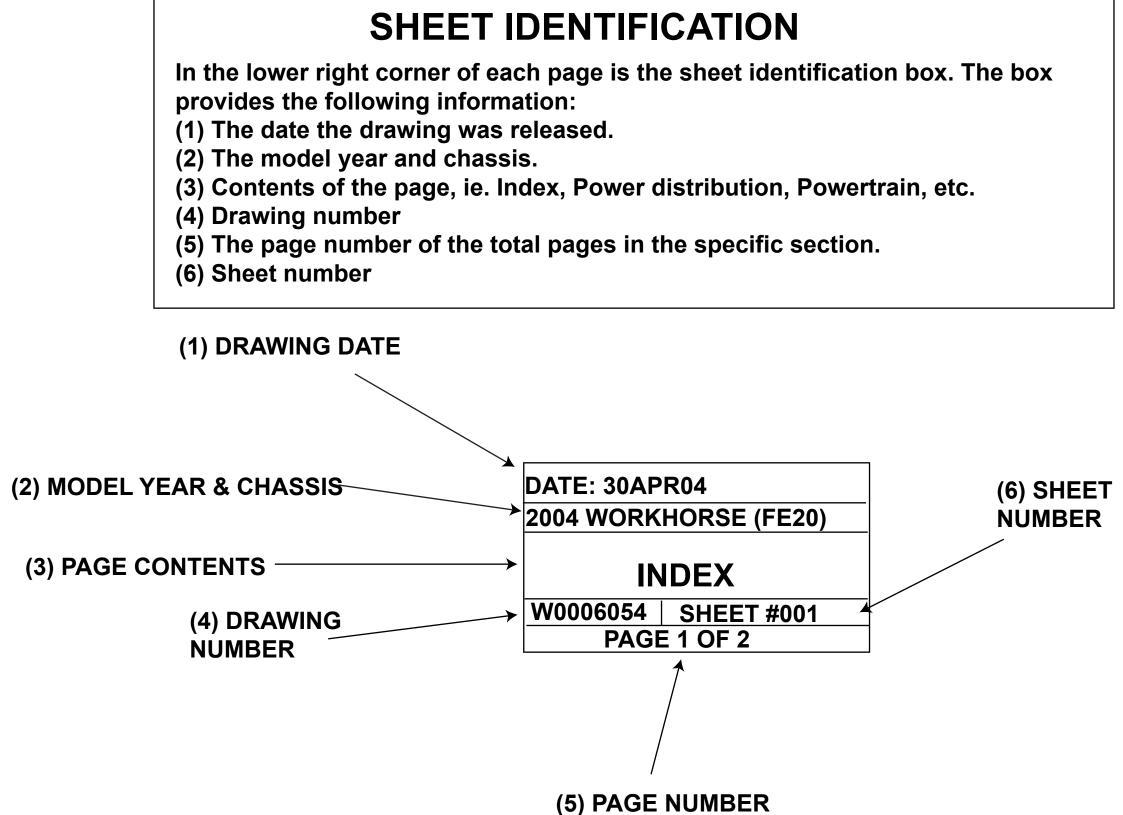
# **2004 ELECTRICAL SCHEMATICS** W22/L18 Chassis

## **NAVIGATING THE SCHEMATICS**

The format of the 2004 Electrical Schematics have changed from previous versions. This new style is easy to use and easy to read.

To find a schematic. First go to the Index page for the vehicle being serviced. Next, scan down the Sheet Name Column to the section for the chassis area desired. Move across the page to the right noting the Page Number of the Sheet Contents. **Refer to the "Sheet Identification" instructions below** for further information.



When a circuit continues on a elsewhere on the same page or on a different page, navigation boxes are used to guide you to the proper point. The Navigation Box contains: (1) Specific information as to the path of the circuit. (2) The sheet & page number the circuit continues on. (3) Coordinates to help you locate the continuation of the circuit. Use the coordinates like those on a road map to zero in on the proper point. In the example below, first refer to Sheet 20 - Page 7. Then go across the top or bottom of the page until you reach Row 4. Finally go down the page to Row D to locate the circuit continuation.

(1) CIRCUIT INFORMATION FROM NSBU ("FROM" and "TO") SW TO (2) SHEET NUMBER STRTR RLY **SHEET\_20\_7** (3) CROSS REFERENCE INFORMATION ZONE 4-D 🖌

SHEET NUMBER	SHEET NAME	PAGE NUMBER	
1	INDEX	1	INDEX, OPTIONS
		2	LEGEND/WIRE INFORMAT
9	VEHICLE ZONING	1	VEHICLE ZONING,CONNE
10	POWER DISTRIBUTION	1	STARTING/CHARGING /
		2	IGNITION SWITCH / HO
		3	HOT AT ALL TIME DIST
		4	HOT IN RUN AND CRANK
1.1		5	HOT WITH HEAD LAMP S
L 1	FUSE BLOCK		ENGINE UNDERHOOD FUS
13	I/P EXTN CONVENIENCE CENTER	2	I/P EXTN FOSE BLOCK
 	GROUND DISTRIBUTION	1	VEHICLE GROUND ZONIN
1 7		2	ENG HARNESS LOGIC GR
		3	ENG HARNESS GROUND /
		4	CHAS HARNESS GROUND
20	POWERTRAIN	1	VB SEQ MF1 GAS W/AUT
		2	POWERTRAIN CONTROL M
		3	TRANSMISSION CONTROL
		4	POWERTRAIN CONTROL M
		5	POWERTRAIN CONTROL M
		6	THROTTLE POSITION CO
31	AUXILIARY BOOST FAN	1	FAN CONTROL RELAY /
34	CRUISE CONTROL	1	CRUISE CONTROL SWITC
35	FUEL DELIVER AND EVAP EMISSIONS	1	FUEL PUMP & SENDER /
36	CHECK TIRE MODULE/ADJUSTABLE PEDALS	1	CHECK TIRE MODULE/AD
40	HORN	1	HORN RELAY / HORN SW
41	ANTILOCK BRAKE SYSTEM	1	WHEEL SENSORS / ABS
		2	BULB-CHECK DIODE NET
50	DLC CONNECTOR	1	ASSEMBLY LINE DIAGNO
60	HVAC	1	AIR CONDITIONING WIF
81	CLUSTER	1	CLUSTER TELLTALES
91	WIPER/WASHER PULSE	2	CLUSTER GAUGES/ILUMI WIPER/WASHER PULSE C
100	HEADLAMPS	1	DUAL RECT (BT2 & Z49
100		2	DUAL RECT (812 & 249 DUAL RECT (872 & 249
		3	DUAL RECT (BT2-Z49)
110	EXTERIOR LIGHTING	1	DIRECTIONAL SWITCH /
110		2	MARKER LAMPS / PARK
		3	STOP LAMP SWITCH / P
114	INTERIOR LIGHTING	1	DOME LAMPS
117	INSTRUMENT PANEL DIMMING	1	INSTRUMENT PANEL DIM
138	BRAKE TRANSMISSION SHIFT INTERLOCK (BTSI)	1	BTSI RELAY/COLUMN LC
202	ENG HARNESS CONNECTOR FACES	1	C000/C001/C002/C006/
		2	C029/C030/C031/C032/
		3	C061/C062/C066/C067/
203	I/P HARNESS CONNECTOR FACES	1	C043/C200/C202/C205/
		2	C711/C712/C713/C714/
204	I/P EXTN HARNESS CONNECTOR FACES	1	C215/C248/C250/C251/
		2	C255/C257/C258/C710/
205	CHAS HARNESS CONNECTOR FACES	1	C400/C402/C403/C404/
206	DRIVE AWAY HARNESS CONNECTOR FACES	1	C203/C250/C272/C274/
208	FWD/REAR LAMP HARNESS CONNECTOR FACES		C313/C308/C315/C305/
	DRIVE AWAY WIRING	2	C500/C502/C503/C504/ TEMPORARY I/P DRIVE
210			

10

OPTION	DESCRIPTION
C7P	16,000 LB GVW
8T2	DUAL RECTANGULAR HEADLAMPS
K34	CRUISE CONTROL
L18	V8 SEQ MF1 GAS ENGINE
M74	AUTOMATIC 5 SPEED ALLISON LCT 1000
WX7	EUROPE WIRING PROVISIONS
Z49	CANADIAN
5K 1	DRL (DAYTIME RUNNING LAMPS)
7Y8	HIGH OUTPUT BATTERY
8D5	SINGLE RECTANGULAR HEADLAMPS

WORKHORSE CUSTOM CHASSIS

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$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	8	7 (	$\rangle$ 6	5	4	

### INDEX

SYSTEM/SUBSYSTEM DESCRIPTION

DTES NUMBERS FALL TIME DISTRIBUTIONS

RUN / HOT IN RUN AND ACCESSORY DISTRIBUTIONS

ONS

9

9

 $1 \bigcirc$ 

RIBUTIONS ON DISTRIBUTIONS

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R

ORWARD LAMP HARNESS GROUND

ARNESS ABS GROUND / I/P HARNESS GROUND / I/P EXTN CHAS HARNESS GROUND

S M74 / POWERTRAIN CONTROL MODULE

E

/ TRANSMISSION CONTROL MODULE

MODULE

DTOR / SECONDARY HIGH PRESSURE SWITCH

/ EVAP SYSTEM

\_\_\_\_

DUAL HORNS 7 / STOP LAMP TCC SW / POWER BRAKE BOOST SYSTEM

PARK BRK SW

INK CONNECTOR

DLAMPS WITH DRL CONTROL / DUAL RECT (BT2 & Z49) HEADLAMPS WITHOUT DRL CONTROL DLAMPS WITH DRL / BASE HEADLAMPS WITH DRL / SINGLE RECTANGULAR(8D5 &Z49)WITH DRL AMPS WITHOUT DRL / BASE HEADLAMPS WITHOUT DRL / SINGLE RECT (8D5-Z49) HEADLAMPS WITHOUT DRL ER LAMPS / FLASHERS / LICENCE PLATE LAMPS / TAIL & STOP LAMPS EUTRAL POSITION & BACKUP LAMP SWITCH / BACKUP LAMPS // TAIL & DOSITION & BACKUP LAMP SWITCH / BACKUP LAMPS // TAIL & DOSITION & BACKUP LAMP SWITCH / BACKUP LAMPS

050/C051/C056/C057/C058/C059

C071/C073/C075/C080/C082/C083/C103/C105/C109/C110/C113/C115/C118/C121/C715/C716/C717/C718/C719/C720/C721/C722/C723/C724/C076/C077/C107 C208/C210/C212/C216/C217/C218/C219

253/0254/0261

0725/0063/0084/0264/0265/0249

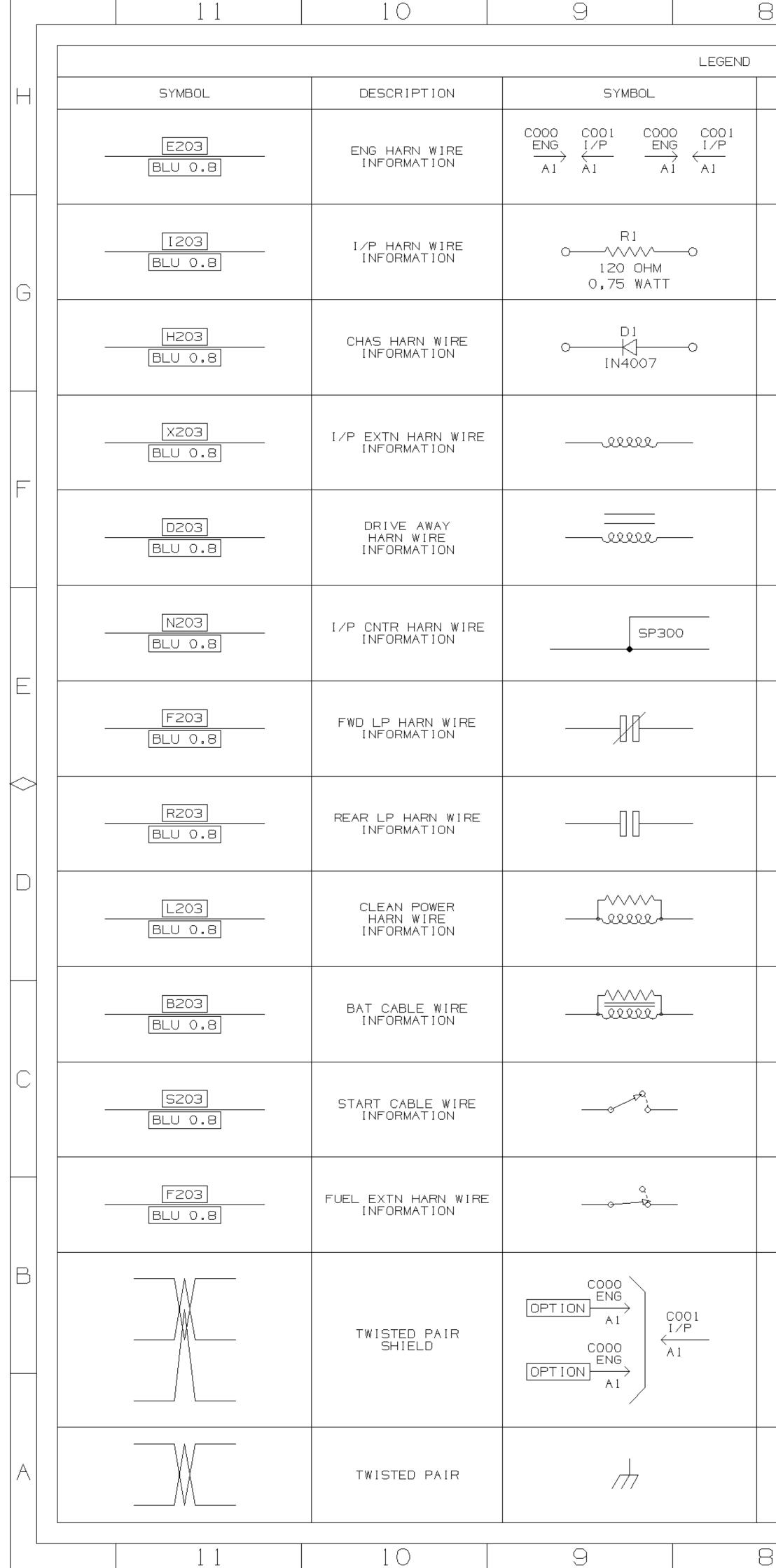
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C303/C302/C306/C318/C307/C309/C300/C310/C312/C311/C314 C506/C507/C508/C509/C510/C501

HARNESS WIRING





CUSTOM CHASSIS WORKHORSE

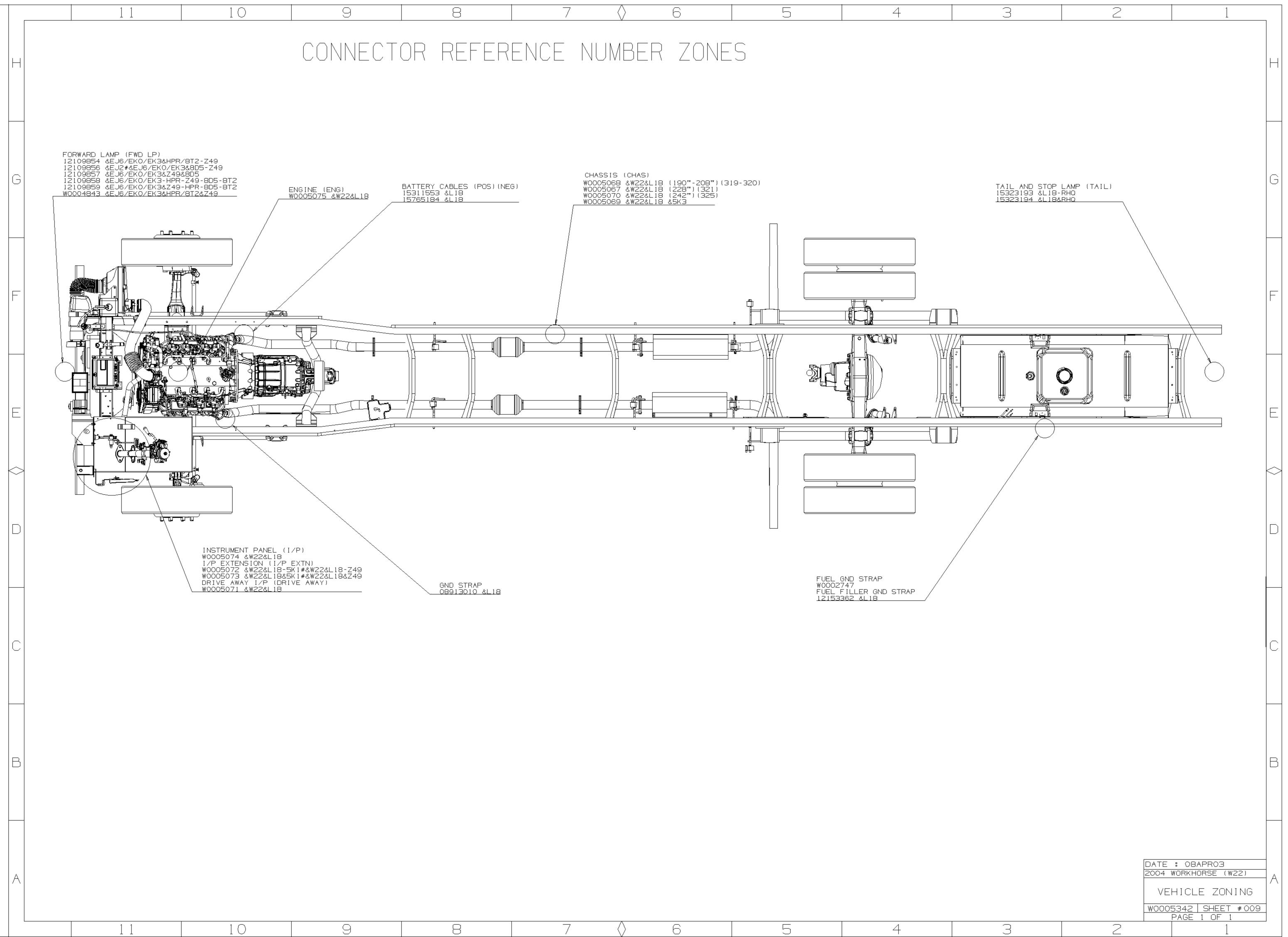
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DESCRIPTION	SYMBOL	DESCRIPTION	
I NL I NE CONNECTOR		FUSE BLOCK BUSS	
RESISTOR		RING TERMINAL	
DIODE		FUSE	
INDUCTOR COIL OR WINDING			
SOLENOID		VARIABLE RESISTOR OR SENSOR	
WIRE SPLICE	INLINE TO RH PAGE CON	LH PAGE	
RELAY CONTACTS (NORMALLY CLOSED)	SHEET_001_2 ZONE 7-D	CONNECTION	
RELAY CONTACTS (NORMALLY OPEN)	INLINE TO LH @PAGE CON	RH PAGE	
RELAY COIL WITH SUPRESSION RESISTOR	SHEET_001_2 ZONE 6-E	CONNECTION	
VALVE WITH SUPRESSION RESISTOR		LIGHT	
NORMALLY OPEN SWITCH			
NORMALLY CLOSED SWITCH		MOTOR	
INLINE CONNECTOR WITH OPTIONAL WIRING			
	• <u>-</u>   +• •	BATTERY	
CASE GROUND OR INTERNAL GROUND			

8	7 <	$\rangle$ 6	5	4

WIRE INFORMATION 203 BLU 0.8					
METRIC GAUGE	ENGLISH GAUGE				
0.35	22				
0.5	20				
0.8	18				
1.0	16				
2.0	14				
3.0	12				
5.0	10				
8.0	8				
13.0	6				
19.0	4				
32.0	2				
40.0	1				
50.0	0				
62.0	2/0				
81.0	3/0				

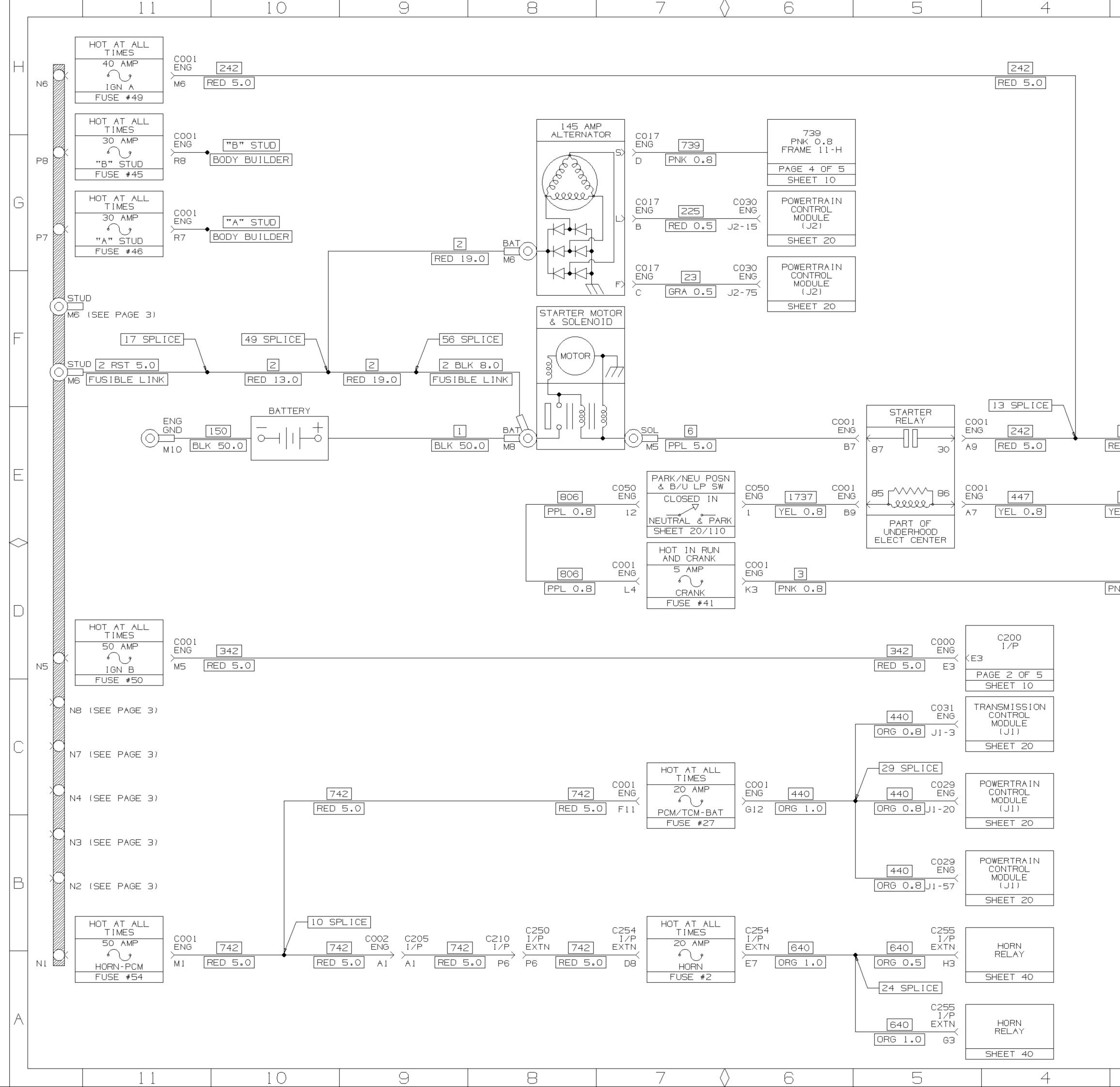
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2004 WORKHORSE (W22)	
	/
LEGENDS	
W0005342 SHEET #001	
PAGE 2 OF 2	
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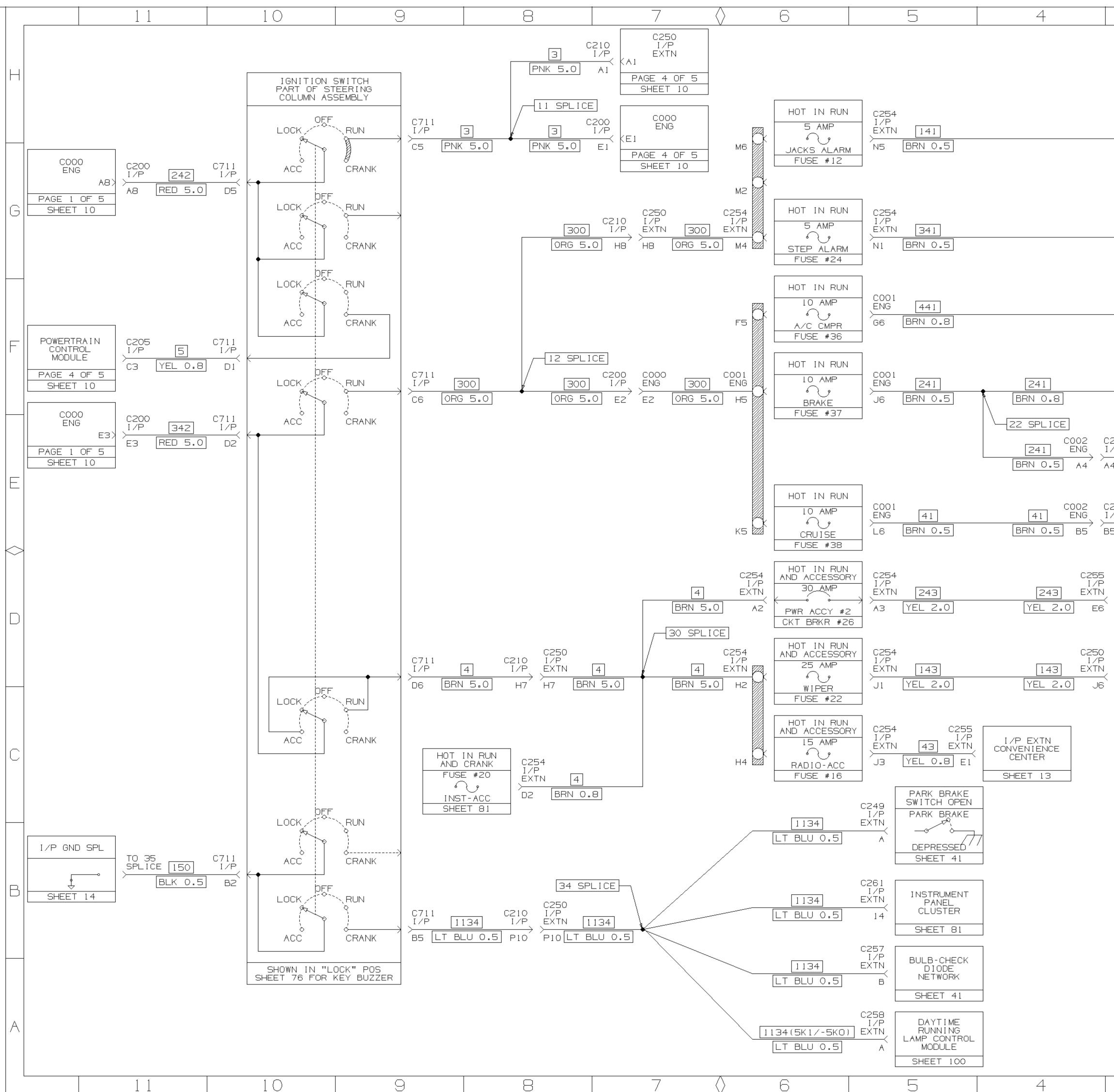


