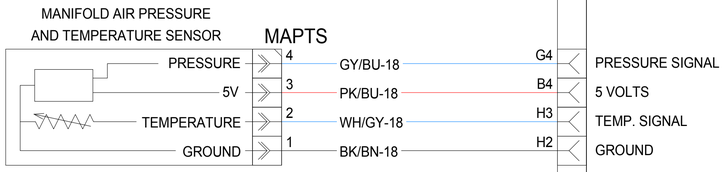
LINE TYPES	
55 / 60 VOLTS	
12 VOLTS SWITCHED	
12 VOLTS UNSWITCHED	
5 OR 3.3 VOLTS	
DIGITAL SIGNAL	
POWER CONTROL	
ANALOG SIGNAL	
COMMUNICATION	
A-D GROUND	
POWER GROUND	
AC VOLTAGE	

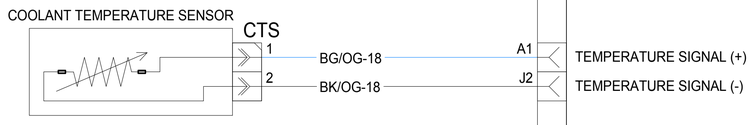
2021 *Engine Harness 850/1000R* (gearbox with GBPS)

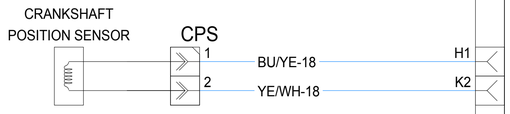
Models without Visco4Lok front differential