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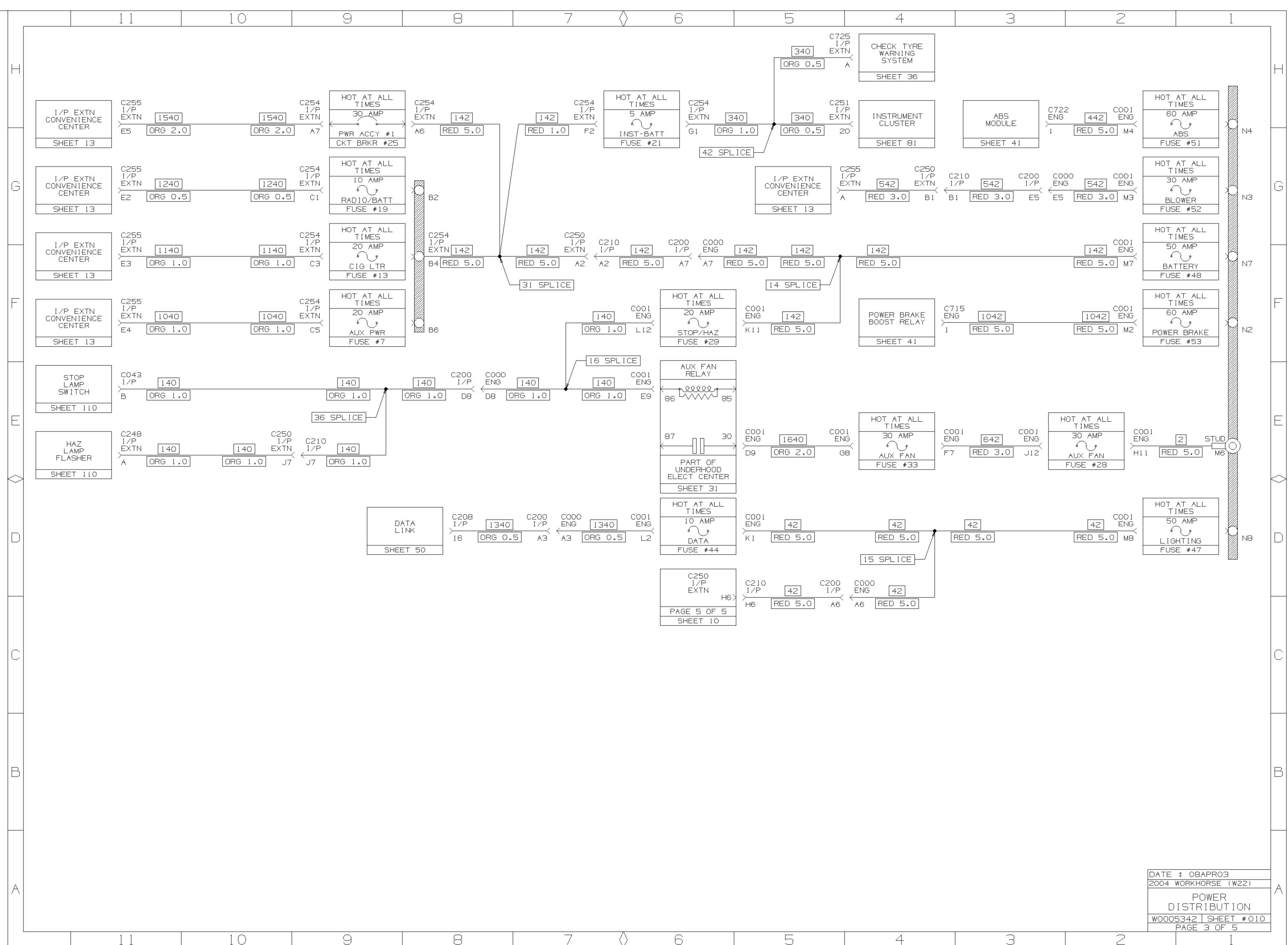
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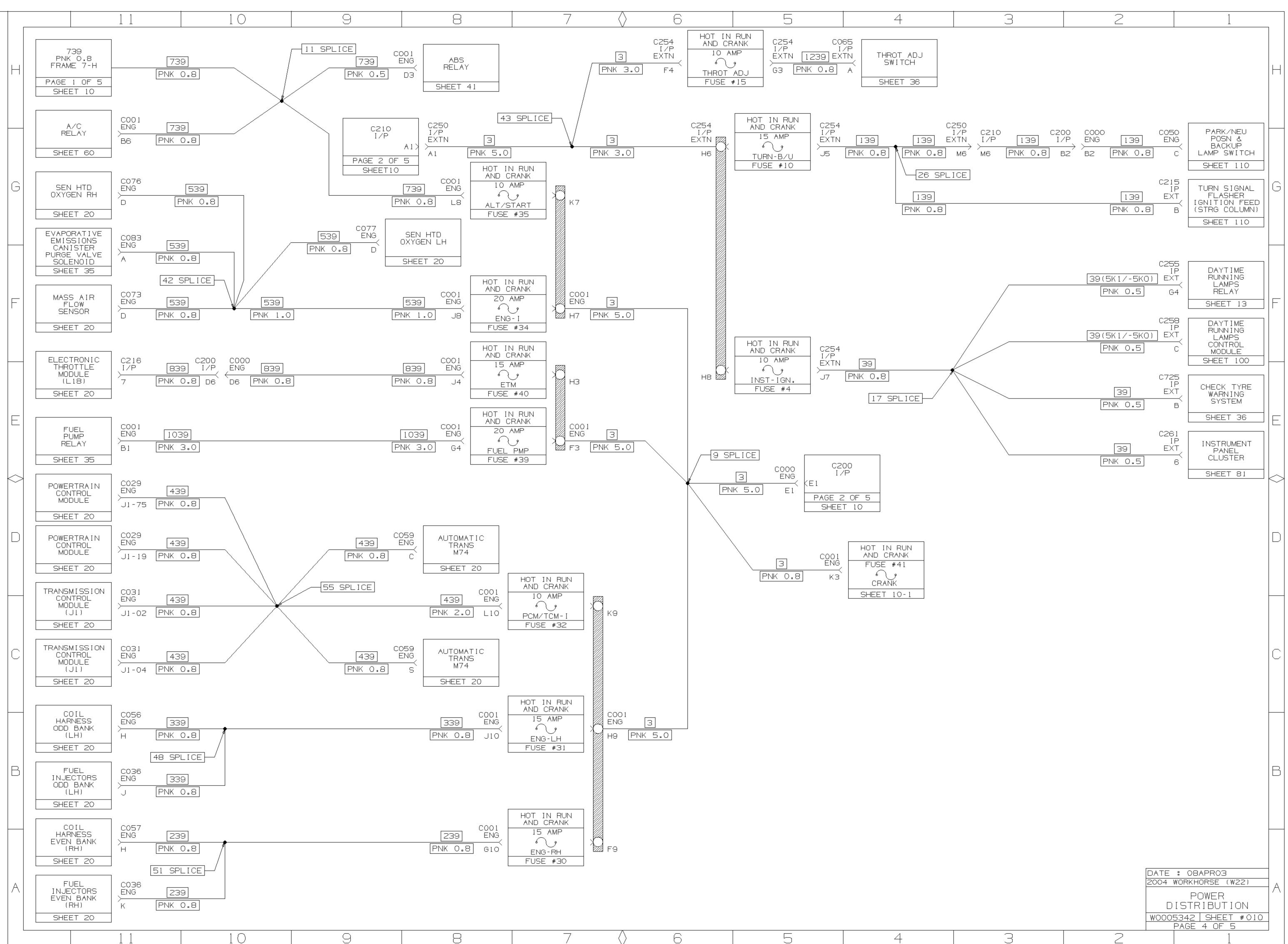
3		2		1	
					G
					F
COOO ENG RED 5.0 A8 447 ENG (EL 0.8 J1-39	C200 I/P (A8 PAGE 2 OF 5 SHEET 10 POWERTRAIN CONTROL MODULE (J1)				E
TO 9 3 SPLICE NK 0.8	SHEET 20 HOT IN RUN AND CRANK IGN SWITCH CRANK SHEET 10-4				
					C
					E
3		2	2004 W D I W0005	: OBAPRO3 ORKHORSE () POWER STRIBUTI 342   SHEET AGE 1 OF 5 1	ON #010



3	2	1	
			H
C255 I/P 141 EXTN BRN 0.5 F5	I/P EXTN CONVENIENCE CENTER SHEET 13		
C255 I/P 341 EXTN BRN 0.5 C7	I/P EXTN CONVENIENCE CENTER SHEET 13		G
СОО1 ENG BRN 0.8 B4	A/C COMPRESSOR RELAY SHEET 60		F
C721 ENG BRN 0.8 14 C205 C714 I/P 241 I/P	ABS MODULE SHEET 41 S/LP TCC		
A4 BRN 0.8 A C205 C711 I/P 41 I/P B5 BRN 0.5 A13	SWITCH SHEET 41 CRUISE CONTROL SWITCH		E
<	SHEET 34		
SHEET 13 BODY BUILDER WIPER/WASHER			
SYS SHEET 91			
			C
			В
		DATE : OBAPRO3 2004 workhorse (w POWER DISTRIBUTI wooo5342   Sheet PAGE 2 OF 5	ON #010
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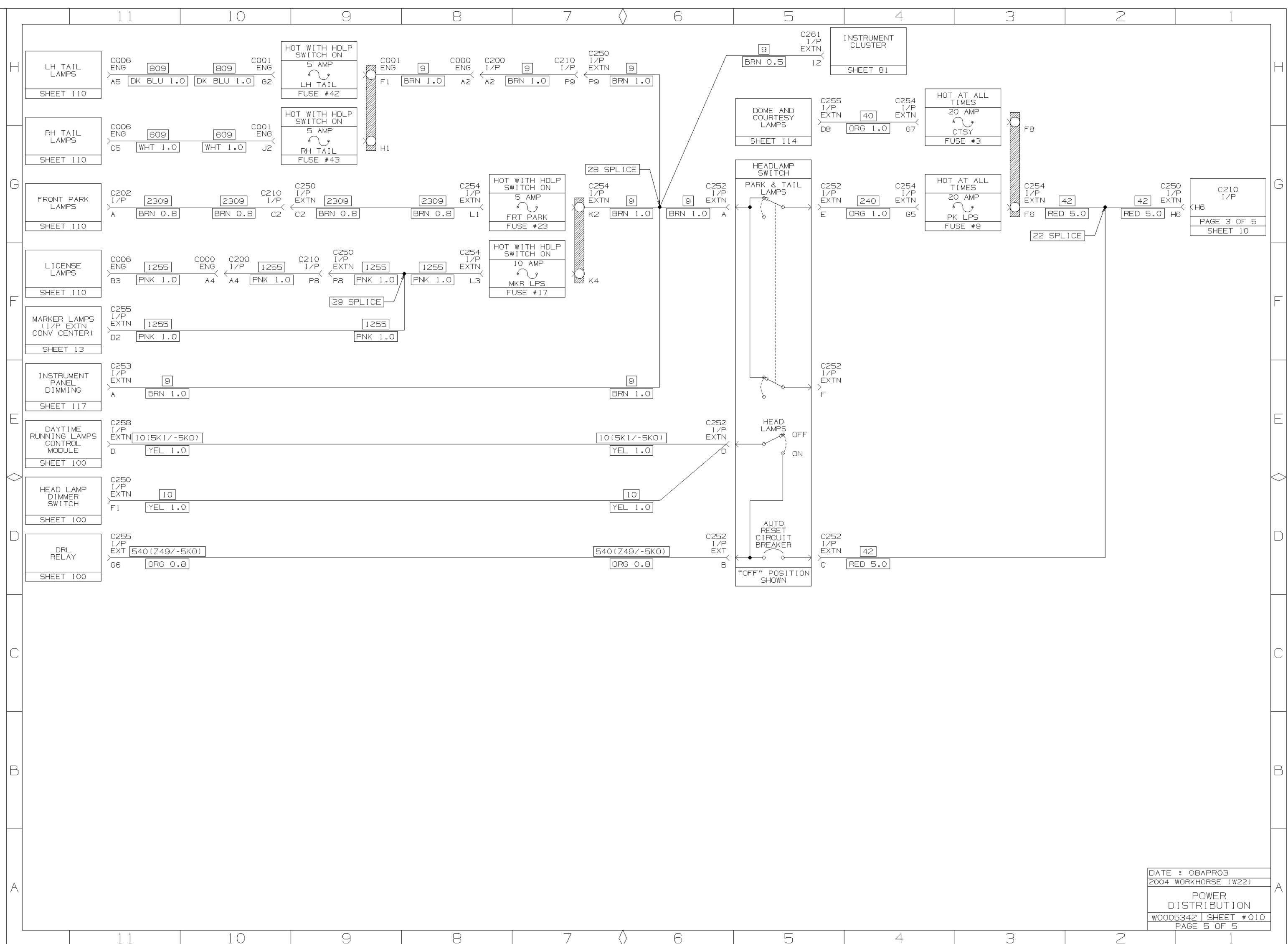


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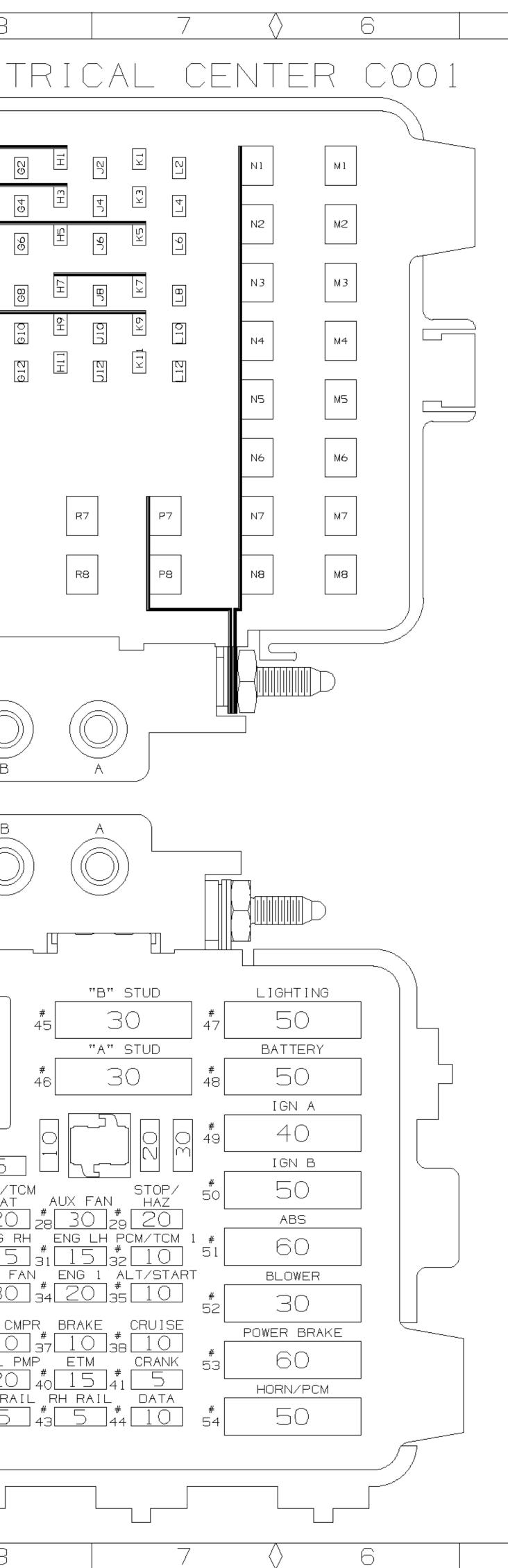
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	1			
	т. <u>т</u>		A1 B1	
12146	281 BLK			
	ISTR BLK		B2	
CAV A1	WIRE 150M			
A 3	120C		A3 B3	
A4 A6	459 59A			 
3 A7	447			<u></u>
A9	242B		A4 B4	
B1 B2	1039 490			
B3	465	BLK	BS	
B4	441			
B5 B6	 739B		A6 B6	C6 D6
B7	6			
B8 B9	1737			
C1	1450			
- C3	867A		A7 B7	D7 E7
C4 C6	150A 420B			
D1	1200		88	EB
D2	150P			
D3 D4	7 39C 1 1 35		A9 B9	D9 E9
D5				
D6	275B		< <u> </u>	
D7 D9	473		<u> </u>	
E7	702			
_ E8	1404	-		
E9 F1	140A 9			
F3	3C			
F5 F7	642	_		
F9				В
F11	742B			
G2 G4	809 1039			
96	441			B
G8 G10	1640 239A			
G12	440A			
H1				
H3 H5	300			
H7	3B			
H9	3E	(		
H11 J2	2H 609		/	
J4	839			
J6 J8	241A 539A		~	
J10	339A		STARTER	AUX FAN
J12	642		Λ RELAY	RELAY
К1 К3	42B 3F		,	
K5				
K7 K9				
K11	1428			$\square$ $\boxed{5}$
L2	1 340			PCM/
L4 L6	806 41	BLK	A/C CMPR	
L8	739A		A/C CMPR RELAY	$\begin{vmatrix} BTSI \\ RELAY \\ ENG \end{vmatrix} = 27 \begin{vmatrix} 20 \\ ENG \end{vmatrix}$
L10	4 39 A			
- L12 - M1	140B 742C			AUX I
M2	1042			33 30
M 3 M4	542 442			A/C C
M4 M5	342			$  = \frac{#}{10}$
M6	242A			A/TRANS 36 LL SHFT LK FUEL CONT 70 20
— <u>М7</u> М8	142C 42C		FUEL PUMP RELAY	CONT # 20
N1				RELAY LH R
N2				42 5
N 3		[]		
N5				
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N7 N8				



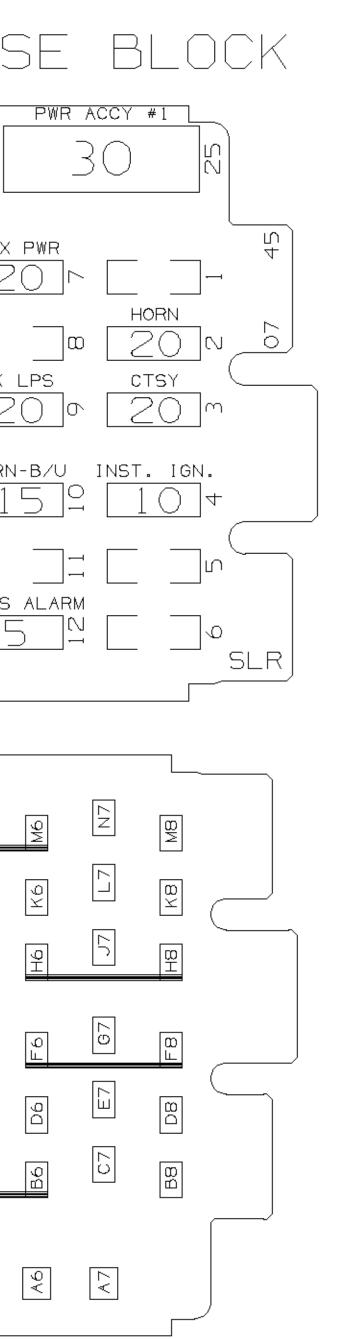
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				<u>dac</u>	CHART		
	USE NO	NAME	SIZE	LOAD CIRCUIT	LOAD		
	27	РСМ/ТСМ -ВАТ	20A FUSE	440	POWERTRAIN CONTROL MODULE TRANSMISSION CONTROL MODULE		
	28	AUX FAN	30A FUSE	642	AUXILIARY FAN		
	29	STOP/HAZ	20A FUSE	140	ABS BRAKE SWITCH, TURN SIG SWITCH, AUDIO ALARM/AUX FAN		
	30	ENG-RH	15A FUSE	239	CYLINDER 2,4,6,8 INJECTORS AND COILS		
	31	ENG-LH PCM/TCM	15A FUSE 10A	339	CYLINDERS 1,3,5,7 INJECTORS AND COILS POWERTRAIN CONTROL MODULE		
-	32	- I	FUSE 30A	439	TRANSMISSION CONTROL MODULE		
-	33	AUX FAN	FUSE 20A	1640	AUXILIARY FAN EVAP CANISTER SOL, MASS AIR,		
-	34	ENG-I ALT/	FUSE 10A	539	ALTERNATOR, PARK/NEU POSN		
	35	START	FUSE	739	& B/U LP SWITCH		
	36	A/C CMPR	FUSE	441	A/C COMPRESSOR RELAY ABS MODULE		F
-	37	BRAKE	10A FUSE 10A	241	ZABS BRAKE SWITCH		
-	38 39	FUEL	FUSE 20A	41	CRUISE CONTROL SWITCH		
$\vdash$	40	PMP ETM	FUSE 15A	839	ELECTRONIC THROTTLE MODULE		
	40	CRANK	FUSE 5A	806	CRANK REQUEST TO PCM		
-	42	LH TAIL	FUSE 5A FUSE	809	LH TAIL LAMPS		
-	43	RH TAIL	FUSE 5A FUSE	609	RH TAIL LAMPS		
	44	DATA	10A	1340	DATA LINK		
	45	"B" STUD	FUSE 30A	BODY	BODY BUILDER		
-	46	"A" STUD		BUILDER BODY BUILDER			$\left \right $
	47	LIGHTING	50A MAXI	42	I/P EXTN FUSEBLOCK, HEADLAMP SWITCH, DATA LINK FUSE (ENG)		
	48	BATTERY	50A MAXI	142	I/P EXTN FUSE BLOCK STOP/HAZ FUSE (ENG)		
	49	IGN A	40A MAX I	242	IGNITION SWITCH STARTER RELAY		
	50	IGN B	50A MAXI	342	IGNITION SWITCH		
	51	ABS	60A MAXI	442	ABS MODULE		
	52	BLOWER	30A MAXI	542	HVAC BLOWER		
	53	PWR BRK	60А МАХІ	1042	POWER BRAKE		
	54	HORN-PCM	50A MAXI	742	ENG FUSE BLOCK HORN FUSE (I/P EXTN)		
	I		1				
							E
						DATE : OBAPRO3	_
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						FUSE BLOCK	
						W0005342 SHEET #011 PAGE 1 OF 2	
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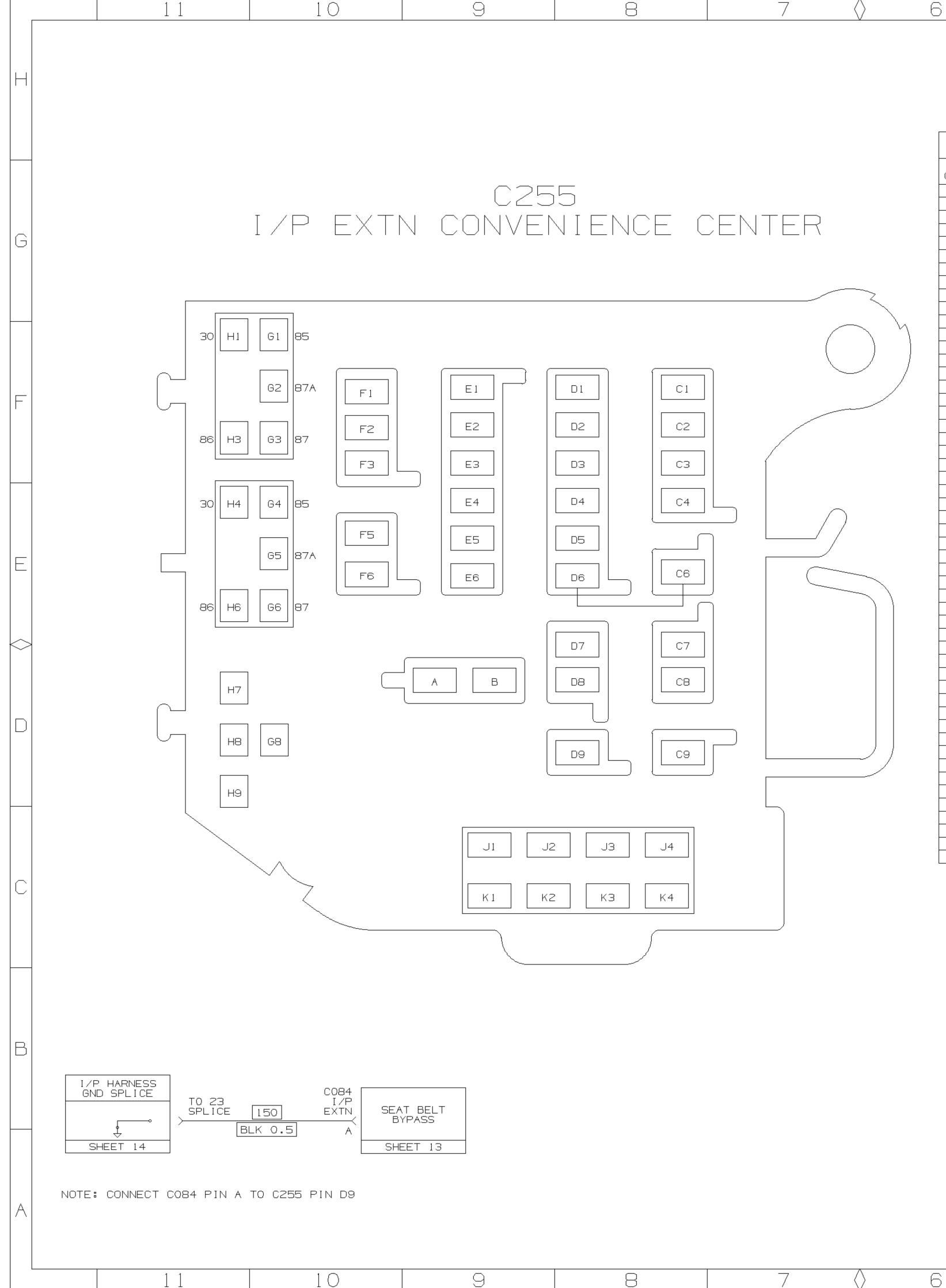
$A_3$ $24_3$ $A_6$ $1428$ $A_7$ $1540$ $B_2$ $B_4$ $A_7$ $1540$ $B_2$ $B_4$ $B_6$ $IO_{-1}^{+}$ $C_1$ $1240$ $C_5$ $IO_{-1}^{+}$ $C_5$ $IO_{-1}^{+}$ $D_2$ $4E$ $D_4$ $44$ $D_6$ $IO_{-1}^{+}$ $D_8$ $742$ $E_1$ $34_3$ $E_3$ $BA$ $F_1$ $E_3$ $BA$ $E_2$ $F_1$ $F_2$ $F_4$ $3B$ $F_6$ $428$ $F_8$ $G_3$ $G_7$ $AO_0$ $H_2$ $4B$ $H_4$ $IO_0$ $H_4$ $IO_0$	
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	
IIII 110 745 BLK         IZ110 745 BLK         FVSE BLK         CAV       WIRE         A2       4C         A3       243         A6       142B         A7       1540         B2       10         B4       142A         C3       1140         C5       1040         C7       10         D2       4E         D4       44         D6       10         D2       4E         D4       44         D6       10         F       E3         B7       142E         E1       343         F6       428         F8       10         G       B1         340A       1239         G5       240         G7       40         H2       48	JSE
CAV       WIRE         A2       4C         A3       243         A6       142B         A7       1540         B2       10         B4       142A         B6       10         C1       1240         C3       1140         C5       1040         C7       10         D2       4E         D4       44         D6       10         B8       742         E1       343         F4       38         F6       428         F8       61         61       340A         63       1239         65       240         67       40         H2       48         H4       25         K4       29         G       1239         G5       240         G7       1239         G5       240         G1       340A         G3       1239         G5       240         G7       29         12       29 <t< th=""><th></th></t<>	
$A3$ $243$ $A6$ $1428$ $A7$ $1540$ $B2$ $10^{-1}$ $B4$ $142A$ $B6$ $10^{-1}$ $C1$ $1240$ $C3$ $1140$ $C5$ $1040$ $C7$ $10^{-1}$ $D2$ $4E$ $D4$ $44$ $D6$ $10^{-1}$ $D2$ $4E$ $D4$ $44$ $D6$ $10^{-1}$ $D2$ $4E$ $D4$ $44$ $D6$ $5^{-1}$ $F7$ $640A$ $F2$ $142E$ $F4$ $38$ $F6$ $428$ $F8$ $61$ $61$ $340A$ $63$ $1239$ $65$ $240$ $F2$ $48$ $H4$ $12$ $H4$ $12$ $H4$ $12$	PWR AG
G $\frac{A6}{A7}$ $142B$ A7 $1540$ B2         B2       B4 $142A$ B6       B8       IO         C1 $1240$ INST. ACC         C3 $1140$ INST. BATT THROT ADJ.         C5 $1040$ IO         C7       D2       4E         D4       44         D6       IO         D8       742         E1       343         E3       BA         F       E5         MIPER       RADIO-ACC         T       IO         STEP ALARM       MKR LPS         STEP ALARM       JAC         F8       G         G3       1239         G5       2440         G7       H4         H4       H4         H4       X2	< <u> </u>
$B_2$ BA       142A $B_4$ 142A $B_6$ BB $C1$ 1240 $C_3$ 1140 $C_5$ 1040 $C_7$ D2 $D_2$ 4E $D_4$ 44 $D_6$ D5 $D_4$ 44 $D_6$ D5 $D_4$ 44 $D_6$ D6 $F$ E3 $E_3$ BA $F_2$ 142E $F_4$ 38 $F_6$ 42B $F_8$ G1 $G_3$ 12.39 $G_5$ 240 $G_7$ 40 $H_4$ $D_6$	
B6       INST. ACC       ILLUM $C1$ 1240 $C3$ 1140 $C5$ 1040 $C7$ INST. BATT THROT ADJ. $D2$ 4E $D4$ 44 $D6$ INST. BATT THROT ADJ. $D2$ 4E $D4$ 44 $D6$ Inst. BATT THROT ADJ. $D8$ 742 $E1$ 343 $E3$ BA $F7$ 640A $F2$ 142E $F4$ 3B $F6$ 42B $F8$ Inst. $G1$ 340A $G3$ 1239 $G5$ 240 $G7$ 40 $H2$ 4B $H4$ $D2$	UX PWR
C1       1240 $C3$ 1140 $C5$ 1040 $C7$ $C7$ $D2$ $4E$ $D4$ $44$ $D6$ $D8$ $D8$ $742$ $E1$ $343$ $E3$ $BA$ $E5$ $C7$ $E1$ $343$ $F72$ $142E$ $F4$ $38$ $F6$ $42B$ $F8$ $G1$ $G1$ $340A$ $G3$ $1239$ $G5$ $240$ $G7$ $40$ $H2$ $48$ $H4$ $H4$	20 13
C5 $1040$ $C7$ $D2$ $D2$ $4E$ $D4$ $44$ $D6$ $D8$ $D8$ $742$ $E1$ $343$ $E3$ $BA$ $E3$ $BA$ $F2$ $142E$ $F4$ $38$ $F6$ $42B$ $F8$ $G1$ $G1$ $340A$ $G3$ $1239$ $G5$ $240$ $G7$ $40$ $H2$ $4B$ $H4$ $H4$	ω
D2 $4E$ $D4$ $44$ $D6$ $25$ $D8$ $742$ $E1$ $343$ $E3$ $BA$ $E5$ $5$ $FT$ $PRK$ $FZ$ $142E$ $F2$ $142E$ $F4$ $3B$ $F6$ $42B$ $F8$ $5$ $61$ $340A$ $63$ $1239$ $65$ $240$ $67$ $40$ $H2$ $4B$ $H4$ $H4$	YK LPS
D4 $444$ $D6$ $Z5$ $D8$ $742$ $E1$ $343$ $E3$ $BA$ $E3$ $BA$ $F7$ $640A$ $F2$ $142E$ $F4$ $3B$ $F6$ $42B$ $F8$ $G1$ $61$ $340A$ $G3$ $1239$ $G5$ $240$ $G7$ $40$ $H2$ $4B$ $H4$ $H4$	20 0
$ \begin{bmatrix} B & 742 \\ E1 & 343 \\ E3 & BA \\ E5 \\ F1 & E5 \\ F2 & 142E \\ F4 & 3B \\ F6 & 42B \\ F8 \\ G1 & 340A \\ G3 & 1239 \\ G5 & 240 \\ G7 & 40 \\ H2 & 4B \\ H4 \\$	JRN-B/U I
F       E3       BA         E5       E7       640A         F2       142E         F4       3B         F6       42B         F8 $5$ G1       340A         G3       1239         G5       240         G7       40         H2       4B         H4       E3	15 <u>9</u>
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	⊣ KS ALARM
F8       G1     340A       G3     1239       G5     240       G7     40       H2     4B       H4     Image: Second	5 1
G3     1239       G5     240       G7     40       H2     4B       H4     Image: Comparison of the second secon	
G5     240       G7     40       H2     4B       H4     Image: Comparison of the second secon	
H2 4B II I I I I I I I I I I I I I I I I I	
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J5 139B	 1]
J7     39A       K2     9C	9 H
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N1         341           N3         Image: Constraint of the second	1 > Q
N5 141 N7	
B	
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I /	ΡE	$\times \top$	F F	FUSE BLOCK
		_ () /	$ \square $	CHART
FUSE NO	NAME	SIZE	LOAD CIRCUIT	LOAD
1	OPEN			
2	HORN	20A FUSE	640	HORN RELAY
З	CTSY	20A FUSE	40	DOME & COURTESY LAMPS (BODY BUILDER)
4	INST IGN.	10A FUSE	39	DRL RELAY, DRL CONTROL Module, cluster
5	OPEN			
6	OPEN			
7	AUX PWR	20A FUSE	1040	BODY BUILDER
8	OPEN			
9	PK LPS	20A FUSE	240	HEADLAMP SWITCH (PARK, Marker and tail lamps)
10	TURN-B/U	15A FUSE	139	TURN SIGNAL SWITCH, PARK/NEU Posn & B/U LAMP SWITCH
1 1	OPEN			
12	JACKS ALARM	5A FUSE	141	JACKS ALARM
13	CIG LTR	20A FUSE	1140	CIG LIGHTER (BODY BUILDER)
14	ILLUM	10A FUSE	8	I/P CLUSTER, AUDIO ALARM, BODY BUILDER FEED
15	THROT Adj.	10A FUSE	1239	ADJUSTABLE THROTTLE MOTOR
16	RADIO-ACC	15A FUSE	43	BODY BUILDER RADIO
17	MKR LPS	10A FUSE	1255	LICENSE LAMPS BODY BUILDER MARKER LPS
18	OPEN			
19	RADIO-BAT	10A FUSE	1240	BODY BUILDER RADIO
20	INST ACC.	5A FUSE	343	CLUSTER, CHECK TYRE
21	INST BATT	5A FUSE	340	CLUSTER, CHECK TYRE
22	WIPER	25A FUSE	143	BODY BUILDER WIPERS
23	FRT PARK	5A FUSE	2309	FRONT PARK LAMPS
24	STEP ALARM	5A FUSE	341	STEP ALARM
25	PWR ACCY #1	ЗОА BRKR	1540	BODY BUILDER
26	PWR ACCY #2	30A BRKR	243	BODY BUILDER

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	2004	: OBAPRO3 Workhorse (W22) FUSE BLOCK	A
3	<u>wooo</u> 2	5342 SHEET #011 PAGE 2 OF 2 1	



		I/P EXTN CONVENIENCE CENTER		
CAVITY	CIRCUIT	FUNCTION	REF. SHEET	COMPONENT
A	542	BODY BUILDER BLOWER	10	MATES WITH 12129939
В	-	-	-	MATES WITH 12128838
C1	-	-	-	
<u> </u>	1317	FOG LP. RELAY GRD(5K1/-5KO)	100	MATES WITH 12033704
C3	534	HIGH IDLE SWITCH	20	
C4	-	-	-	
C6	150	GROUND	14	MATES WITH 12015202
C7	341	STEP ALARM	10	MATES WITH 12034341
C8	745	DOOR AJAR	81	
<u>C9</u>	275	PARK ACCESSORY	41	MATES WITH 12015203
D1	8	PANEL DIMMER SWITCH	117	-
D2	1255	MARKER LAMPS	10	-
D3	24	BACKUP LPS (CAMERA FEED)	110	MATES WITH 12110747
D4	235	IGNITION SWITCH BULB CHECK	41	
D5	29	HORN RELAY OUTPUT	40	-
D6	BUS TO C6	GROUND	14	
D7	156	DOME LAMP SWITCH (TO GROUND)	114	MATES WITH 12034577
D8	40	COURTESY/DOME LAMP FEED	114	MATEC WITH 12022712
D9	234	SEAT BELT	81	MATES WITH 12033713
<u>E1</u>	43	RADIO-ACC FEED	10	-
<u> </u>	1240	RADIO-BAT FEED	10	_
<u>E3</u>	1140	CIG LTR FEED	10	MATES WITH 12110748
E4	1040	AUX PWR FEED	10	-
<u>E5</u>	1540	PWR ACCY #1 FEED	10	-
E6	243	PWR ACCY #2 FEED	10	
F1	-	-	-	
F2	-	-	-	MATES WITH 12110777
F3				
F5 F6	141	JACKS ALARM	10	MATES WITH 12052184
G1	28	AUX STOP FEED	110	
	20	HORN RELAY	40	HORN RELAY
G2 G3	640		40	(12088567)
<u> </u>	39	HORN RELAY(Z49/-5KO)	100	
		DAYTIME RUNNING LAMPS RELAY (Z49)		DAYTIME RUNNING LAMP
<u>65</u> 66	150 540	DAYTIME RUNNING LAMPS RELAY (Z49) Daytime running lamps relay (Z49)	100	RELAY (12077866)
 		-	- 100	
H1	29	HORN RELAY	40	HORN RELAY
H3	640	HORN RELAY(Z49/-5KO)	40	(12088567)
H4	593	DAYTIME RUNNING LAMPS RELAY (Z49)	100	DAYTIME RUNNING LAMP
H6	592	DAYTIME RUNNING LAMPS RELAY (249)	100	RELAY (12077866)
H7	-	-	-	
 	_	-	_	1
H9	_	-	_	1
JI	_	-	_	1
JZ	_	-	-	1
J3	_	-	_	1
 	_	-	_	1
K1	_	-	-	1
K2	_	-	-	1
K3	_	-	-	1
K4	_	-	-	1

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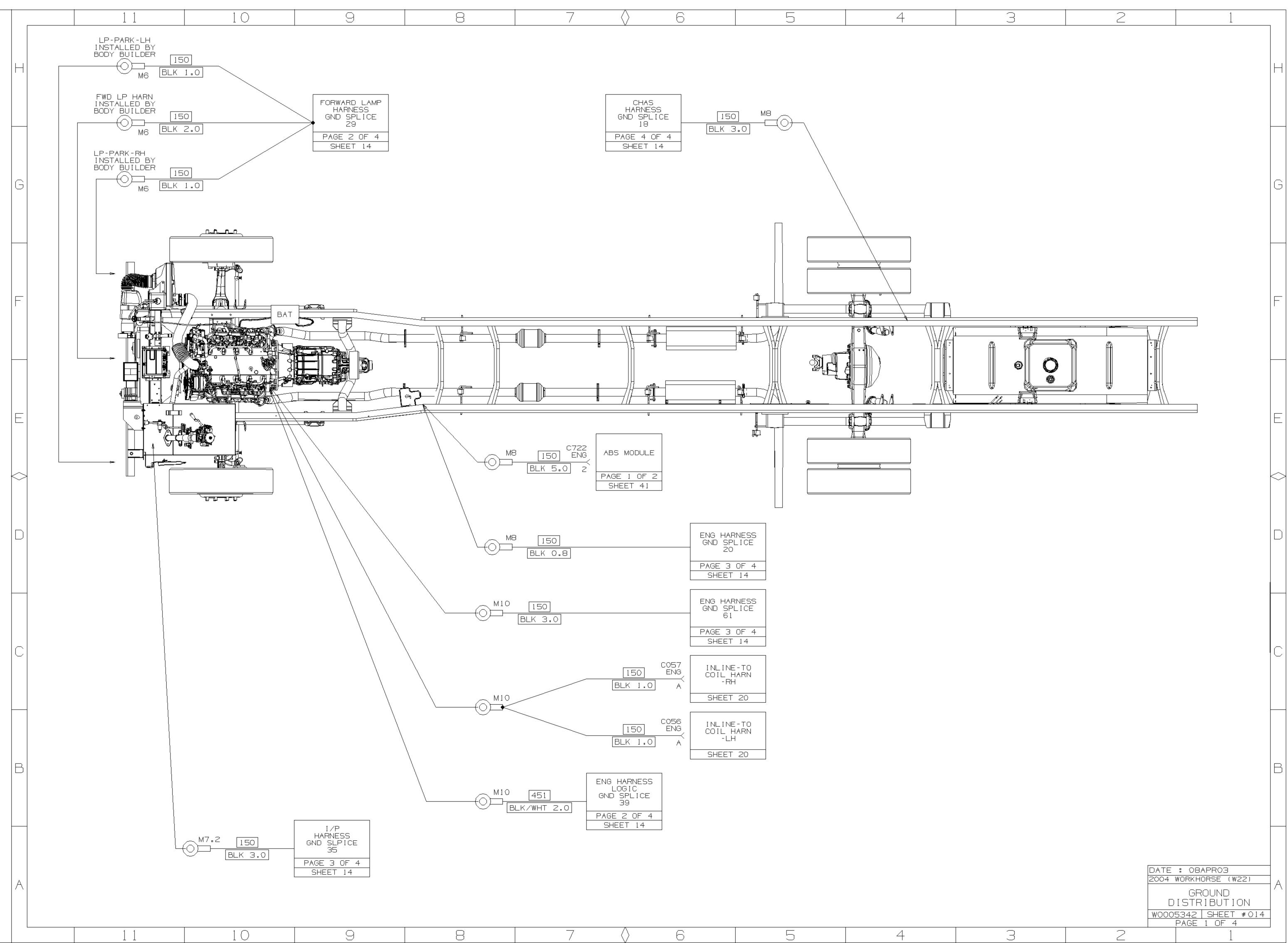
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DATE : OBAPRO3 2004 WORKHORSE (W22) CONVENIENCE CENTER W0005342 SHEET #013 PAGE 1 OF 1