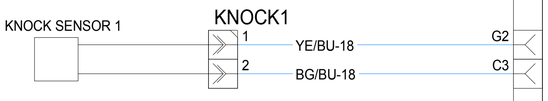


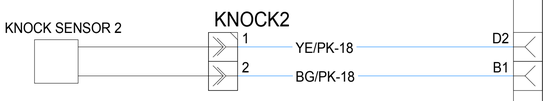


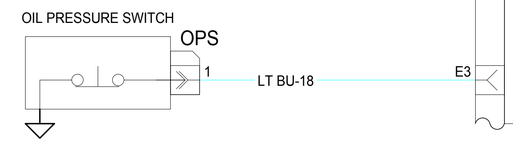


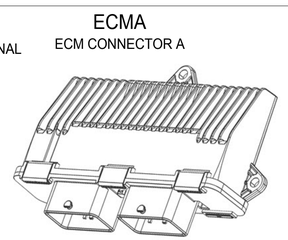


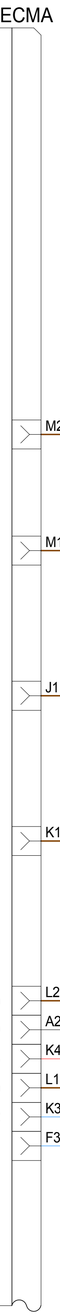


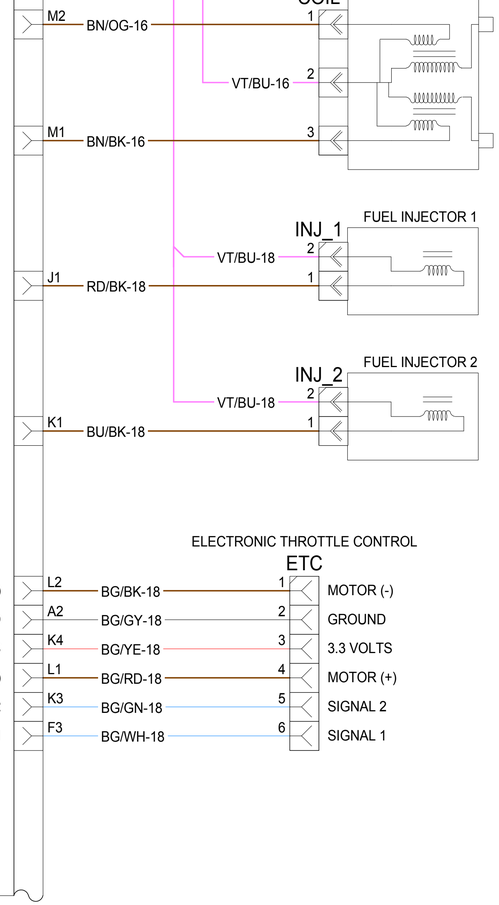


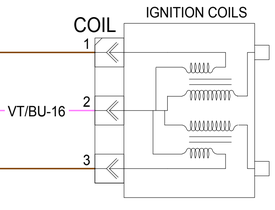


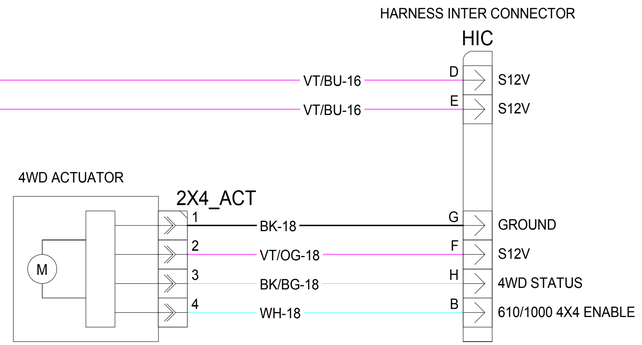












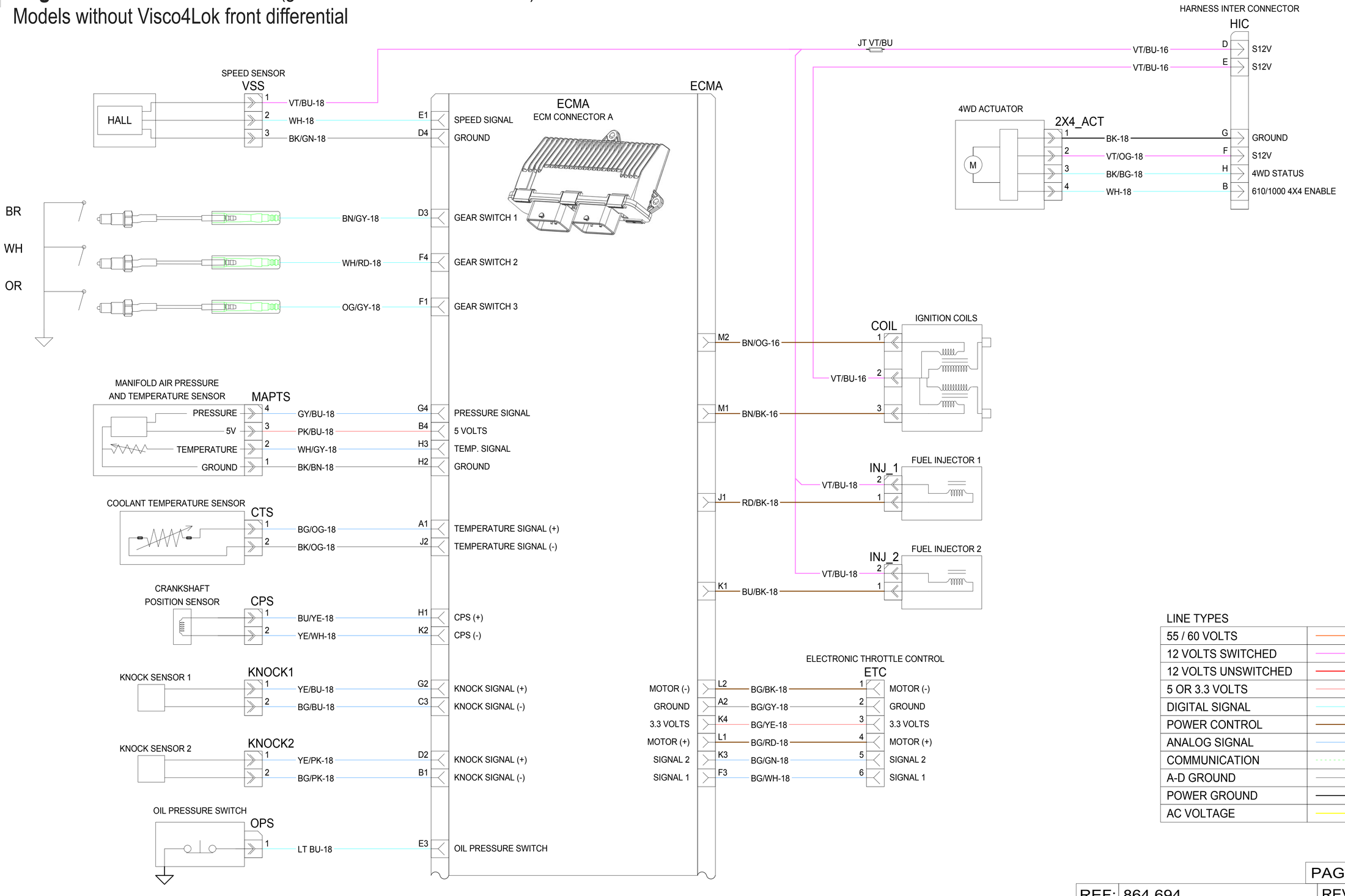
LINE TYPES

55 / 60 VOLTS	
12 VOLTS SWITCHED	
12 VOLTS UNSWITCHED	
5 OR 3.3 VOLTS	
DIGITAL SIGNAL	
POWER CONTROL	
ANALOG SIGNAL	
COMMUNICATION	
A-D GROUND	
POWER GROUND	
AC VOLTAGE	