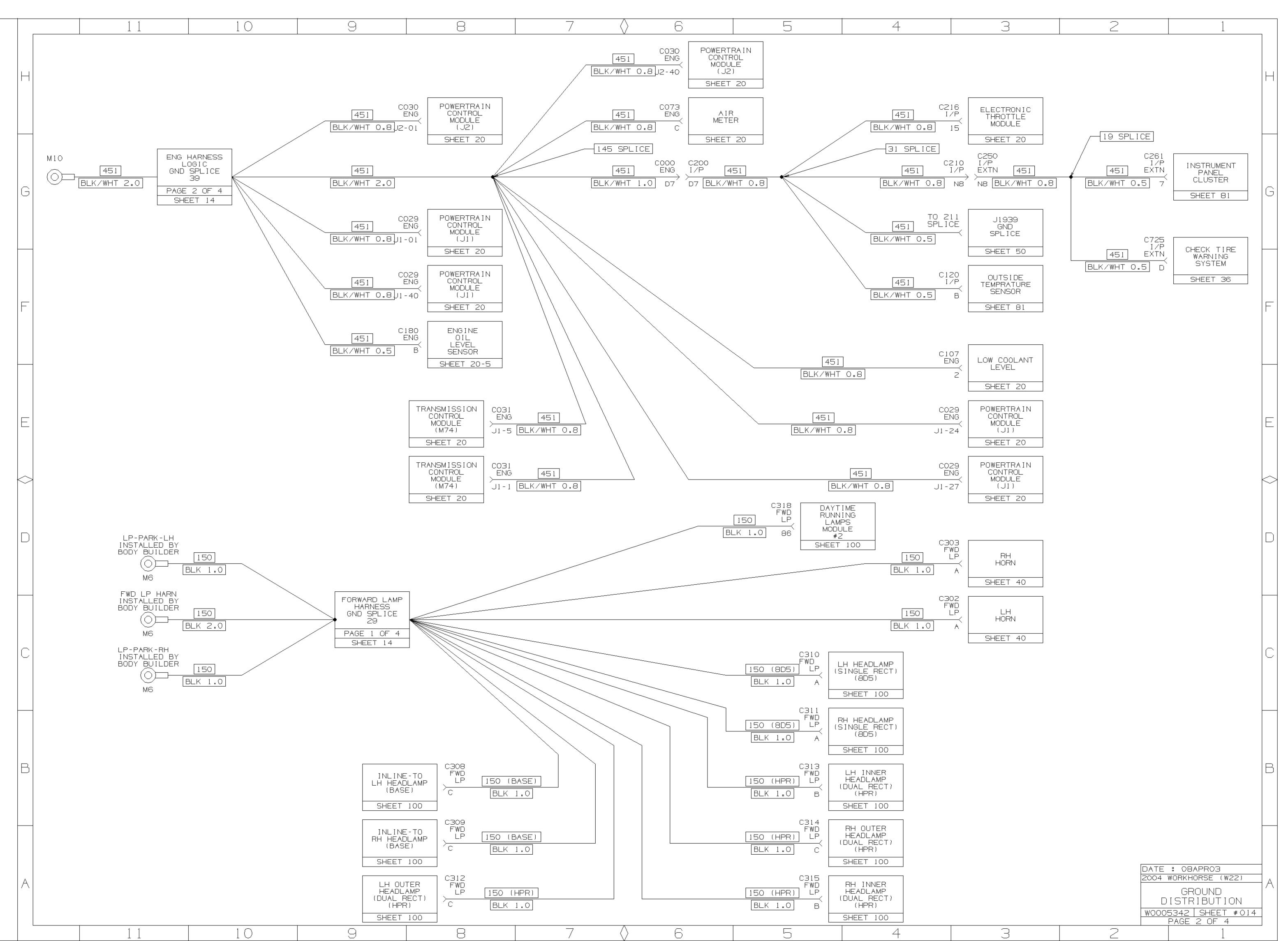
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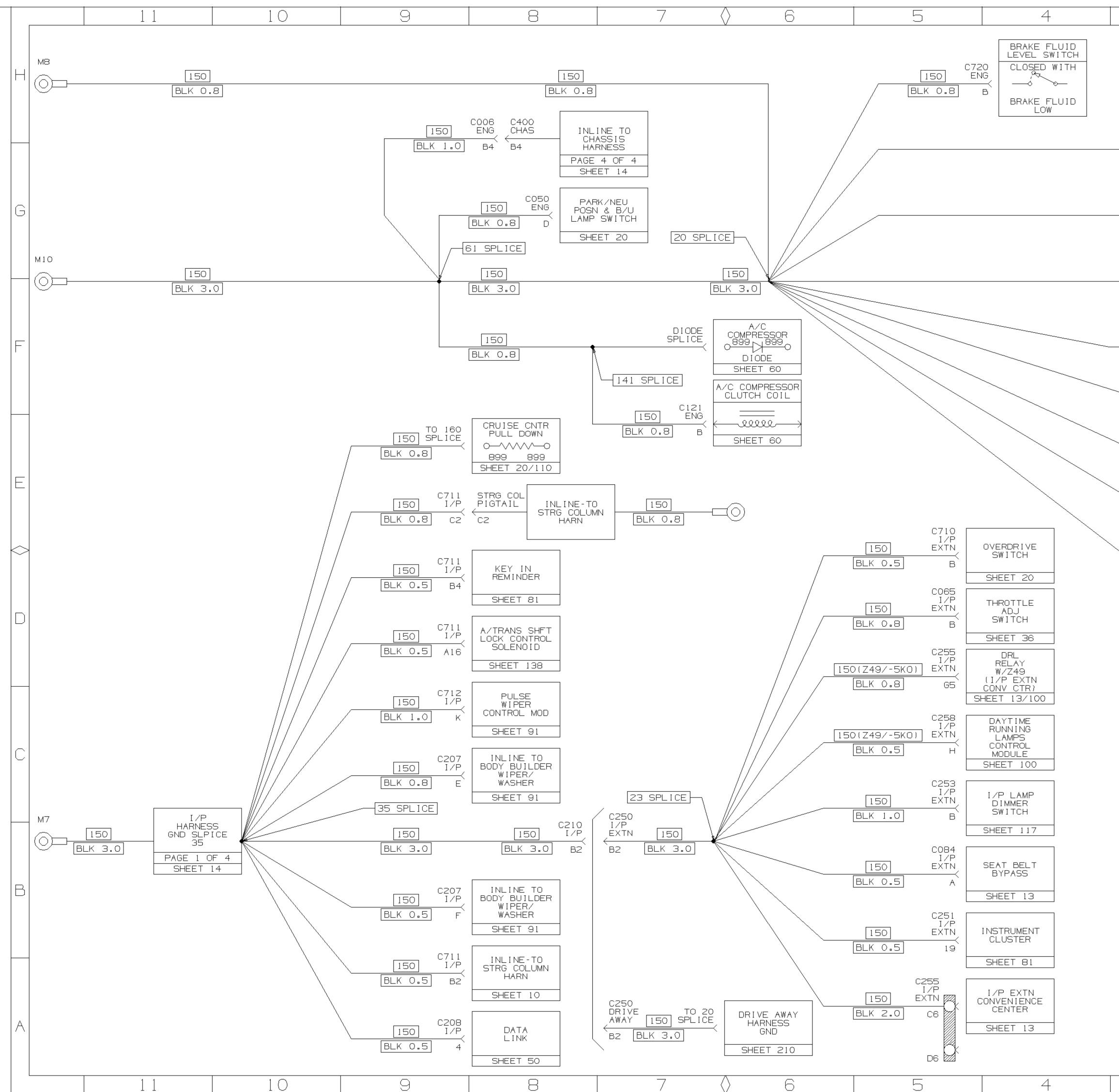
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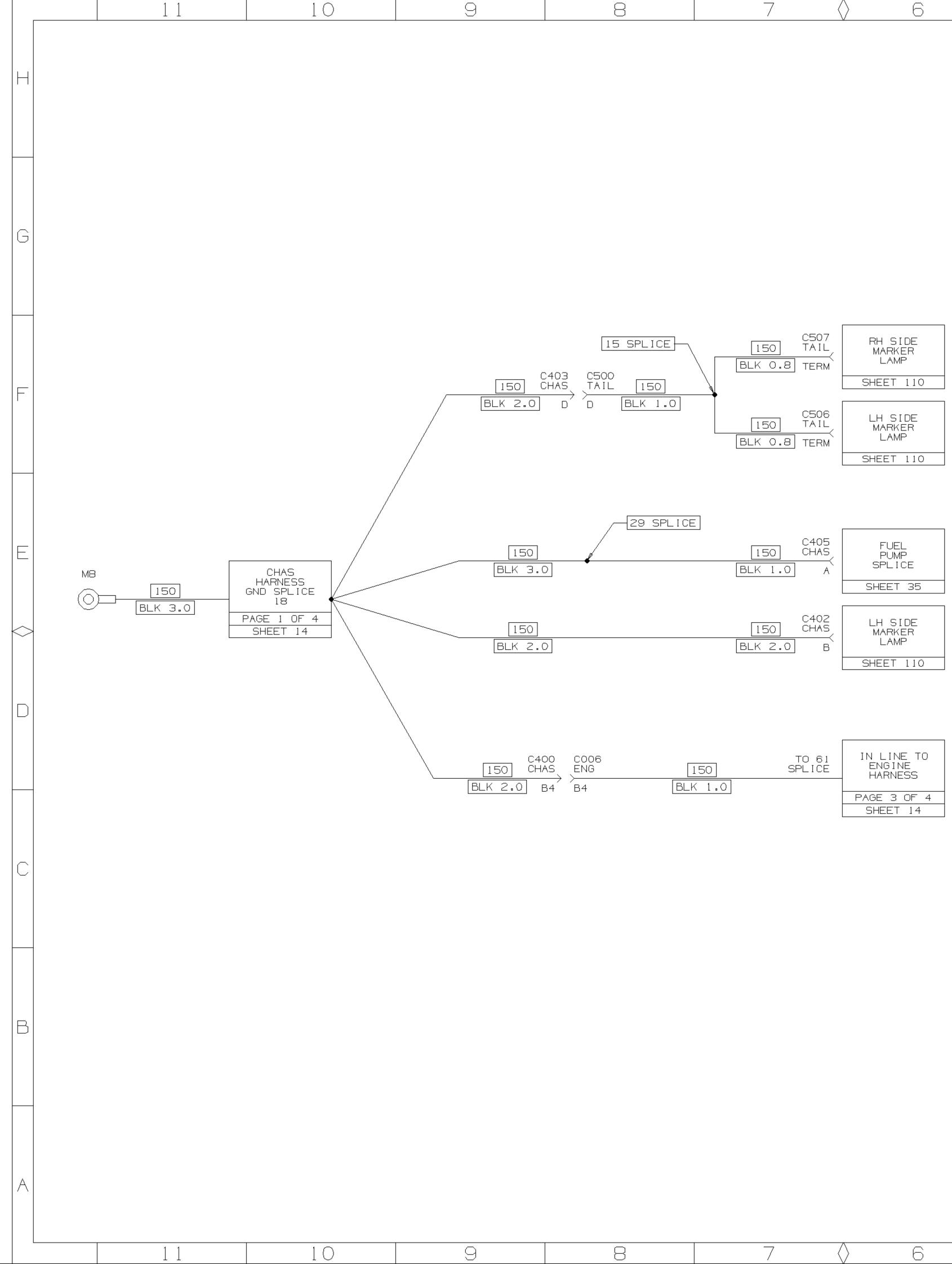
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		BRAKE BOOSTER FLUID FLOW SWITCH	
	C717 150 ENG	NORMAL CLOSED	
	BLK 1.0 B	OPEN WITH Fluid flow	
	150 C001 ENG	ABS RELAY	G
	BLK 0.5 D2	SHEET 41	
	[150] C001 ENG	A/TRANS SHIFT LOCK CONTROL	
	BLK 0.5 C4`	SOL RELAY SHEET 138	
	0001		
	150 C001 ENG	FUEL PUMP RELAY	F
	BLK 0.5 A1	SHEET 35	
	C118		
	ISO ENG BLK 0.8 B	A/C COMPR. REFRIG. PRESS SW	
		SHEET 60	
	ТО 137	A/C COMPRESSOR	
	BLK 0.8	00	E
		899 899 SHEET 60	
	C113	ENG COOL	
	150 ENG BLK 2.0 A	FAN MOTOR	
		SHEET 31	
	C109 [150] ENG	SECONDARY HIGH	
	BLK 0.B A	PRESSURE SW	
		SHEET 31	
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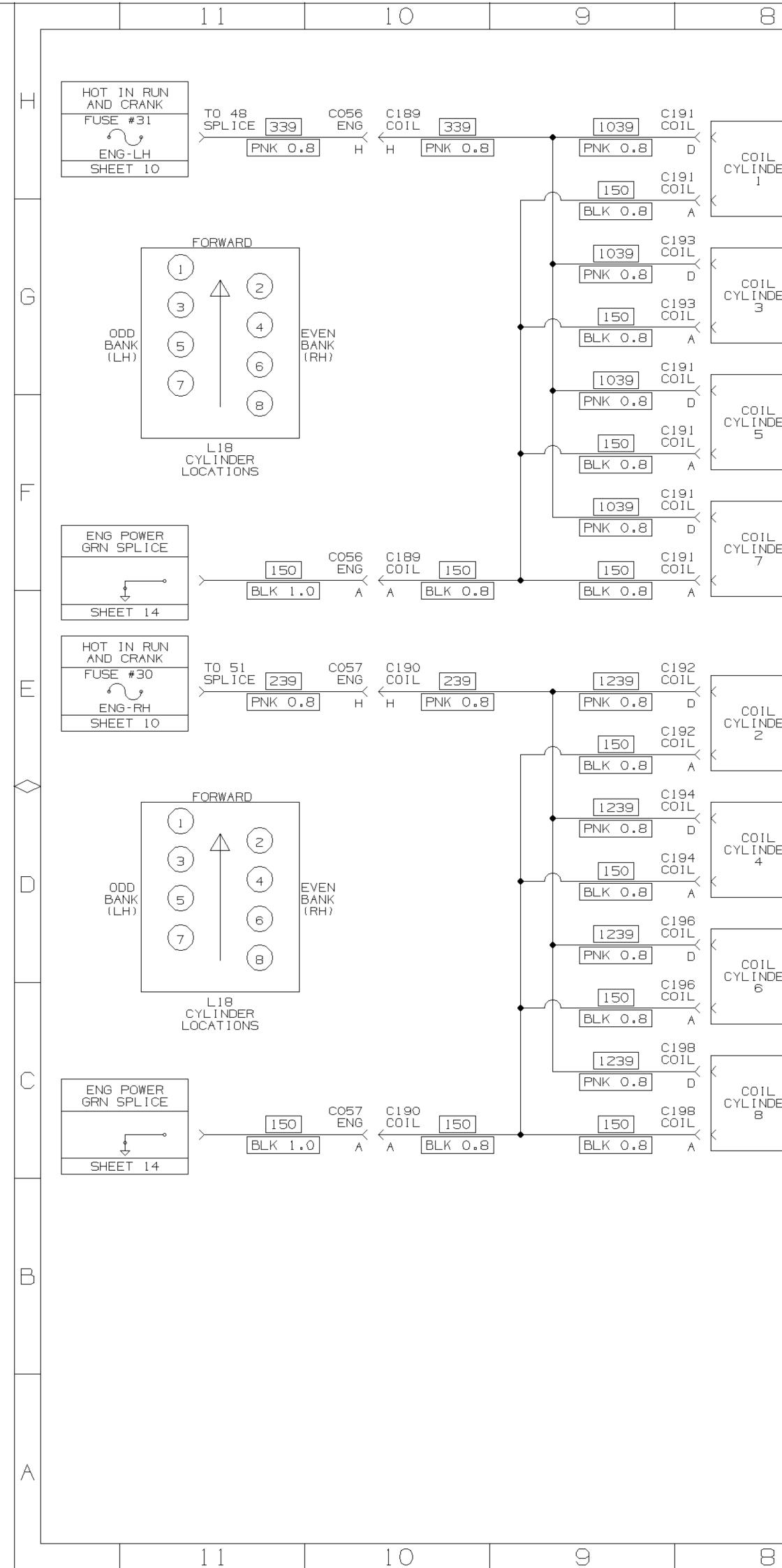


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150	TO 61 SPLICE	IN LINE TO ENGINE HARNESS
BLK 1.0		PAGE 3 OF 4 SHEET 14

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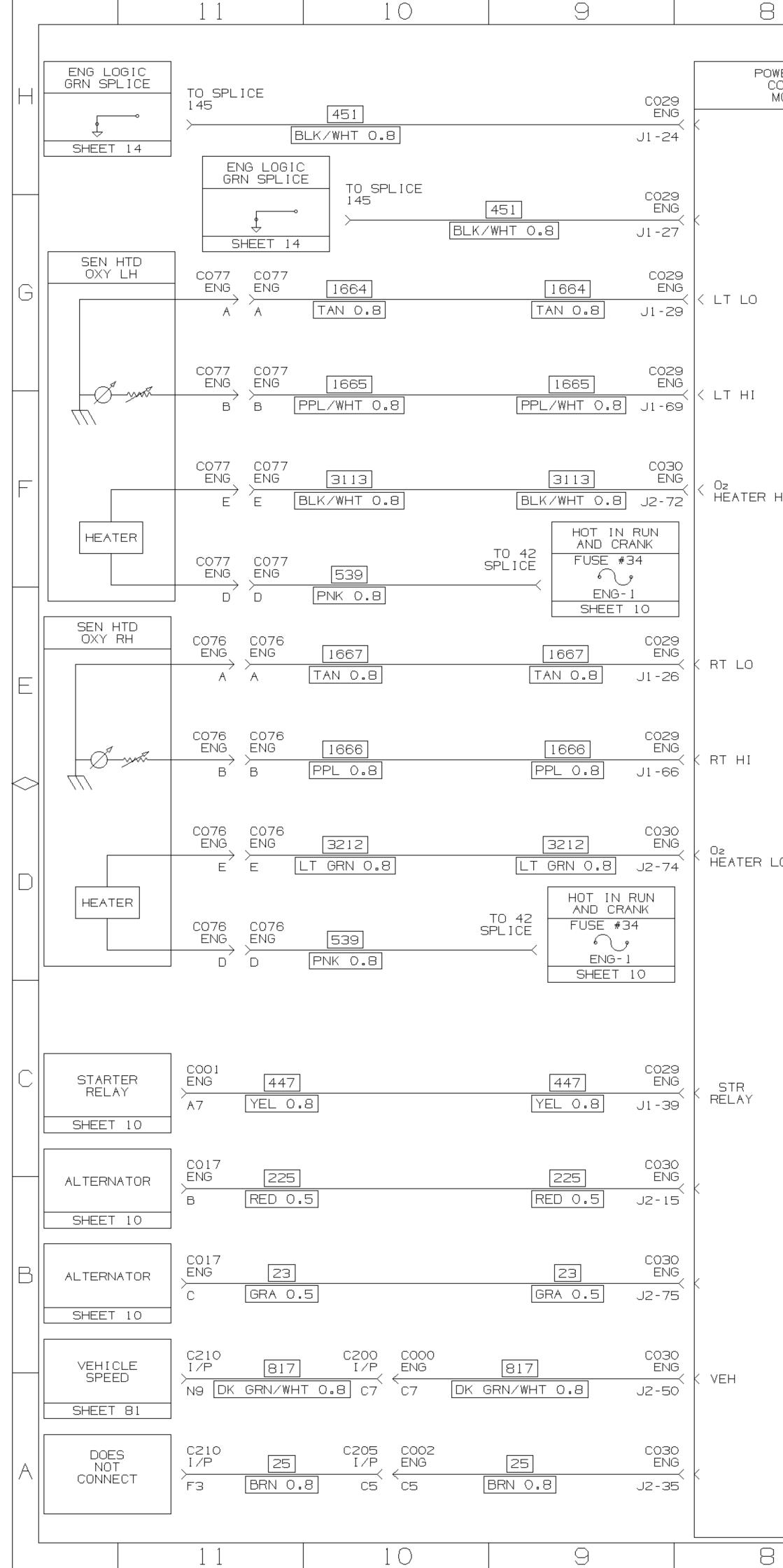
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						POWERTRAIN CONTROL MODULE							
IL NDER	C191 COIL 2121 C PPL 0.8	2121 PPL 0.8	C189 C056 COIL ENG G G	2121 PPL 0.8	CO30 ENG J2-26	K EST A							
	C191 COIL 2129 B BRN 0.8 C193		C189 C056		C030	;	C030 ENG J2-44	2013 RED 0.5	COOO C200 ENG I/P CB CB	2013 RED 0.5	C210 ENG K6	INSTRUMENT PANEL CLUSTER (HIGH IDLE)	
IL NDER 3	COIL 2123 C LT BLU 0.8 C193 COIL 2129	2123 	COIL ENG F F [	2123 _T BLU 0.8	JZ-69	K EST H	C030 ENG J2-58		332 Tan/Wht 0.8	]	C103 ENG C	SHEET 81	G
	1 B BRN 0.8 C191 COIL 2125 C DK GRN 0.8	2125 DK GRN 0.8	C189 C056 COIL ENG	2125 DK GRN 0.8	CO30 ENG J2-68	K EST F	C029 ENG J1-07		705 GRA 0.8		C103 ENG B	SENSOR ENG OIL PRESSURE	
IL NDER	C191 COIL 2129 B BRN 0.8					;	CO29 ENG J1-63		2751 BLK 0.8		C103 ENG A		
IL NDER	COIL 2127 COIL 2127 C RED 0.8 C191	2127 RED 0.8	C189 C056 COIL ENG B B C189 C056 C0IL ENG	2127 RED 0.8	CO30 ENG J2-27 CO30 ENG	K EST C					L		
	B BRN 0.8	2129 BRN 0.8	E E	2129 BRN 0.8	J2-60	K EST LO ODD							
I L NDER	C192 COIL 2122 COIL C122	2122 RED/WHT 0.8	C190 C057 COIL ENG B B R	2122 ED/WHT 0.8	CO30 ENG J2-67	K EST D							E
	C192 COIL 2130 B BRN/WHT 0.8 C194		C190 C057		C030								$\bigcirc$
IL NDER 1	C194 COIL 2124 CDK GRN/WHT 0.8 C194 COIL 2130	DK GRN/WHT O	C190 C057 COIL ENG .8 c c DK	2124 GRN/WHT 0.8	C030 ENG JJ2-29	K EST G							
	B BRN/WHT 0.8 C196 COIL 2126		C190 C057 COIL ENG	2126		K EST E							
IL NDER S	CI96 COIL 2130 B BRN/WHT 0.8	LT BLU/WHT O	<u>.8</u> f`F <u>LT</u>	BLU/WHT 0.8	3JJ2-28`								
IL NDER	C198 COIL 2128 C PPL/WHT 0.8	2128 PPL/WHT 0.8		2128 PL/WHT 0.8	CO30 ENG J2-66	K EST B							С
3	COIL 2130 B BRN/WHT 0.8	2130 BRN/WHT 0.8		2130 RN/WHT 0.8	CO30 ENG J2-61	K EST LO EVEN							
		ENG. COO TEMP SE	DLANT NSOR C105 ENG A	720 GRA 0.5	C029 ENG J1-80	K V5B RTN C							
			VV C105 ENG B	410 YEL 0.5	C029 ENG J1-74	K ECL TEMP							B
					51-74								

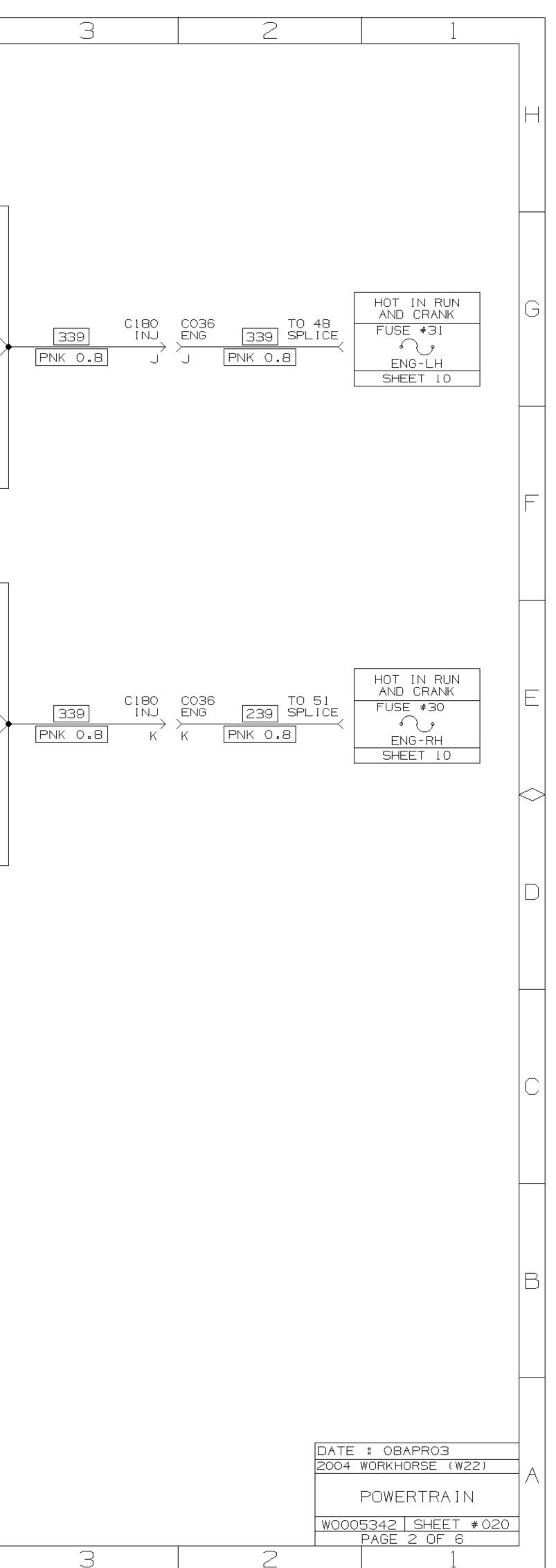
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W0005342 SHEET #020 PAGE 1 OF 6	
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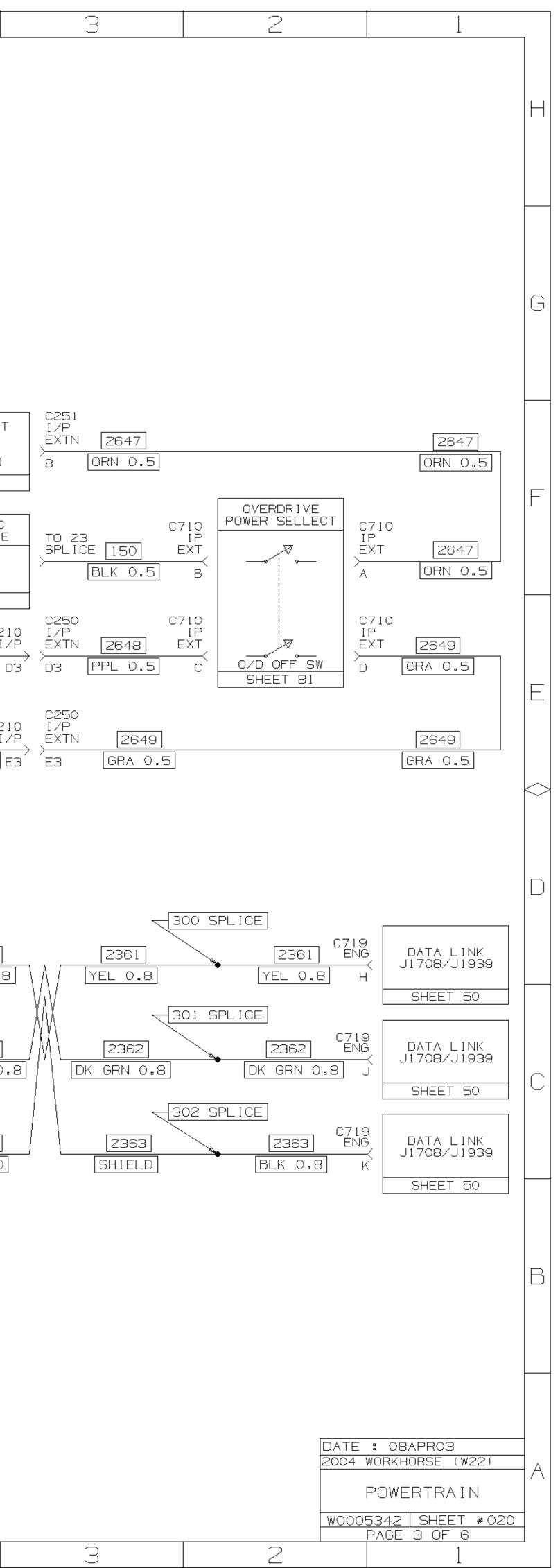
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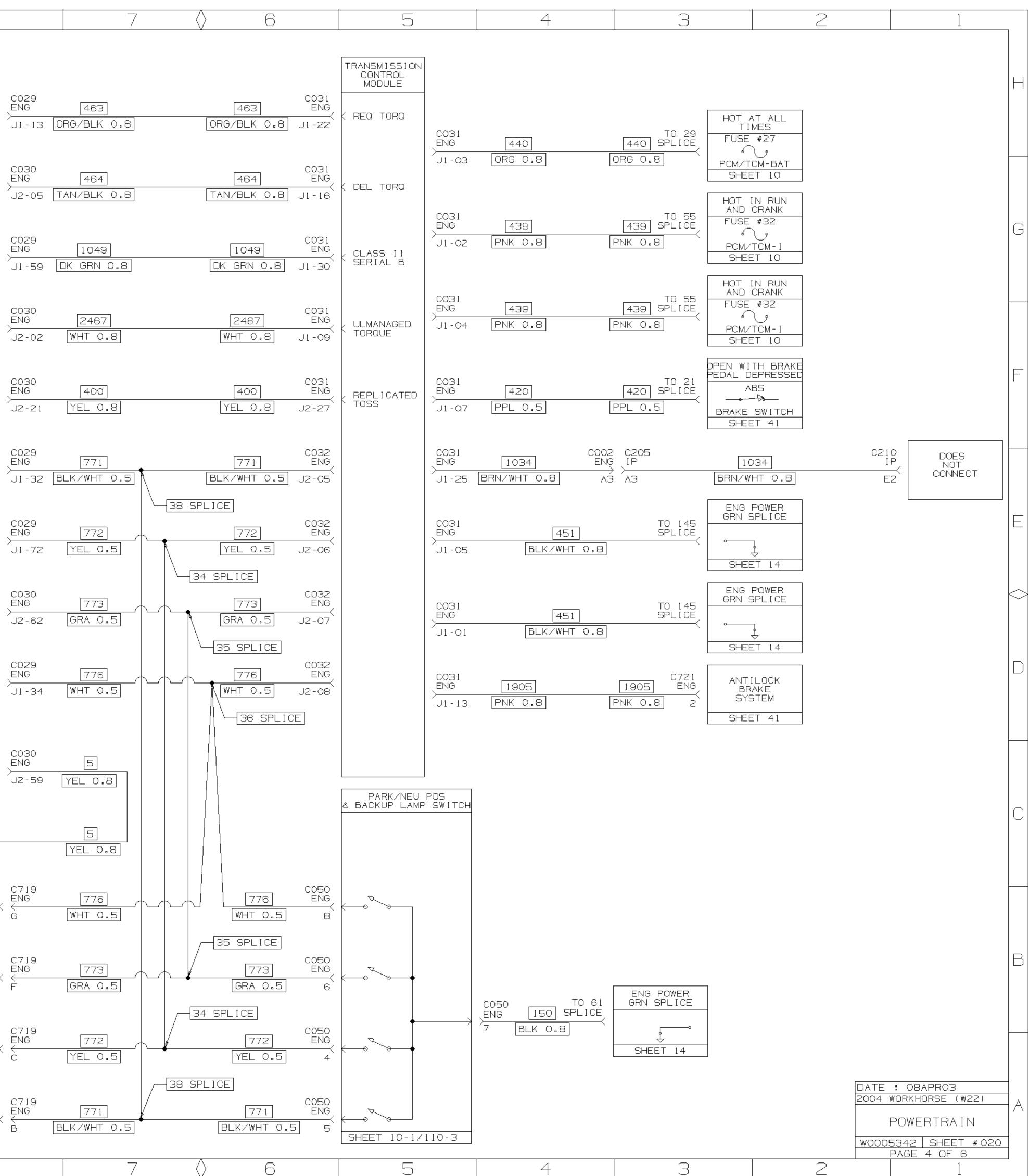


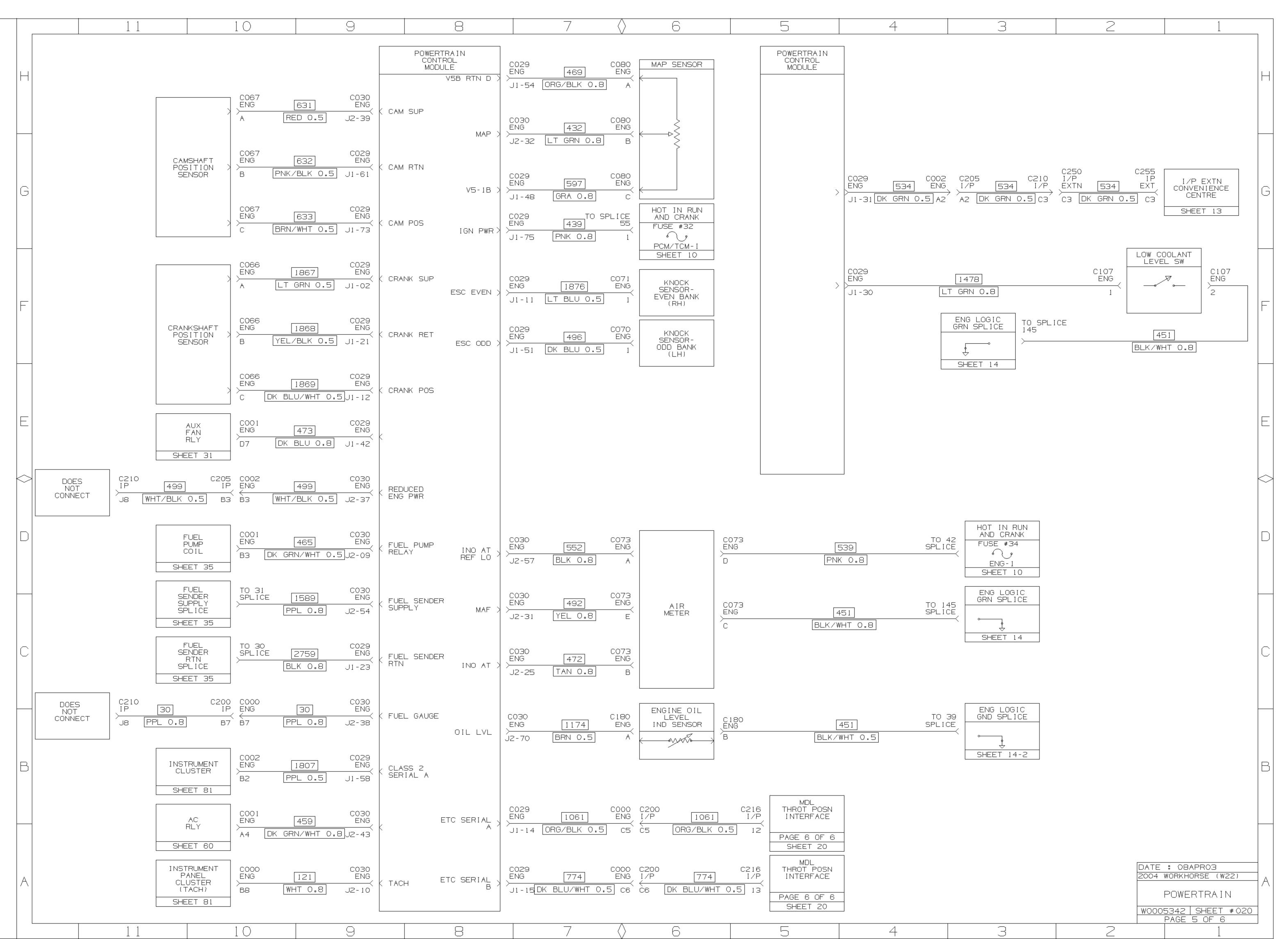


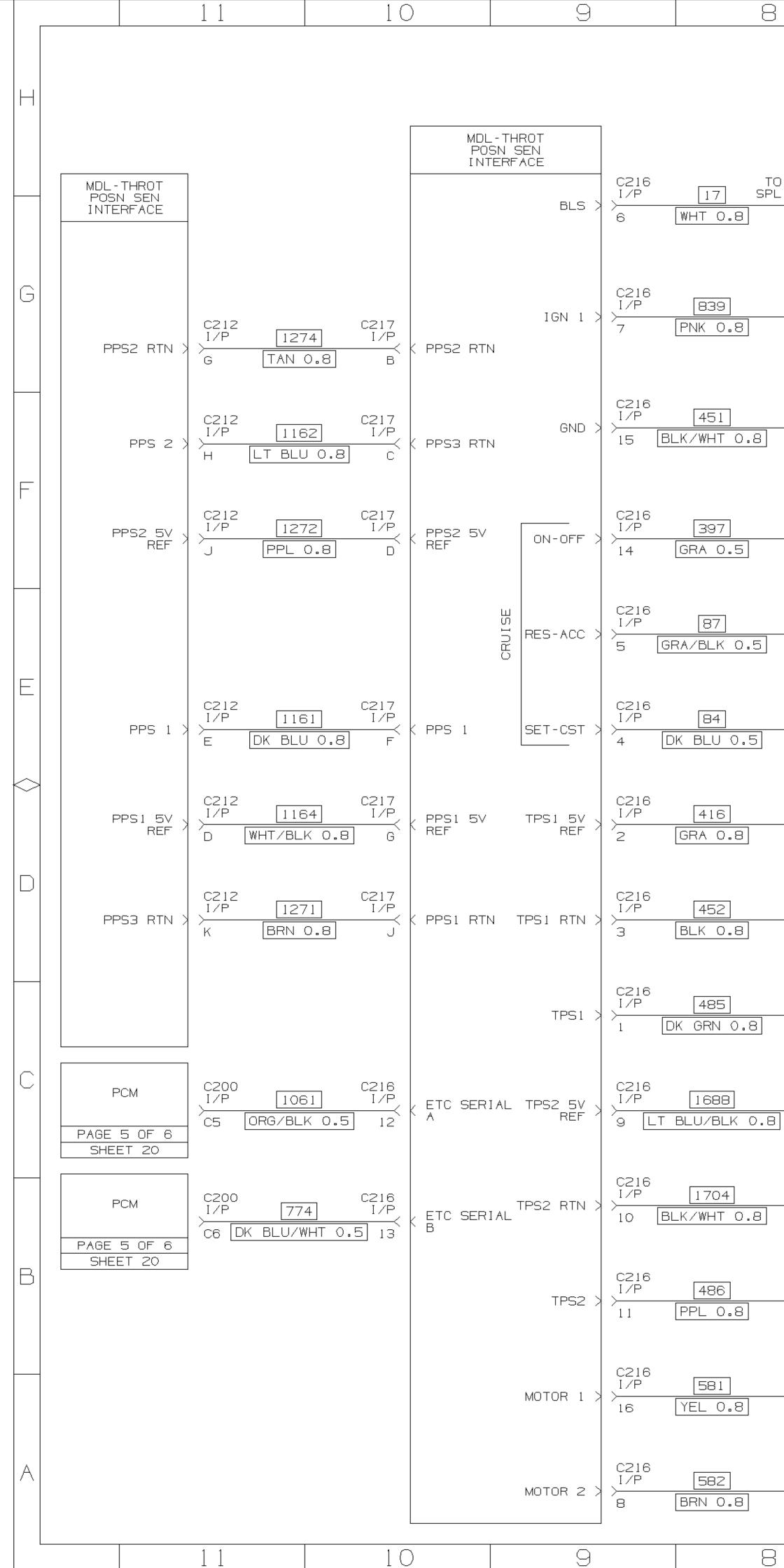
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	TRANSMISSION CONTROL MODULE				AUTOMATIC TRANSMISSION M74				TRANSMISSI CONTROL MODULE	ON				
	SOL A (PCS)+ )	C032 ENG J2-22	1229	C059 [1229] ENG [LT BLU/WHT 0.8]L	FORCE MOTOR SOL A 	CO59 ENG M RE	1228 Ed/Blk 0.8	C032 ENG J2-23	( SOL A (PCS)-	_				
	SOL B (PCS)+ )	C032 ENG J2-24	1526 4 WHT 0.8	C059 [1526] ENG [WHT 0.8] N	FORCE MOTOR	CO59 ENG P	1992 PPL 0.8	C032 ENG J2-25	(SOL B (PCS)-	-				
G			HOT IN RU AND CRAN		SOL C SOL C SOL C FORCE MOTOR SOL D	CO59 ENG A	1222 T GRN 0.8	CO32 ENG J2-26	(SOL C (PCS)-	-				
			FUSE #32 PCM/TCM SHEET 10	$\frac{1}{1}$	∶ K ♦ JUUUU	CO59 ENG B YE CO59 ENG	1223 EL/BLK 0.8	CO32 ENG J2-27 CO32 ENG	( SOL D (PCS) -	-			INS F CL (O,	TRUMENT PANEL _USTER /D_OFF )
F			HOT IN RU AND CRAN FUSE #32	$\rightarrow$ SPLICE 439 ENG	FORCE MOTOR SOL F LILL	* >	<u>418</u> BRN 0.8	J2-28 CO32 ENG J2-29	( SOL E (PCS) - ( SOL F (PCS) -					EET 81 G LOGIC SPLICE
	PRESS SW MAN C )	C032 ENG J2-01	SHEET 10		PRESSURE SW MANIFOLD				OVERD	RIVE >	C031 ENG 2648 J1-12 PPL 0.	$ \longrightarrow$	C239 I/P	, EET 14 C210 348 I/P 0.5 D3
E	PRESS SW MAN D	CO32 ENG JZ-02	1225 2 DK BLU 0.8	C059 [1225] ENG [DK BLU 0.8] F					OVERD RE	RIVE >	C031 ENG 2649 J1-28 GRA 0.	$ \longrightarrow $		C210 49 I/P U 0.5 E3
$\diamond$	PRESS SW MAN E	C032 ENG J2-03		(059 [1226] ENG [RED 0.8] E [C059]										
	PRESS SW MAN R	ENG	2529	С059 ENG LT GRN/BLK 0.8 к		CO59 ENG R []	2548 DK GRN 0.8	CO32 ENG J2-30	< PRESSURE CONTROL	11030	215 S 215 S 215 S 215 S 2361	<u>plice</u> }—,		
	SUMP TEMP 3	C032 ENG J2-10	1227 ) YEL/BLK 0.8	CO59 1227 ENG YEL/BLK 0.8 G		CO59 ENG T	2471 PPL 0.8	CO32 ENG J2-21	SI ( TRANS ID	/1939 HIGH > 1 GNAL	UI-29 YEL 0	.8	99 VVVV 89 120 OHM 0.75 WATT	2361 YEL 0.8
С	SENSOR GND 3	CO32 ENG J2-20 CO32 ENG	407 ) BLK 0.8	<u>407</u> ENG BLK 0.В H [1230] СОб1 ENG						LOW ) : GNAL	) J1-32 DK GRN 214 S		/ _	GRN 0.8
	ENGINE SPEED )	JZ-17 CO32 ENG		I230     ENG       RED/BLK 0.8     A       I231     CO61       ENG	ENGINE OUTPUT SPEED				SI	GNAL >	CO31 ENG 2363 J1-31 BLK 0 224 SF	<u></u>	[	2363 Shield
B	ENGINE SPEED : TURBINR SPEED :	> J2-18 C032 ENG J2-13	3 DK BLU/WHT 0.8	DK BLU/WHT 0.8     B       1983     C058       ORG 0.8     A										
	TURBINR SPEED 3	C032 ENG J2-14	LT BLU 0.8	1984 LT BLU 0.8 B										
	TOSS SIGNAL (	CO32 ENG JZ-15	5 PPL/WHT 0.8	B21   CO62     PPL/WHT 0.8   A	K-JIII TRANS OUTPUT SPEED									
	TOSS SIGNAL 3	CO32 ENG J2-16		UT GRN/BLK 0.8			7		6				4	
1						1		V		I		I		



		1 1	10	Ç	}	8
	HOT IN RUN AND CRANK FUSE #32 PCM/TCM-1 SHEET 10	TO 55 Splice 439 PNK 0.8	439 PNK 0.8	CO29 ENG J1-19	CON	RTRAIN ITROL DULE REQ TORQ >
	HOT AT ALL TIMES FUSE #27 PCM/TCM-BAT SHEET 10	TO 29 SPLICE 440 ORG 0.8	440 ORG 0.8	C029 ENG J1-20	(VBATT1	DEL TORQ >
G	HOT AT ALL TIMES FUSE #27 PCM/TCM-BAT SHEET 10	TO 29 SPLICE 440 ORG 0.8	440 ORG 0.8	CO29 ENG J1-57	(VBATT2	CLASS II SERIAL B
F	DPEN WITH BRAKE PEDAL DEPRESSED BRAKE 	TO 21 SPLICE 420 PPL 0.5	420 PPL 0.5	CO29 ENG J1-33	( BRAKE NC	UNMANAGED > TORQUE >
	SECONDARY HIGH PRESS SW	C109 ENG 604 B DK BLU 0.8	604 Dk blu 0.8	CO30 ENG J2-11	( FAN CONTF	REPLICATED TOSS
E	OFF 12 PSI SHEET 31 A/C COMPRESSOR REFRIGERANT PRESSURE SW NORMAL: OPEN CUT-OUT AT 2-9 PSI CUT-IN AT 22-32 PSI SHEET 60	C118 ENG 603 A DK GRN 0.8	603 Dk grn 0.8	CO30 ENG ] J2-55	A/C PRESS Cyc switc	PRDNL A >
	> A/C COMPRESSOR HIGH PRESSURE CUTOFF SWITCH 	C115 ENG 762 B DK GRN/WHT 0.8 136 SPLICE	762 Dk grn/wht o	CO30 ENG .8J2-17	∕ A∕C REQ	PRDNL P >
	- 899,					CRANK REQ >
C	HOT IN CRANK	C711 I/P 5 D1 YEL 0.8		5 0.8	С205 I/Р СЗ	COO2 ENG C3
				TO RIVE AWAY HARNESS SHEET 210	G5 W	C239 IP HT 0.5 G
B				TO RIVE AWAY HARNESS GHEET 210	G4 G	C239 IP RA 0.5 F
				TO RIVE AWAY HARNESS SHEET 210	C210 IP L8 Y	C239 IP EL 0.5 c
A				TO RIVE AWAY HARNESS SHEET 210	C210 IP H9 BLK	С239 <u>771</u> IP /WHT 0.5 в
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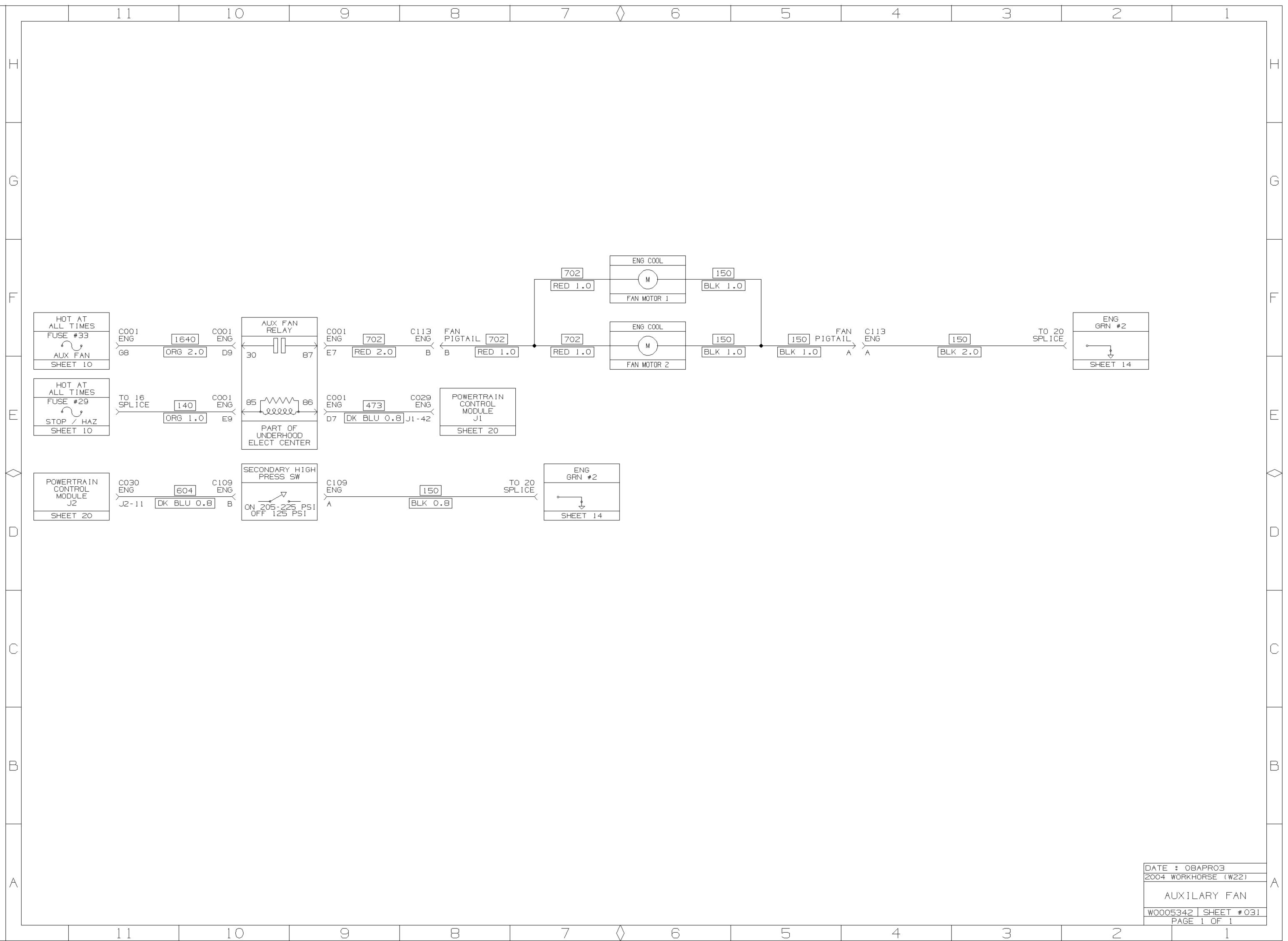






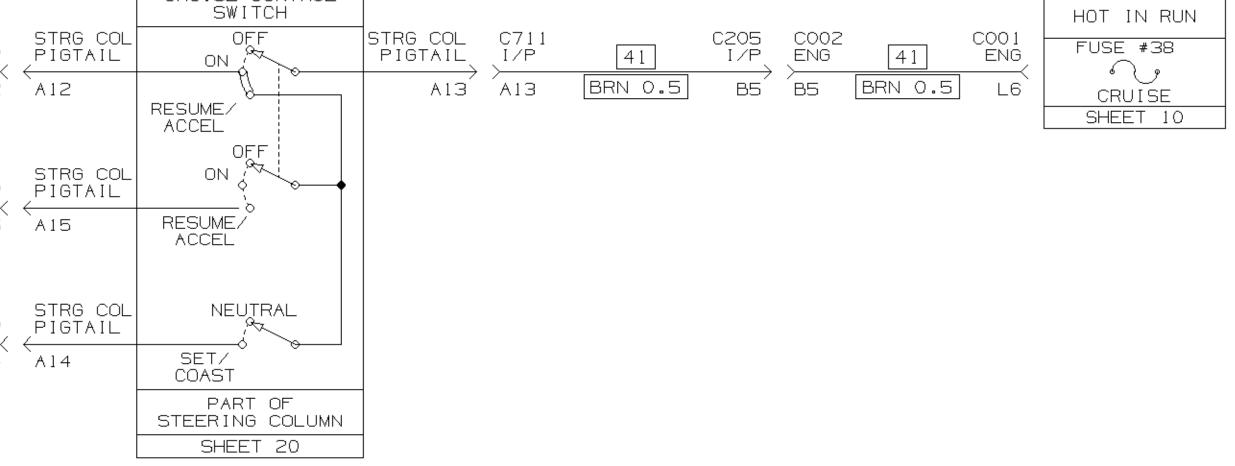
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TO 14 BR. PLICE DI BRA	WER WITH AKE PEDAL EPRESSED V KE SWITCH HEET 110				٥٩٩	A	DT IN RUN Nd crank JSE #40	
					839 PNK 0.8		ETM	
							SHEET 10	
					[451] SI	TO 31 GF	NG LOGIC RN SPLICE	
				BL	_K/WHT 0.8		SHEET 14	
C711 I/P A12 R C711 I/P	CRUISE CONTROL SWITCH	416 GRA 0.8	C200 I/P C1 C200 I/P	C000 ENG C1 C000 ENG	416 GRA 0.8		REF	
		[132] BLK 0.8 [485] DK GRN 0.8	C3 C200 I/P	C3 C3 C000 ENG D1 D	BLK 0.8			
8		1688	C200 I/P	COOO ENG	<u>1688</u> BLU/BLK 0.	CO75 ENG	S2 REF	
		1704 Blk/Wht o.8	C200 I/P 8 C4	COOO ENG C4 BL	1704 _K/WHT 0.8	CO75 ENG B K RTI	sz N	
		486 PPL 0.8	C200 I/P D2	COOO ENG D2	486 PPL 0.8	CO75 ENG F	s2	
		581 YEL 0.8	C2OO I/P D3	COOO ENG D3	581 YEL 0.8	CO75 ENG A { MO		
		582 BRN 0.8	C200 I/P D4	COOO ENG D4	582 BRN 0.8	CO75 ENG C C 2		
3	7	$\Diamond$	6			5	4	