REF: 664 554 and 664 555 REV:

2021 *Engine Harness 850/1000R* (gearbox with external switches)

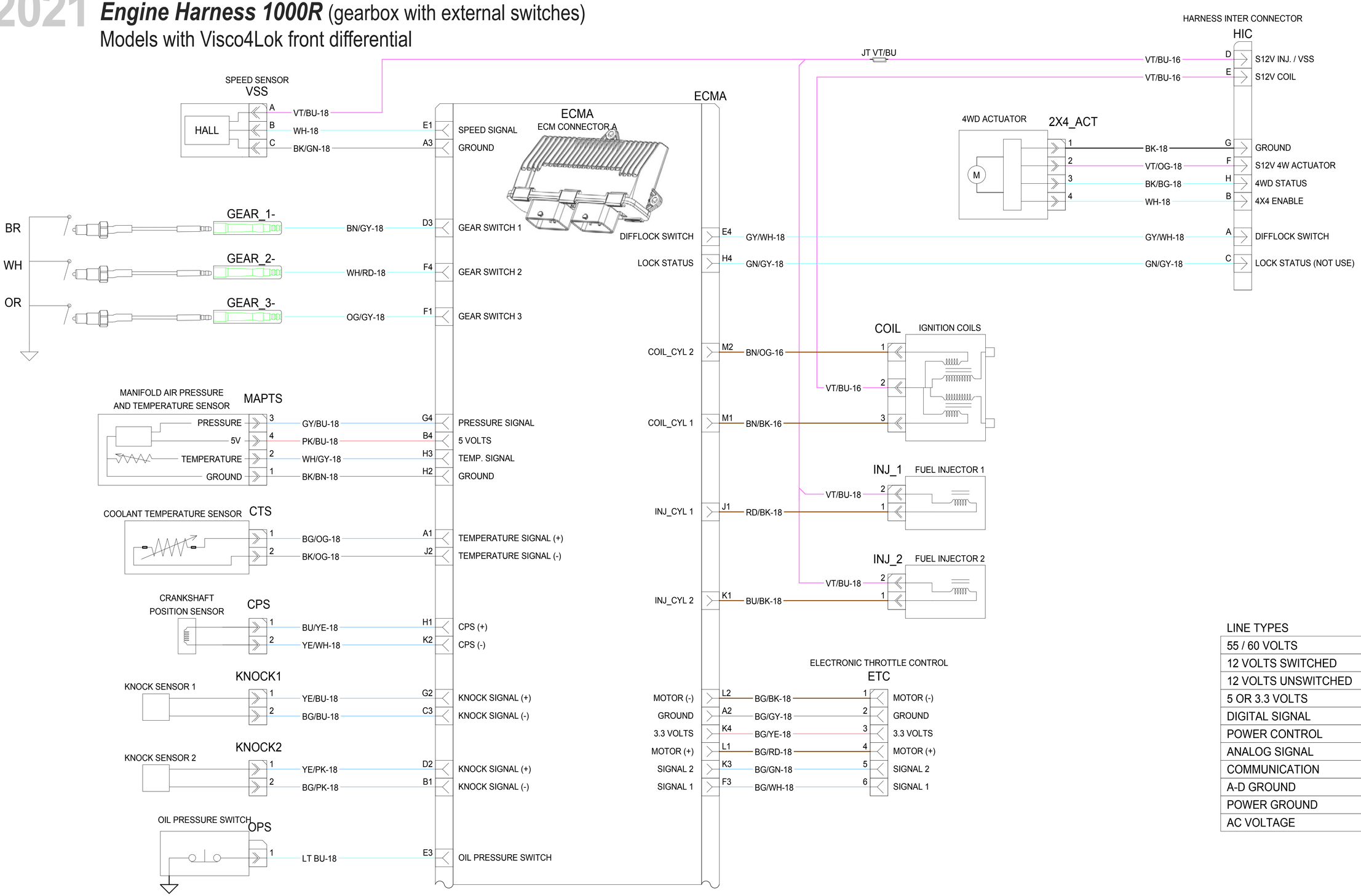
Models without Visco4Lok front differential



LINE TYPES	
55 / 60 VOLTS	
12 VOLTS SWITCHED	
12 VOLTS UNSWITCHED	
5 OR 3.3 VOLTS	
DIGITAL SIGNAL	
POWER CONTROL	
ANALOG SIGNAL	
COMMUNICATION	
A-D GROUND	
POWER GROUND	
AC VOLTAGE	

2021 *Engine Harness 1000R* (gearbox with external switches)

Models with Visco4Lok front differential



LINE TYPES	
55 / 60 VOLTS	
12 VOLTS SWITCHED	
12 VOLTS UNSWITCHED	
5 OR 3.3 VOLTS	
DIGITAL SIGNAL	
POWER CONTROL	
ANALOG SIGNAL	
COMMUNICATION	
A-D GROUND	
POWER GROUND	
AC VOLTAGE	

REF: 864710 REV:

2021 *Engine Harness 1000R* (gearbox with GBPS)

Models with Visco4Lok front differential

SPEED SENSOR
VSS
HALL
A — VT/BU-18
B — WH-18
C — BK/GN-18

GEAR BOX POSITION SENSOR
GBPS
HALL
1 — BU/RD-18
2 — WH/GY-18
3 — GN/BN-18

MANIFOLD AIR PRESSURE AND TEMPERATURE SENSOR
MAPTS
PRESSURE — 3 — GY/BU-18
5V — 4 — PK/BU-18
TEMPERATURE — 2 — WH/GY-18
GROUND — 1 — BK/BN-18

COOLANT TEMPERATURE SENSOR
CTS
1 — BG/OG-18
2 — BK/OG-18

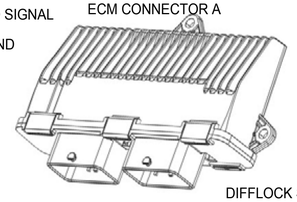
CRANKSHAFT POSITION SENSOR
CPS
1 — BU/YE-18
2 — YE/WH-18

KNOCK SENSOR 1
KNOCK1
1 — YE/BU-18
2 — BG/BU-18

KNOCK SENSOR 2
KNOCK2
1 — YE/PK-18
2 — BG/PK-18

OIL PRESSURE SWITCH
OPS
1 — LT BU-18

ECMA
ECM CONNECTOR A



ECMA
E1 — SPEED SIGNAL
A3 — GROUND
C4 — +5V
F4 — IN_GBPS
G1 — GND
G4 — PRESSURE SIGNAL
B4 — 5 VOLTS
H3 — TEMP. SIGNAL
H2 — GROUND
E2 — TEMPERATURE SIGNAL (+)
J2 — TEMPERATURE SIGNAL (-)
H1 — CPS (+)
K2 — CPS (-)
G2 — KNOCK SIGNAL (+)
C3 — KNOCK SIGNAL (-)
D2 — KNOCK SIGNAL (+)
B1 — KNOCK SIGNAL (-)
E3 — OIL PRESSURE SWITCH

ECMA
DIFFLOCK SWITCH — E4 — GY/WH-18
LOCK STATUS — H4 — GN/GY-18
COIL_CYL 2 — M2 — BN/OG-16
COIL_CYL 1 — M1 — BN/BK-16
INJ_CYL 1 — J1 — RD/BK-18
INJ_CYL 2 — K1 — BU/BK-18
MOTOR (-) — L2 — BG/BK-18
GROUND — A2 — BG/GY-18
3.3 VOLTS — K4 — BG/YE-18
MOTOR (+) — L1 — BG/RD-18
SIGNAL 2 — K3 — BG/GN-18
SIGNAL 1 — F3 — BG/WH-18

JT VT/BU

COIL
IGNITION COILS
1
VT/BU-16 — 2
3

INJ_1
FUEL INJECTOR 1
VT/BU-18 — 2
1

INJ_2
FUEL INJECTOR 2
VT/BU-18 — 2
1

ELECTRONIC THROTTLE CONTROL
ETC
MOTOR (-) — 1
GROUND — 2
3.3 VOLTS — 3
MOTOR (+) — 4
SIGNAL 2 — 5
SIGNAL 1 — 6

4WD ACTUATOR
2X4_ACT
M
1 — BK-18
2 — VT/OG-18
3 — BK/BG-18
4 — WH-18

HARNESS INTER CONNECTOR
HIC
VT/BU-16 — D — S12V INJ. / VSS
VT/BU-16 — E — S12V COIL
G — GROUND
F — S12V 4W ACTUATOR
H — 4WD STATUS
B — 610/1000 4X4 ENABLE
GY/WH-18 — A — DIFFLOCK SWITCH
GN/GY-18 — C — LOCK STATUS (NOT USE)

LINE TYPES

55 / 60 VOLTS	
12 VOLTS SWITCHED	
12 VOLTS UNSWITCHED	
5 OR 3.3 VOLTS	
DIGITAL SIGNAL	
POWER CONTROL	
ANALOG SIGNAL	
COMMUNICATION	
A-D GROUND	
POWER GROUND	
AC VOLTAGE	