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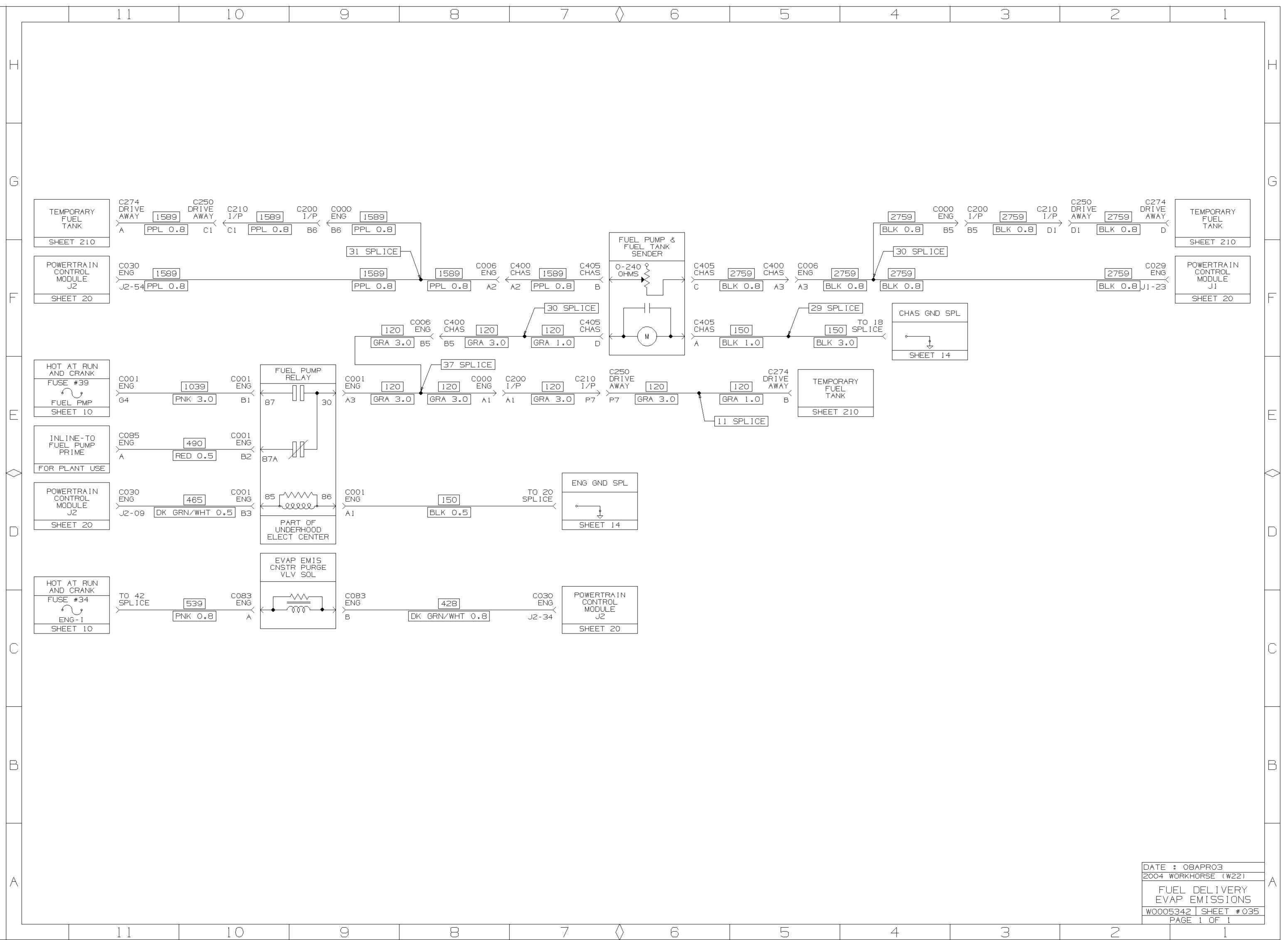


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					9		8	/				4	
H													
G													
F				MDL - THF Posn se I NTERF /	ROT								
					ACE C21	6 , 397	C711 STRG CC I/P PIGTAIL	CRUISE CONTROL SWITCH		C711 I/P 41	C205 C002 I/P ENG 4	C001 🛏	HOT IN RUN FUSE #38
					DN-OFF > > 14	GRA 0.5	A12 A12		$\rightarrow \rightarrow $	413 BRN 0.5	$\longrightarrow$ $\longrightarrow$ $\_$		CRUISE SHEET 10
E				CRUISE RE	S-ACC > 5	6 87 GRA/BLK 0.5							
				SHEET	C21 I/P 4	6 9 0k Blu 0.5	C711 STRG CC I/P PIGTAIL A14 A14	SET/ COAST PART OF STEERING COLUMN					
D								SHEET 20					
С													
В													
			T					1	χ				
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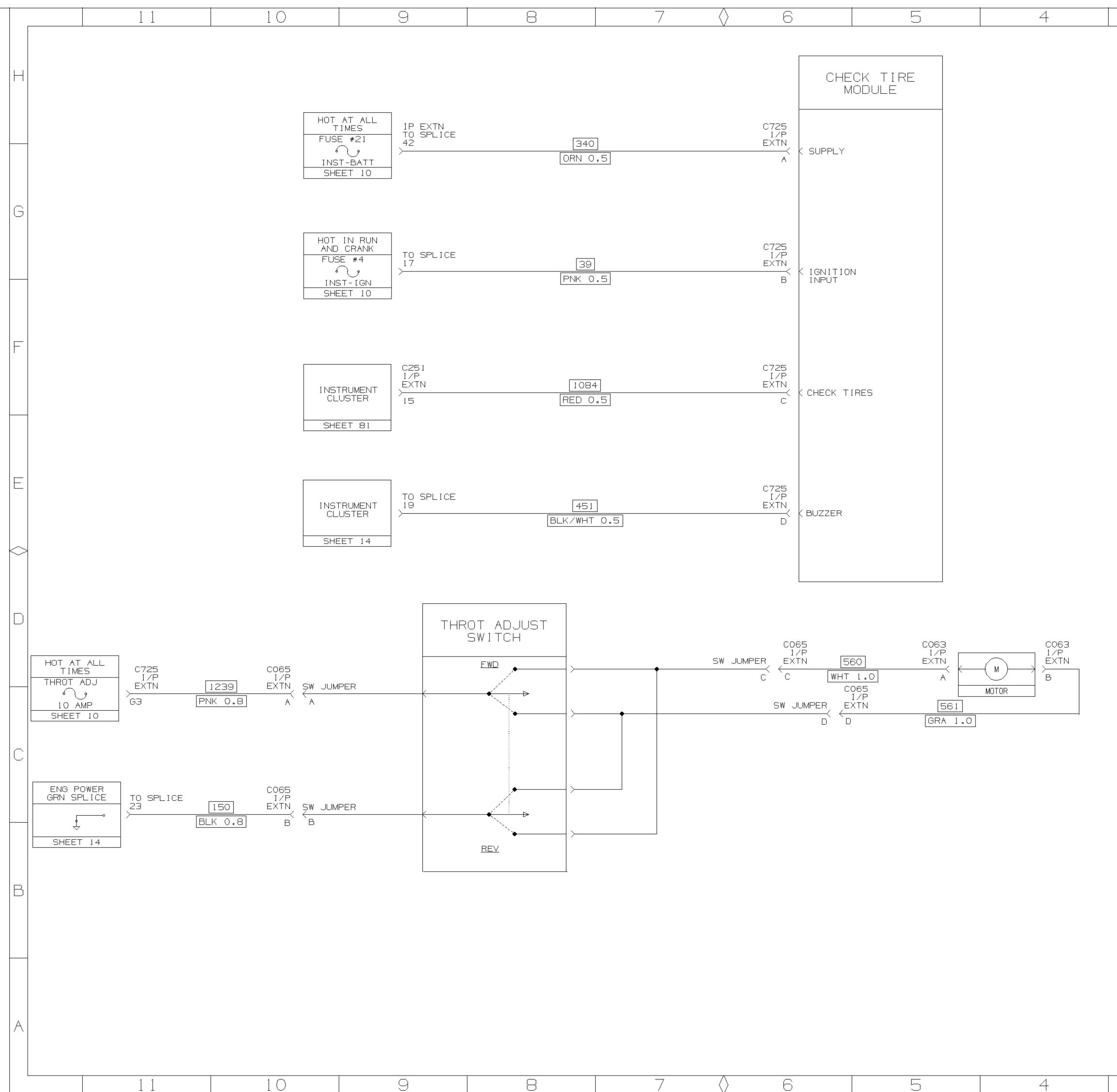


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	3	2	DATE : OBAPRO3 2004 WORKHORSE (W22) CRUISE CONTROL W0005342 SHEET #034 PAGE 1 OF 1 1	



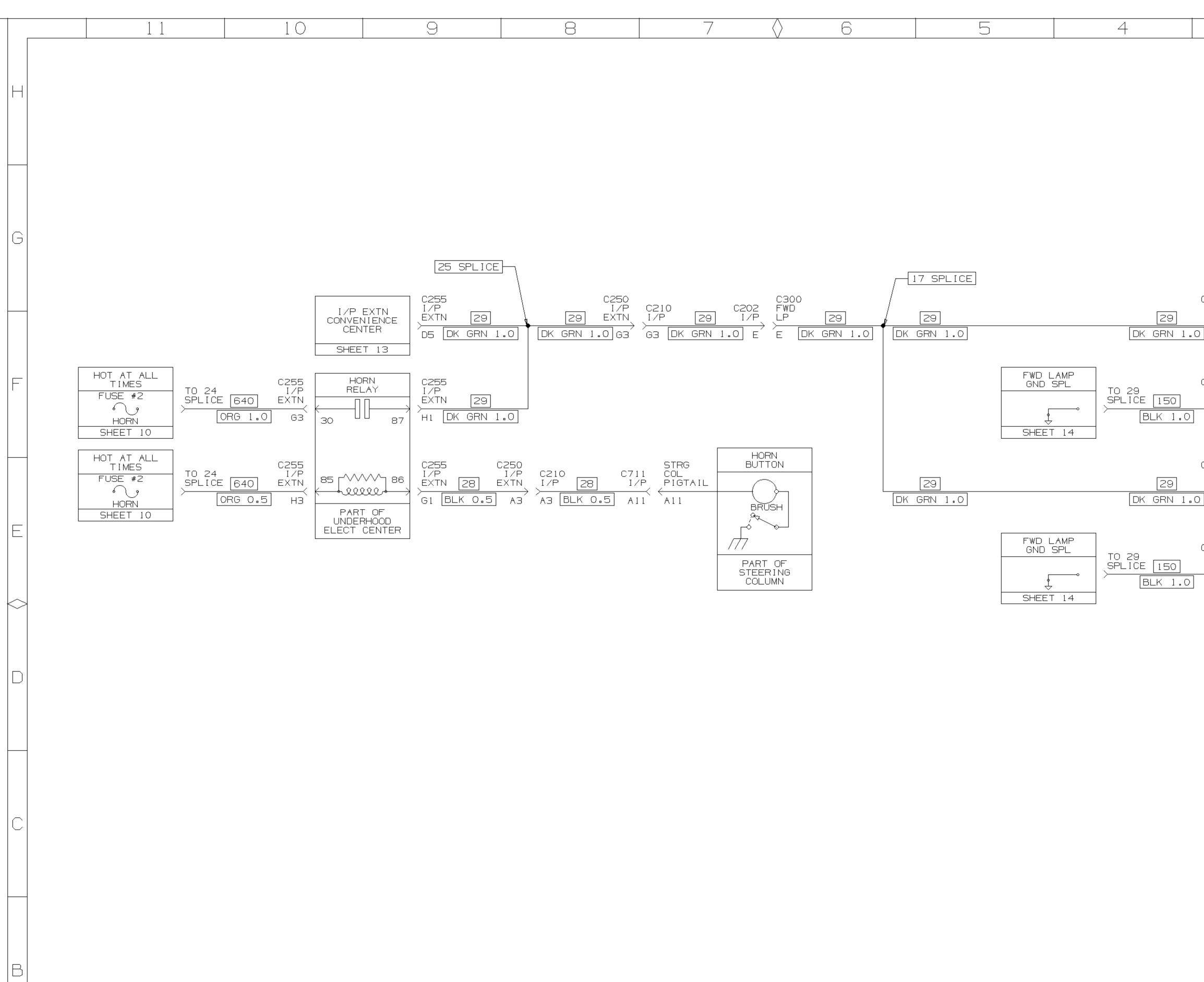
CUSTOM CHASSIS WORKHORSE

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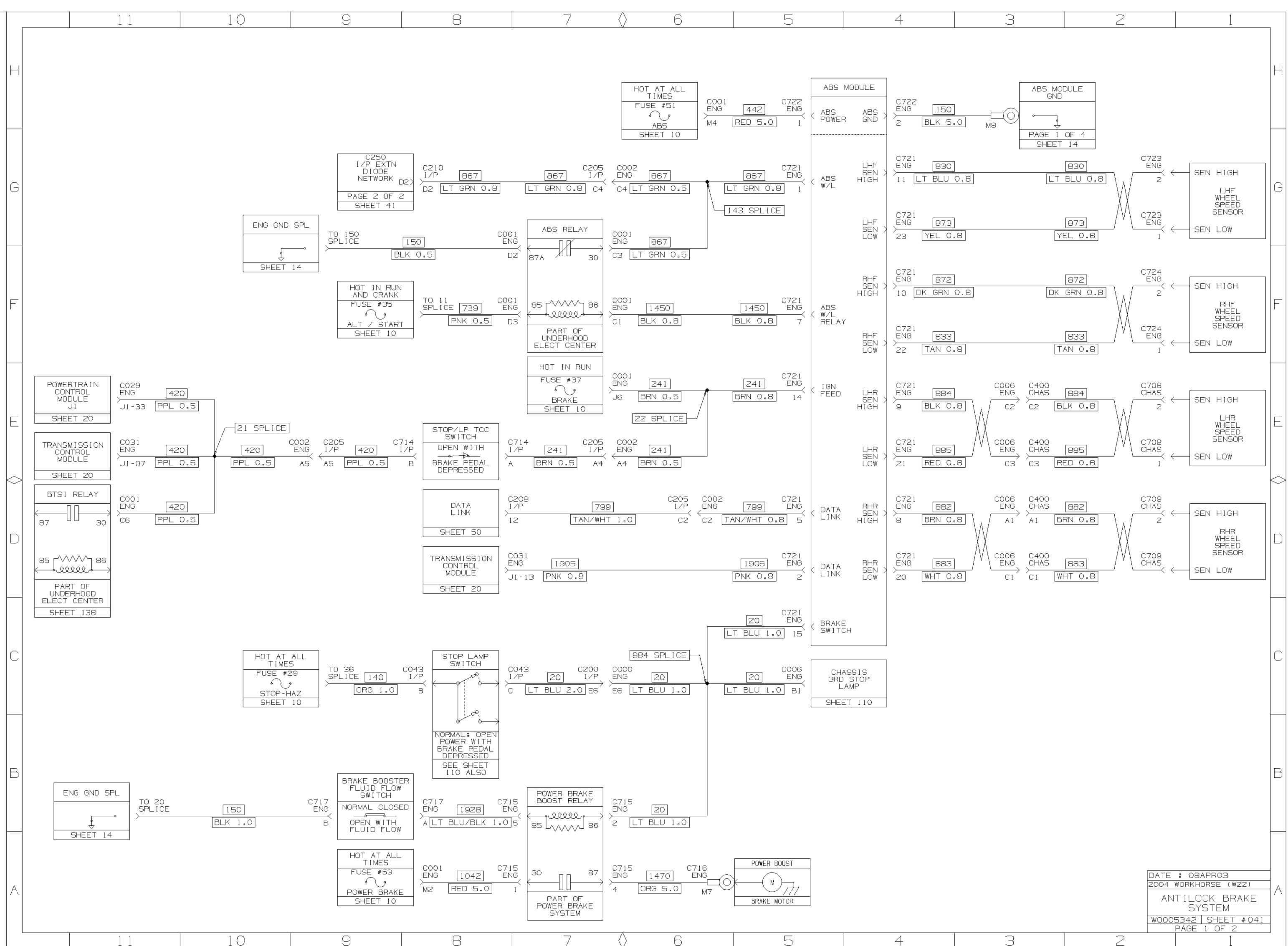
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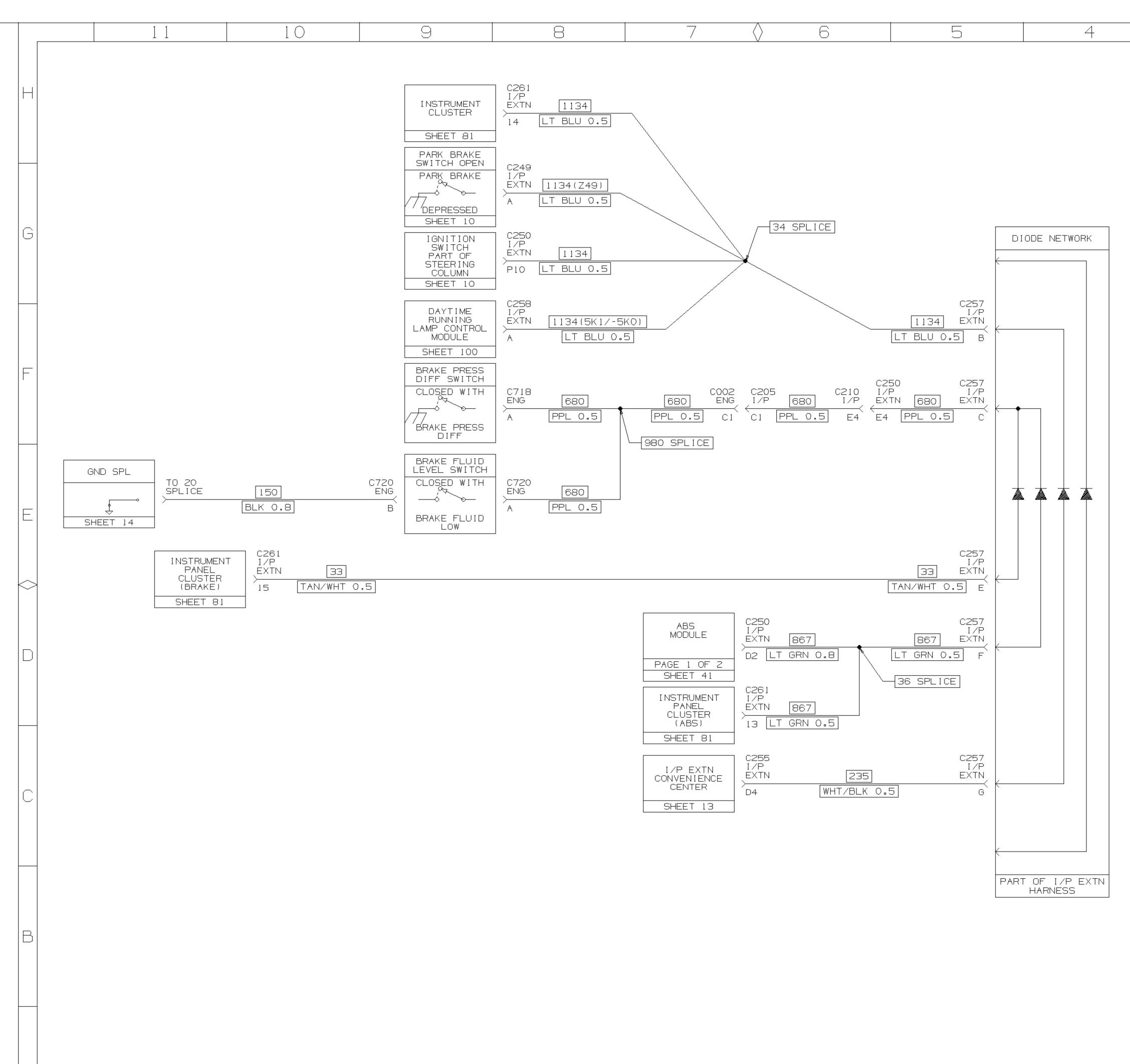


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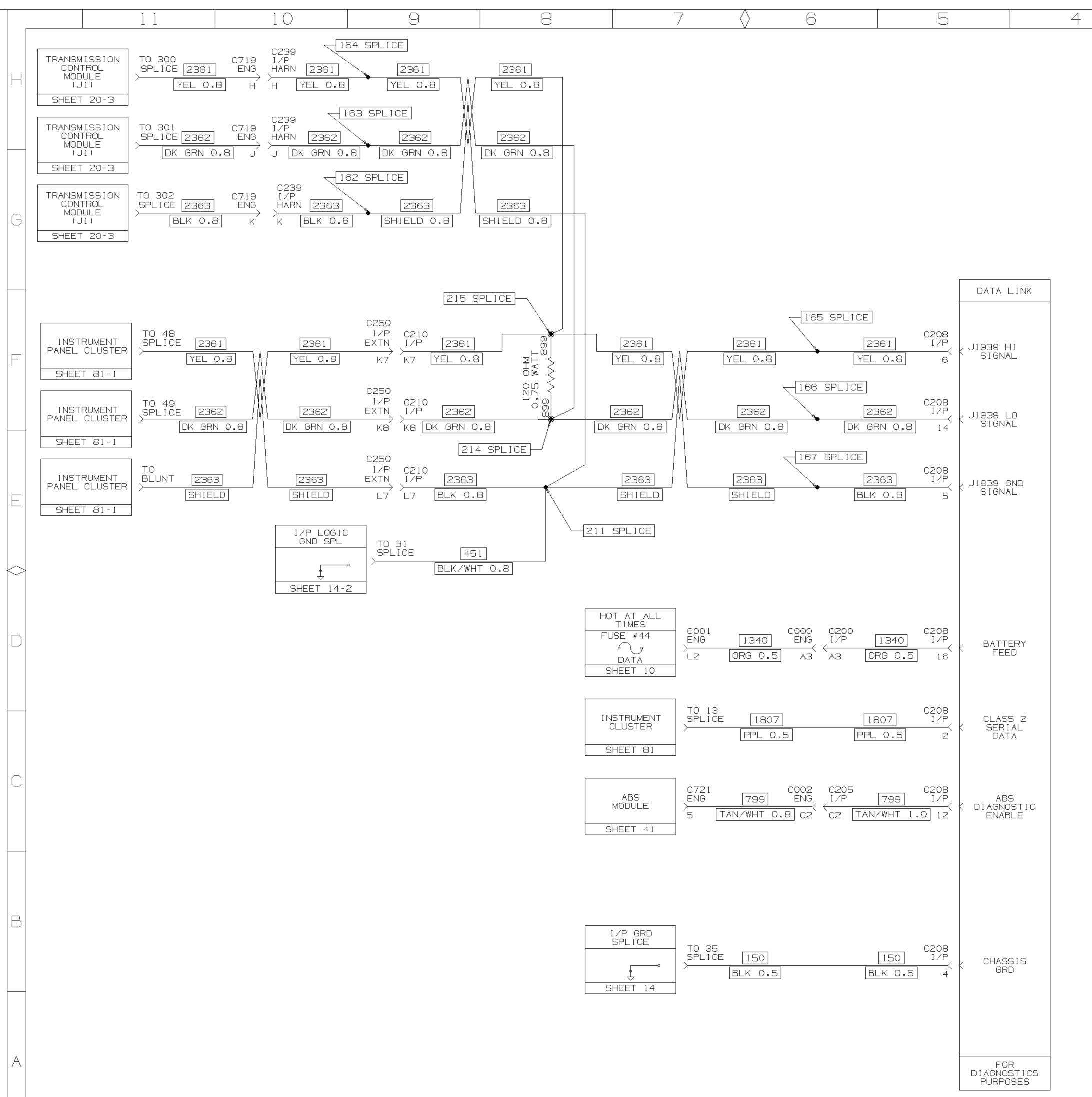
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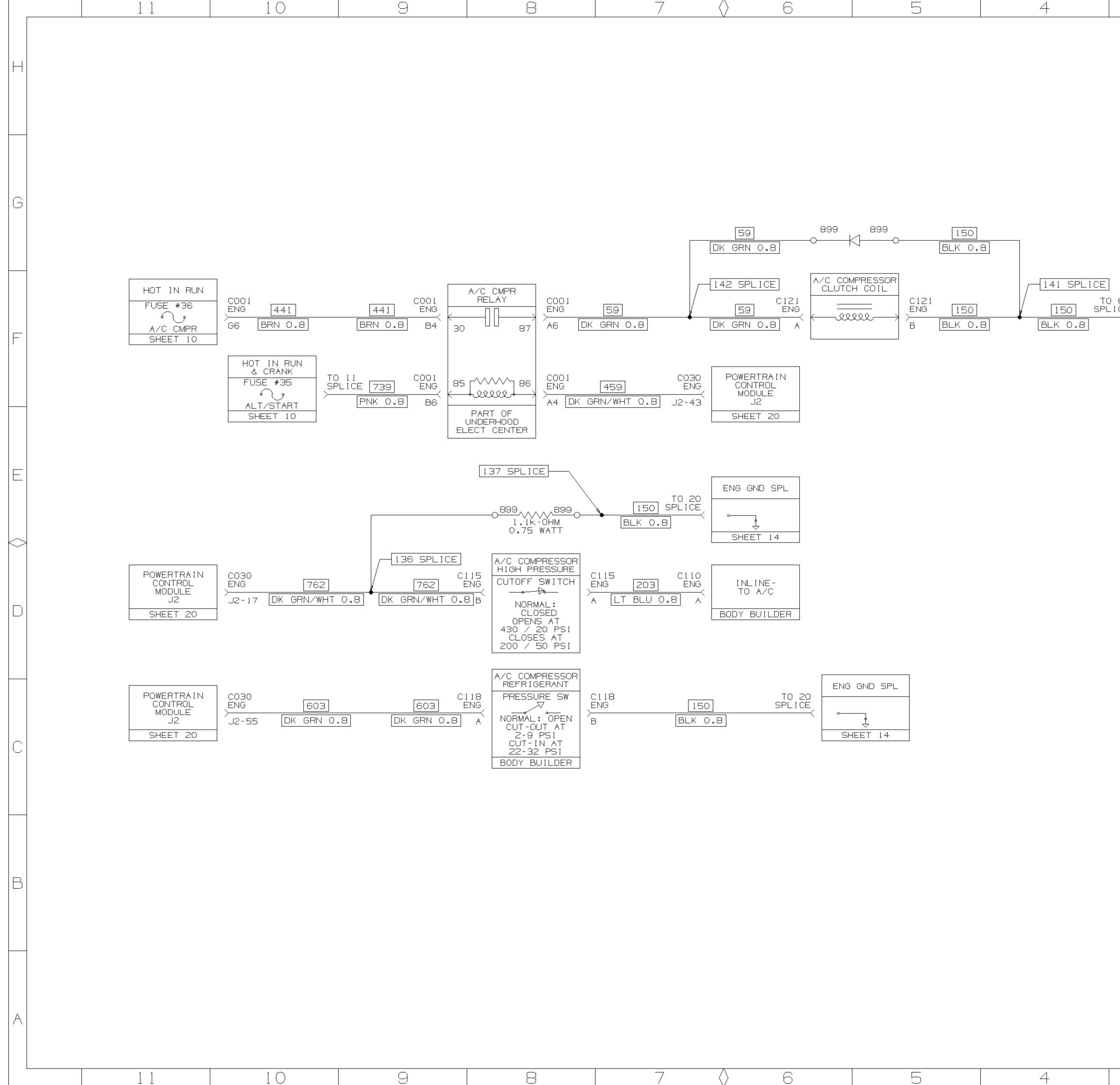
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CUSTOM CHASSIS WORKHORSE

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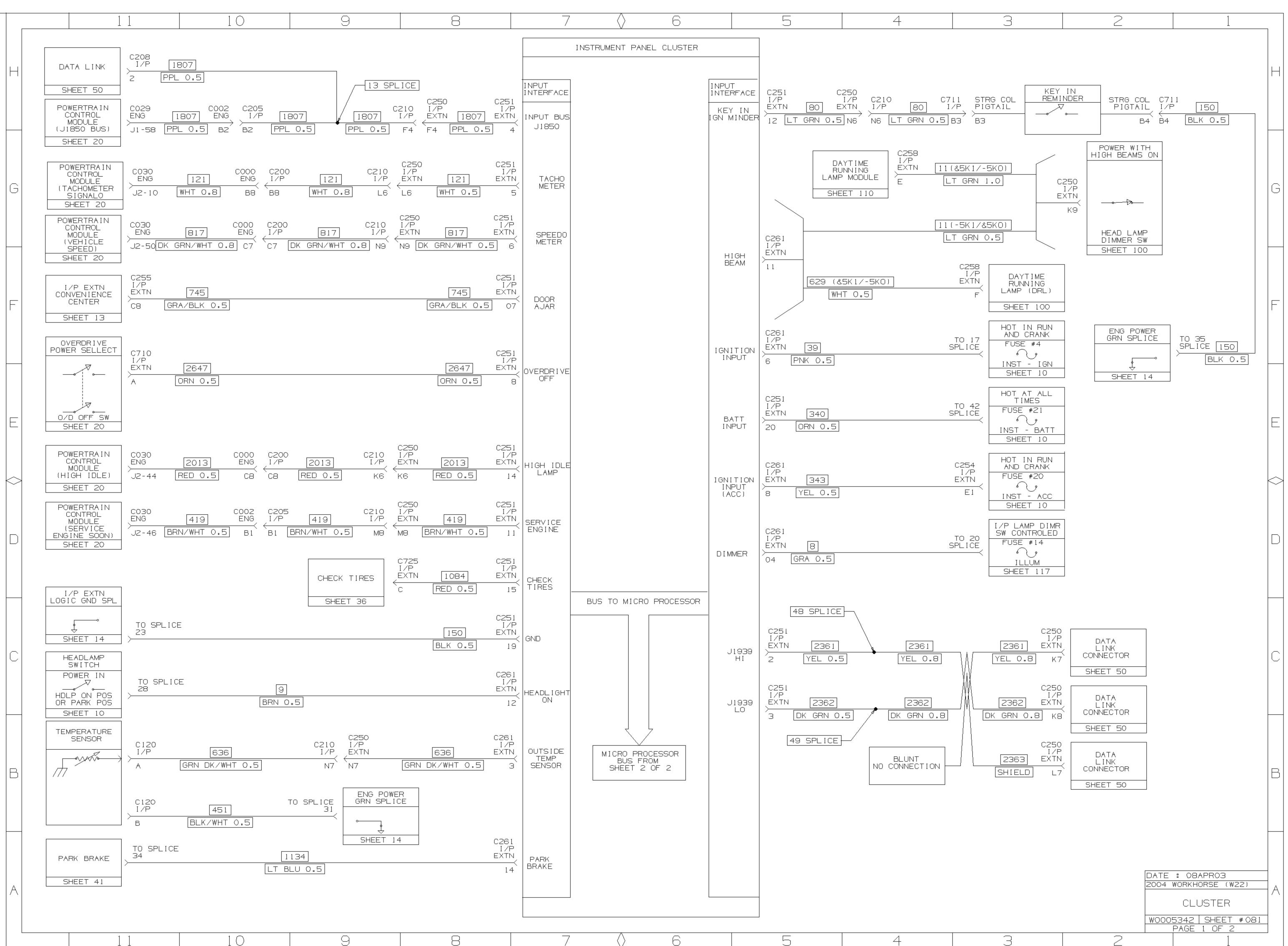


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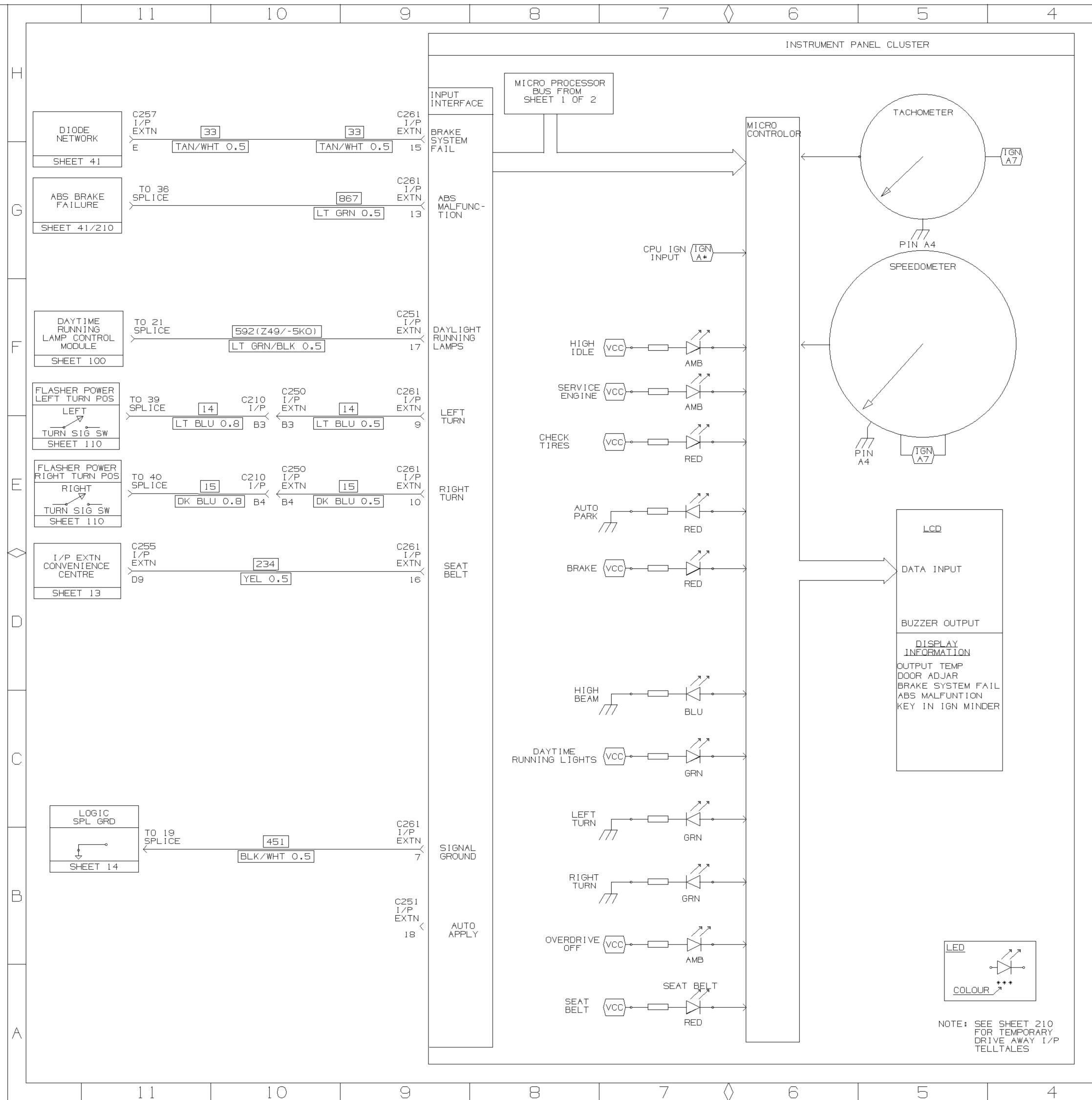
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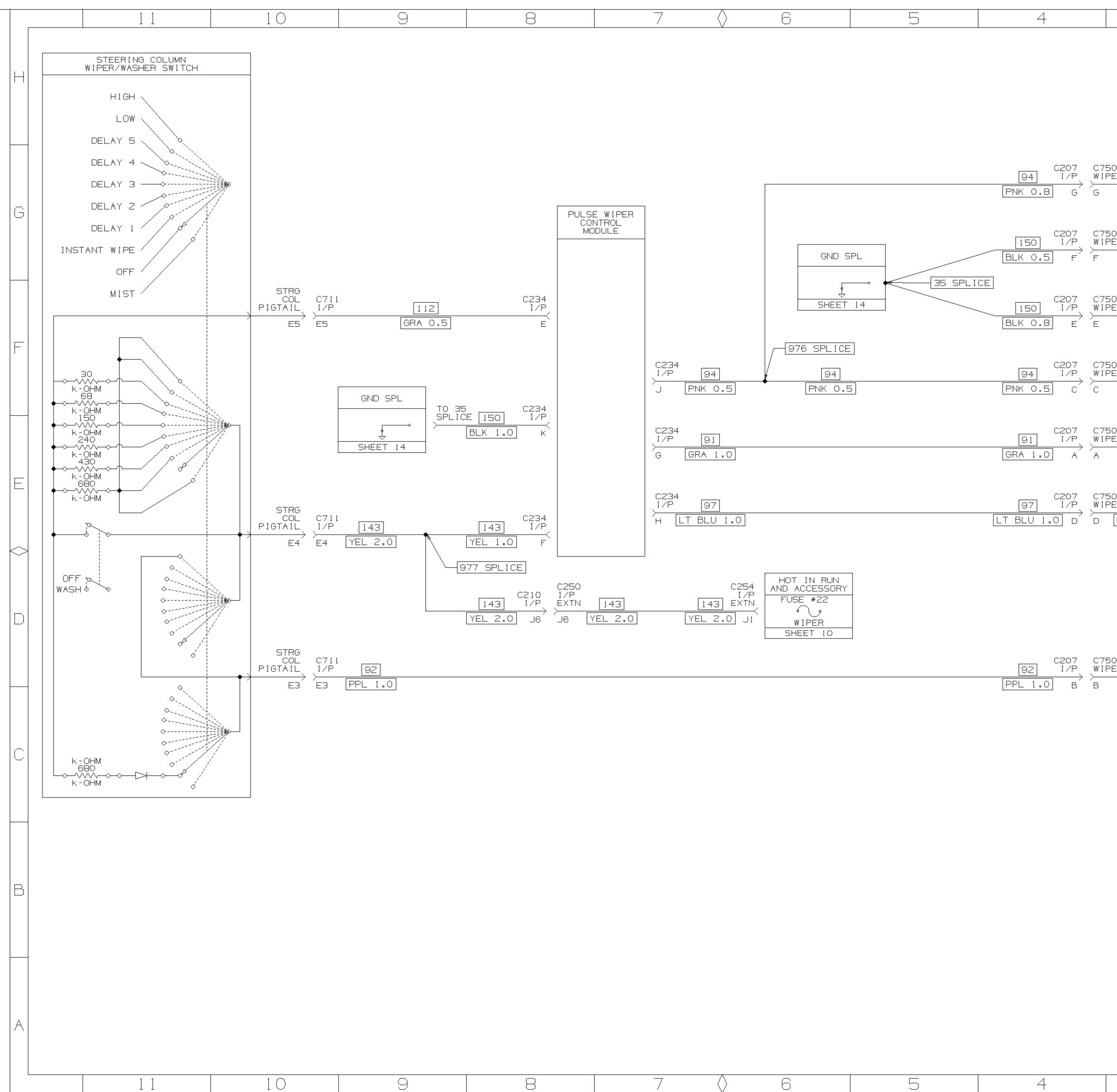
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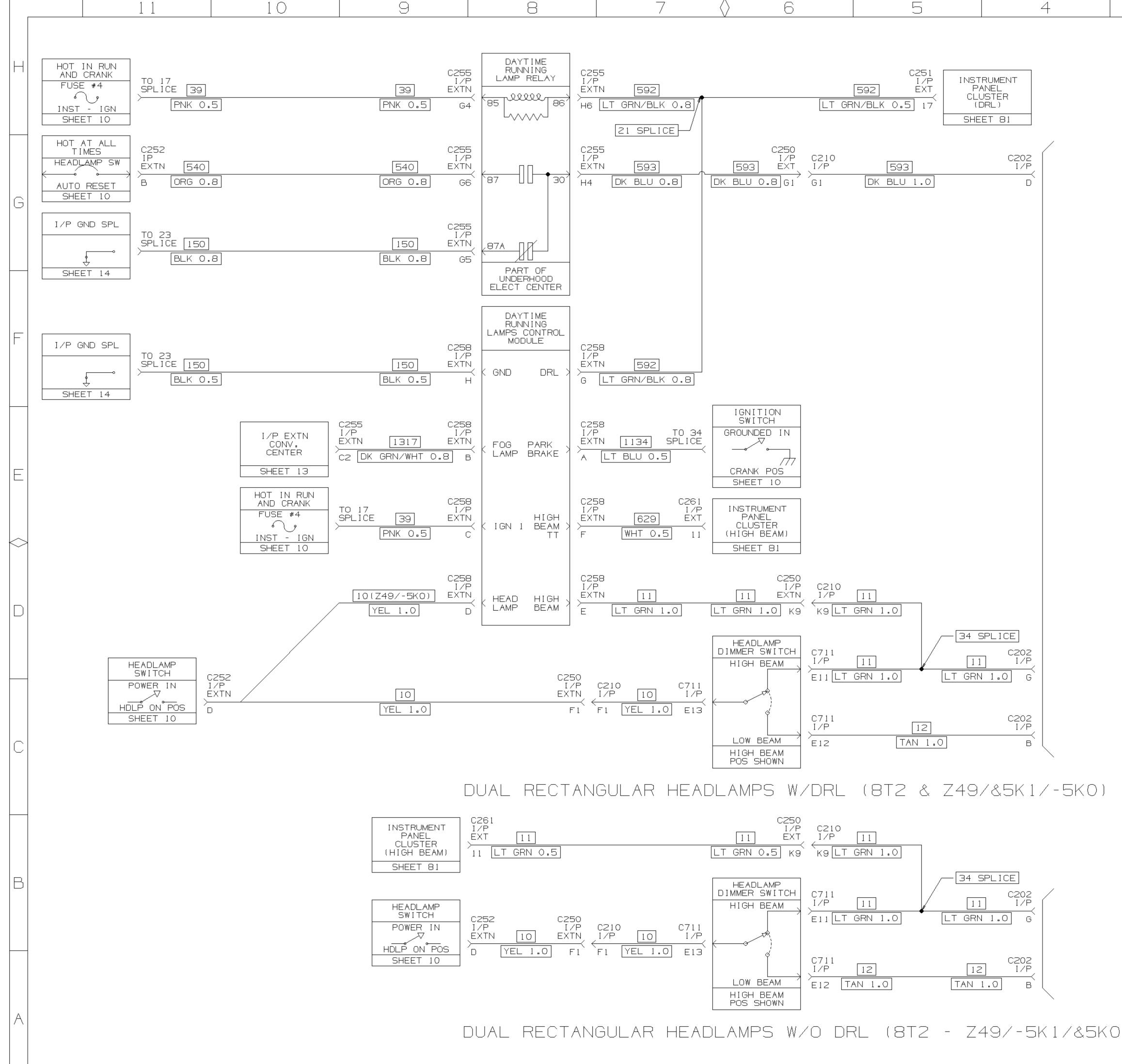
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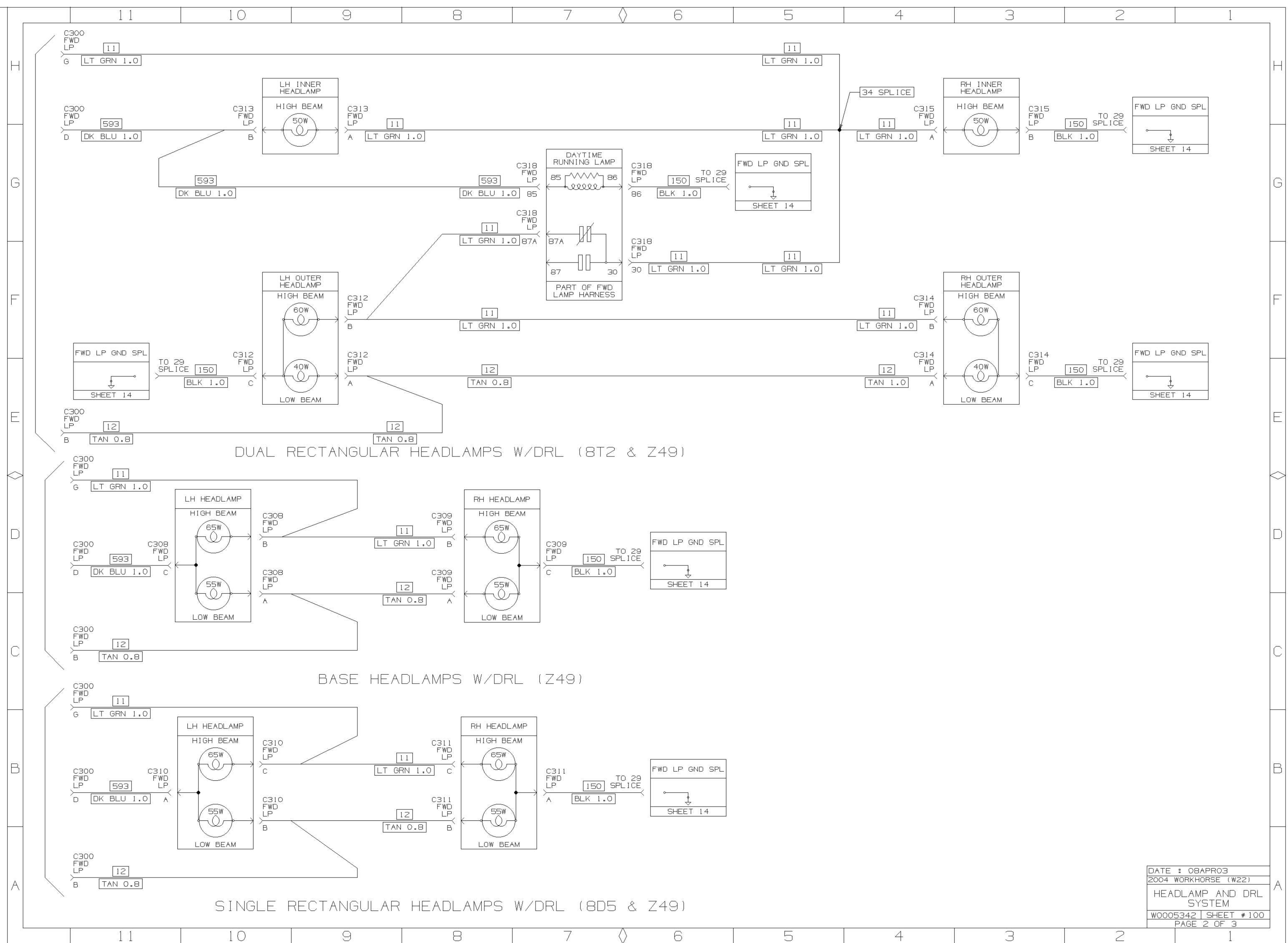
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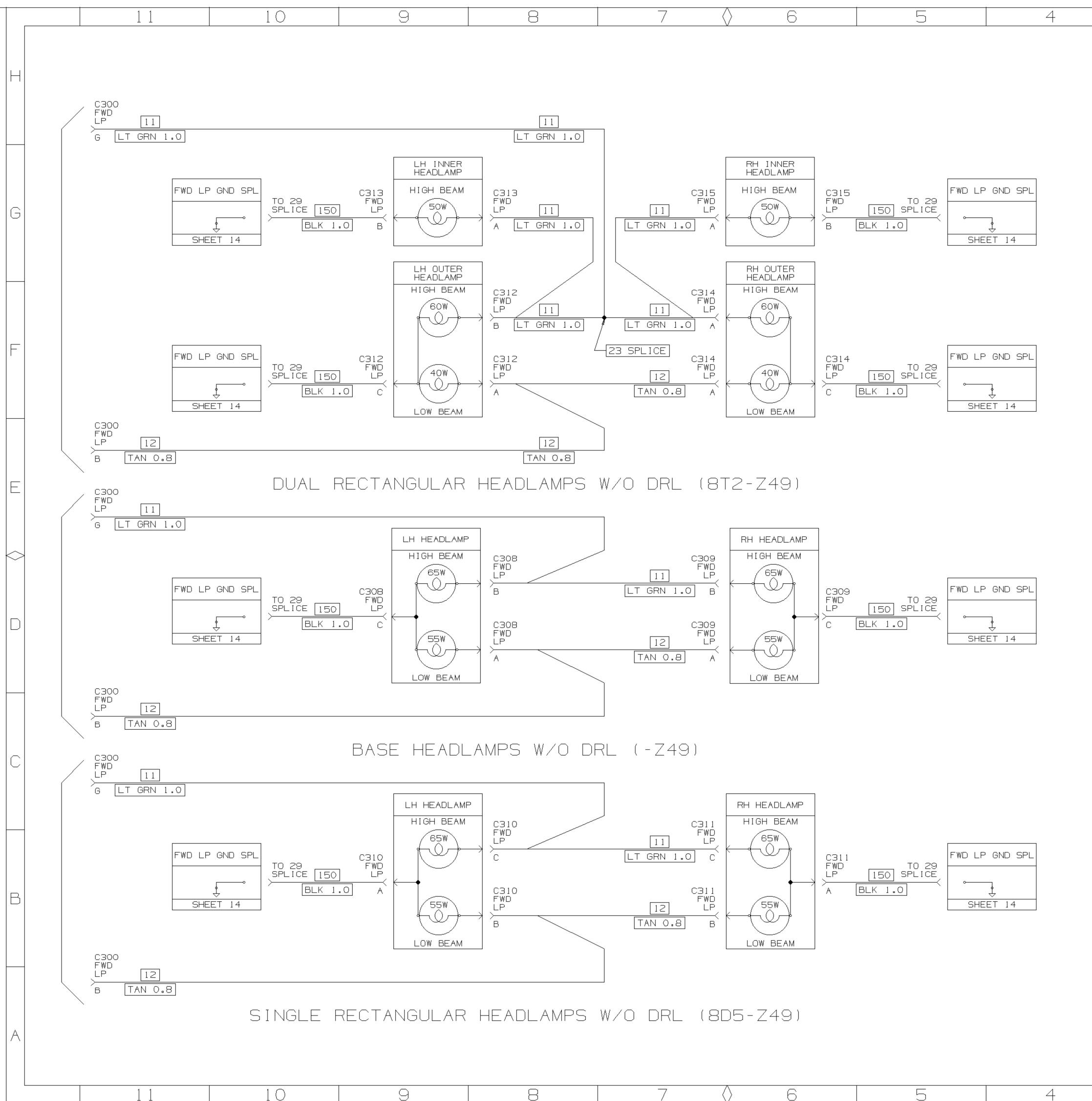
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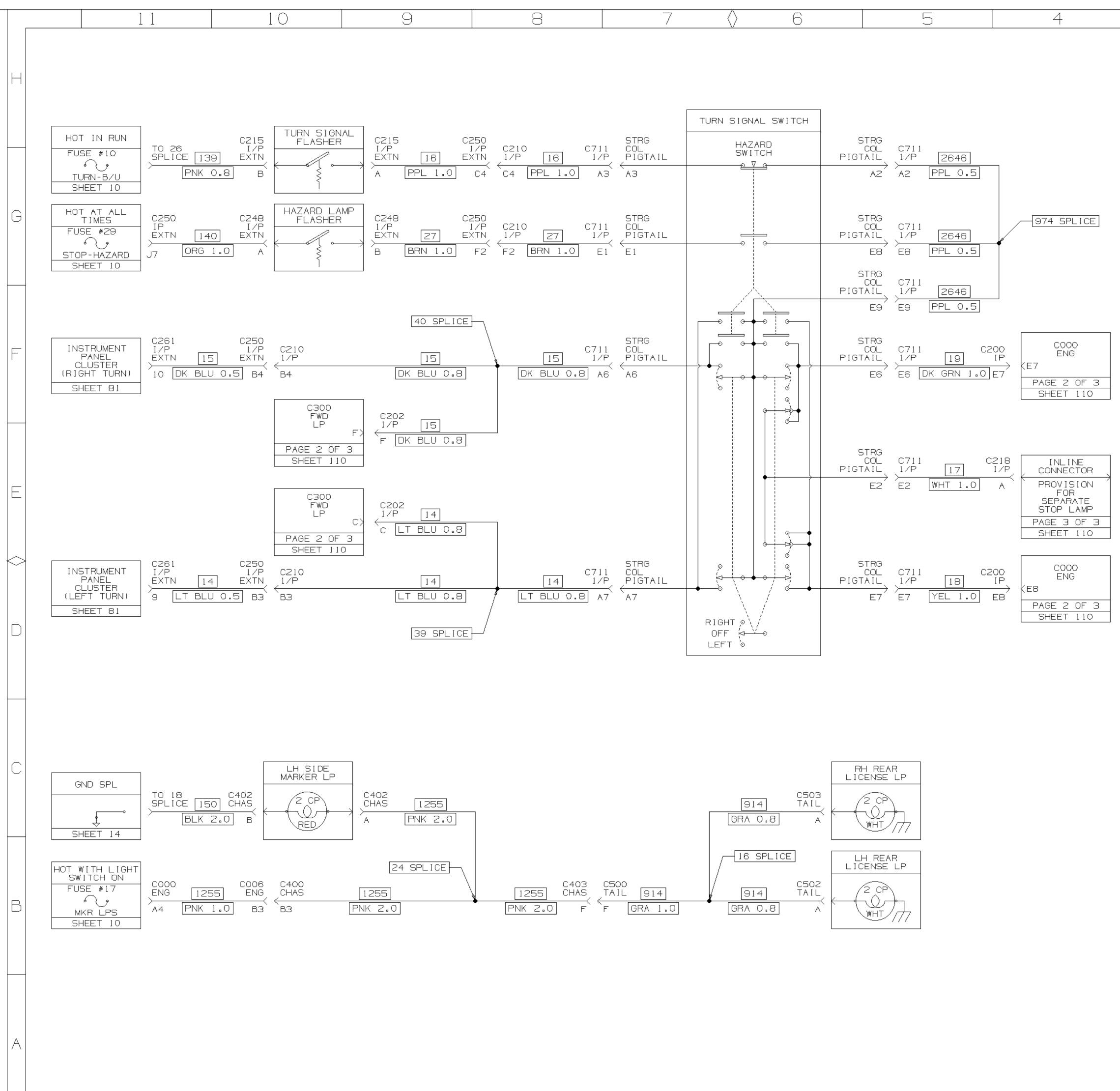


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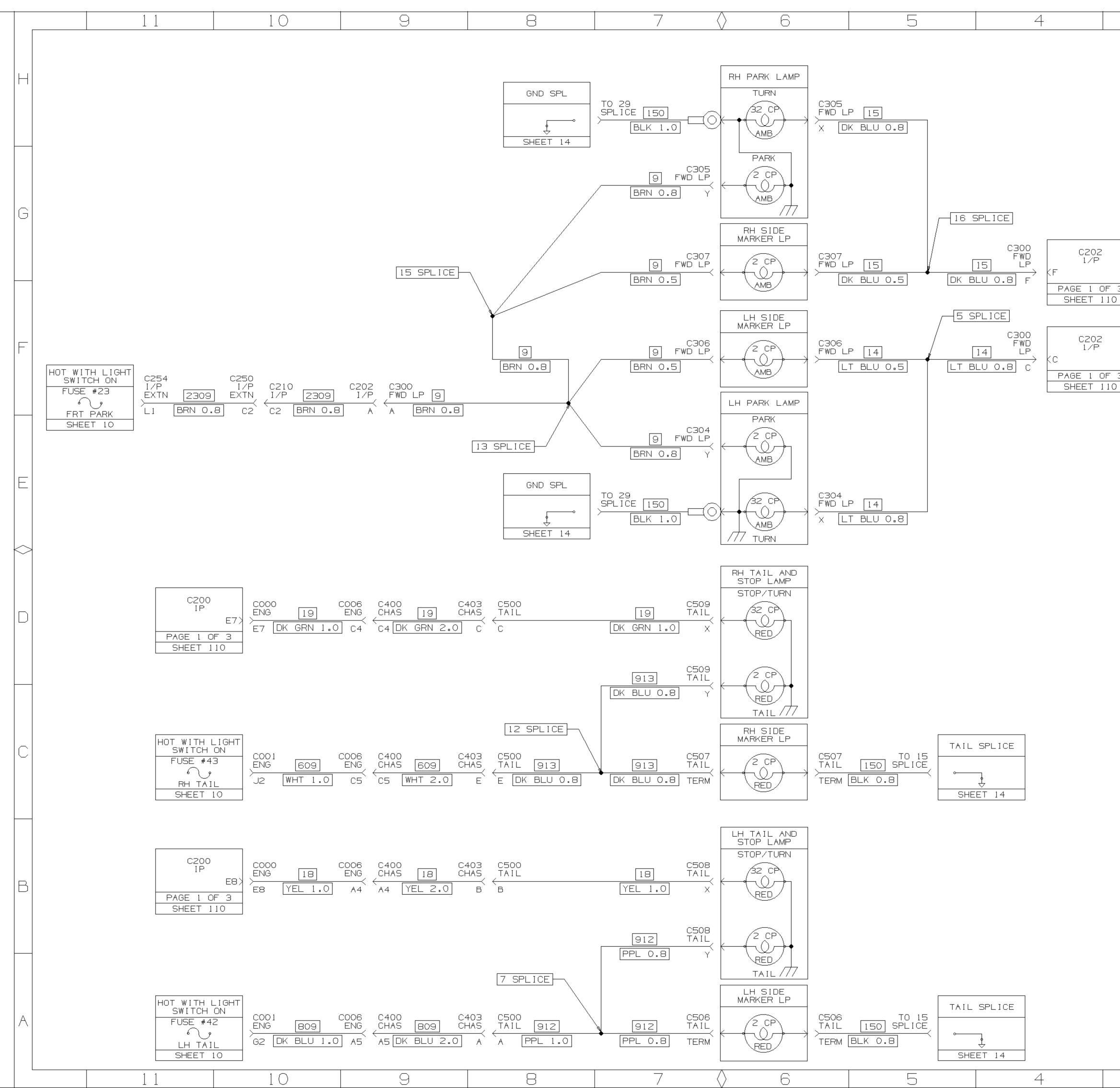
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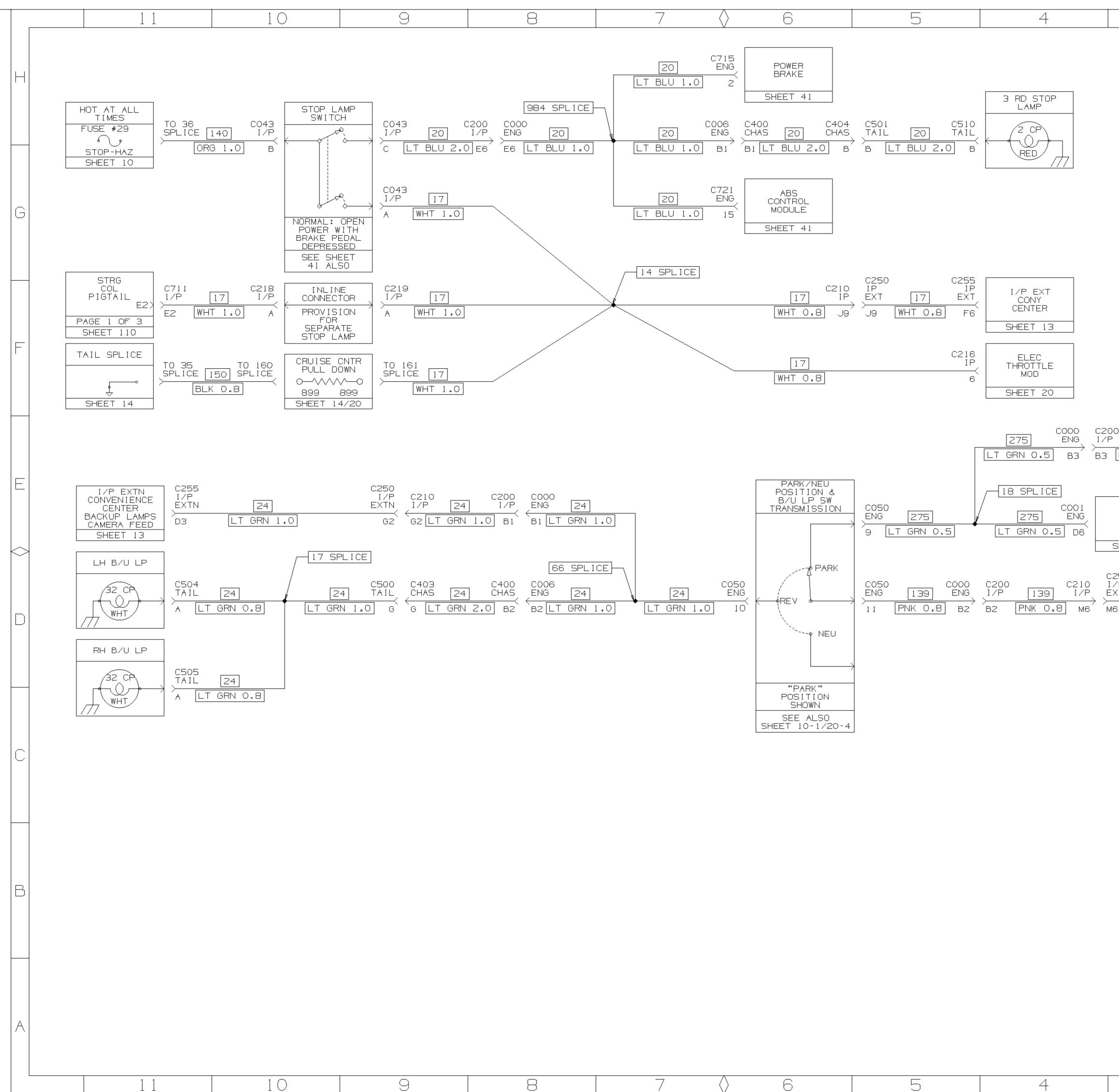
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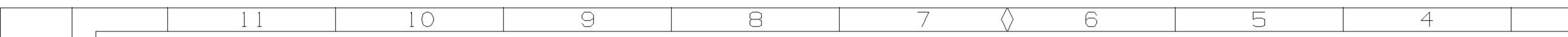


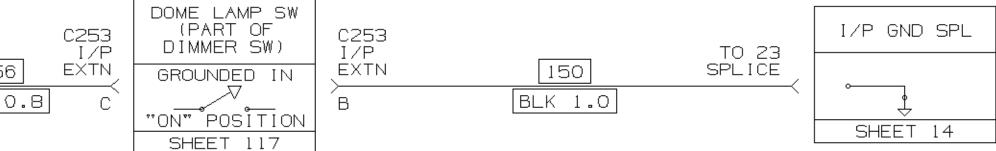
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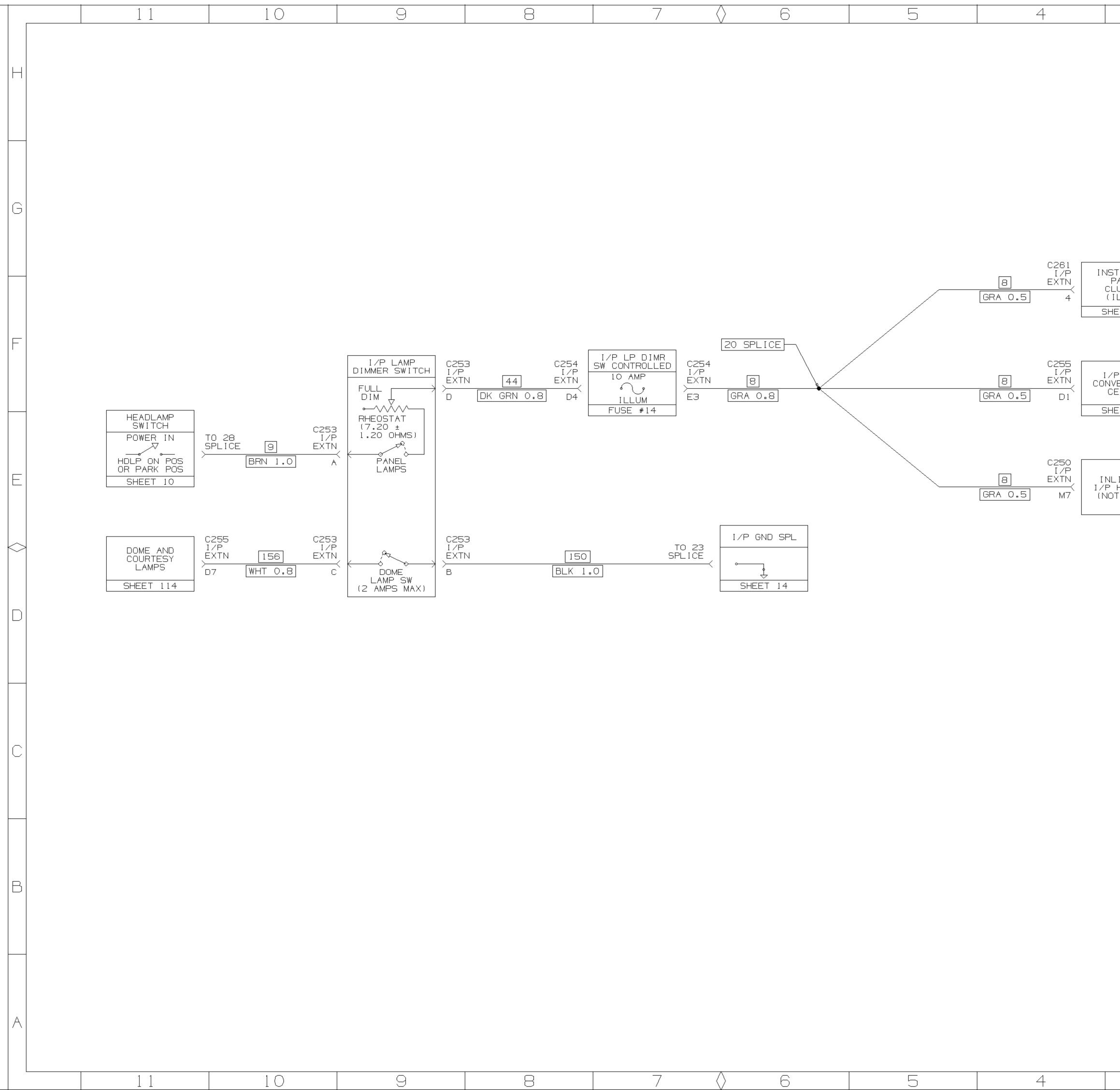
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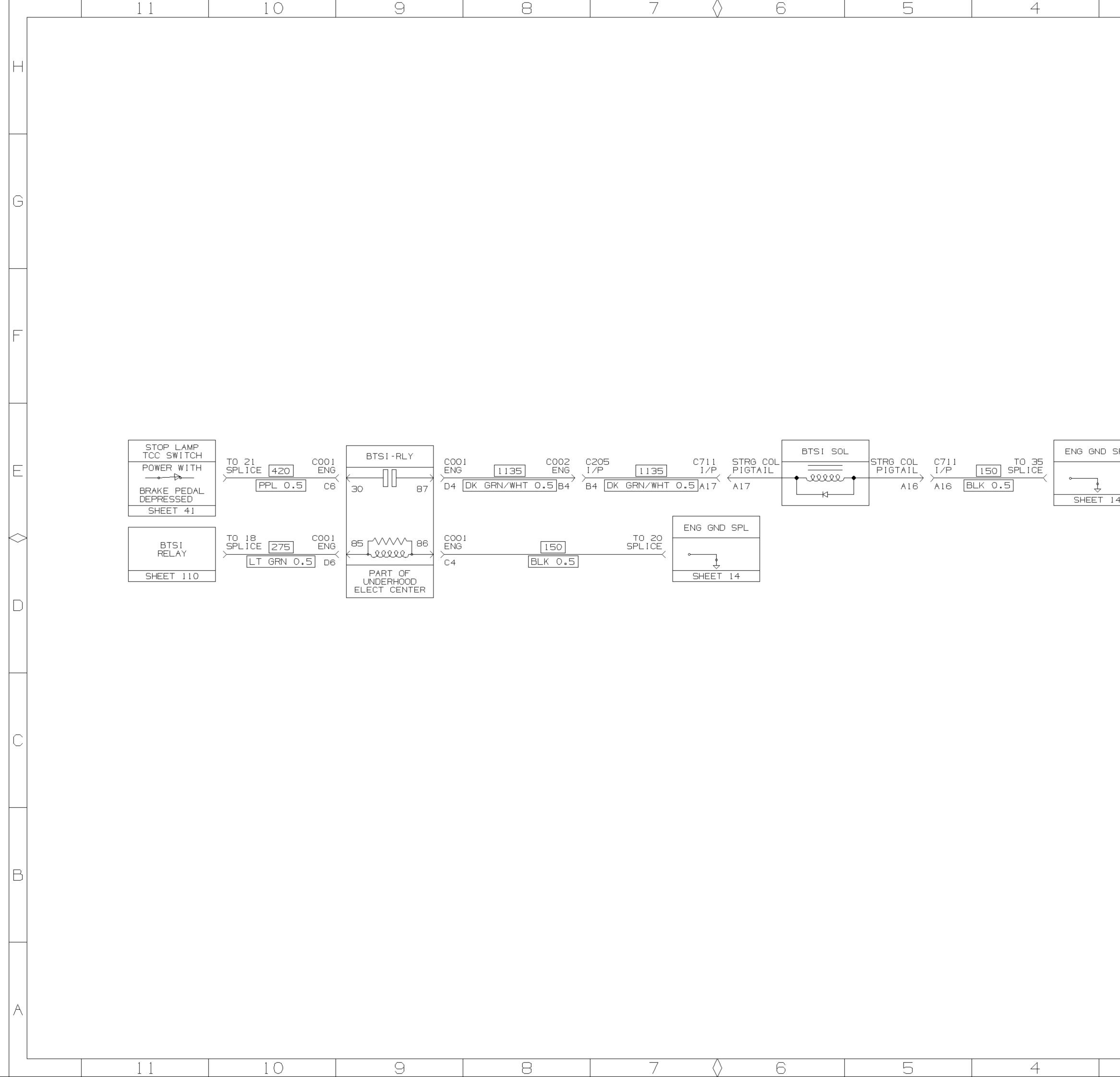
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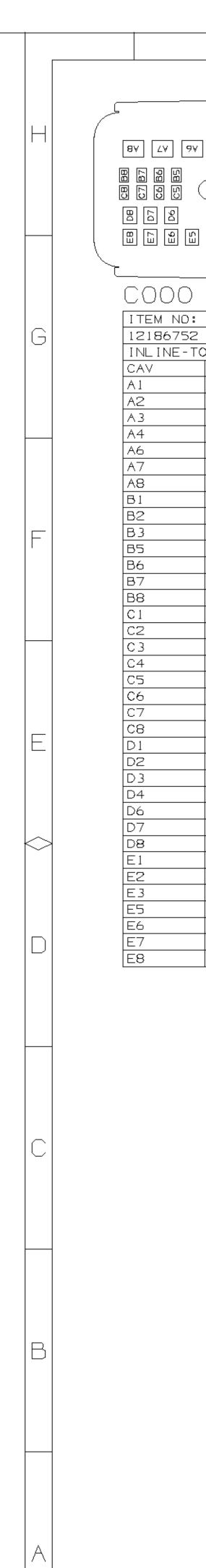


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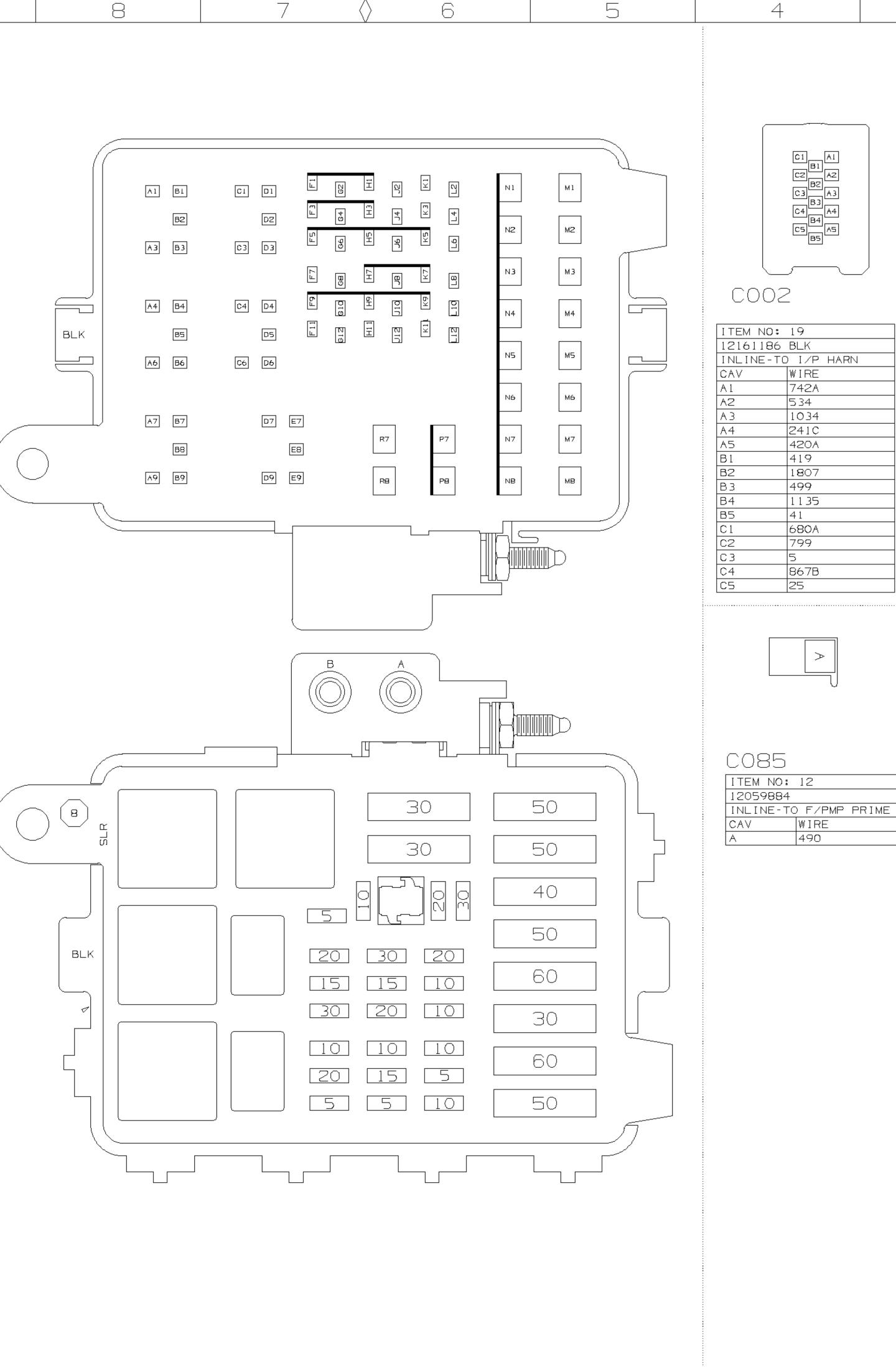
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275A	D2	
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1589A	D4	
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CAV	WIRE
A1	150M
AЗ	1200
A4	459
A6	59A
A7	447
A9 B1	242B 1039
B2	490
B3	465
B4	441
B5	
B6	7 39B
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вв В9	1737
C1	1450
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E7	702
E8 F9	140A
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F7 F9	642
F9 F11	742B
G2	809
G4	1039
G6	441
GB	1640
G10 G12	239A 440A
H1	
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HS	300
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<u>J4</u>	839
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L8	7 39A
L10	439A
	140B
M1	7420
M2 M3	1042 542
M3 M4	442
M5	342
М6	242A
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W0005342 SHEET #202 PAGE 1 OF 3

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	34	776A	88	34	428	<u> </u>
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	37 38	846	88	38	30	
>	39	447		39	631	
	40	451B		40	451E	
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WORKHORSE CUSTOM CHASSIS

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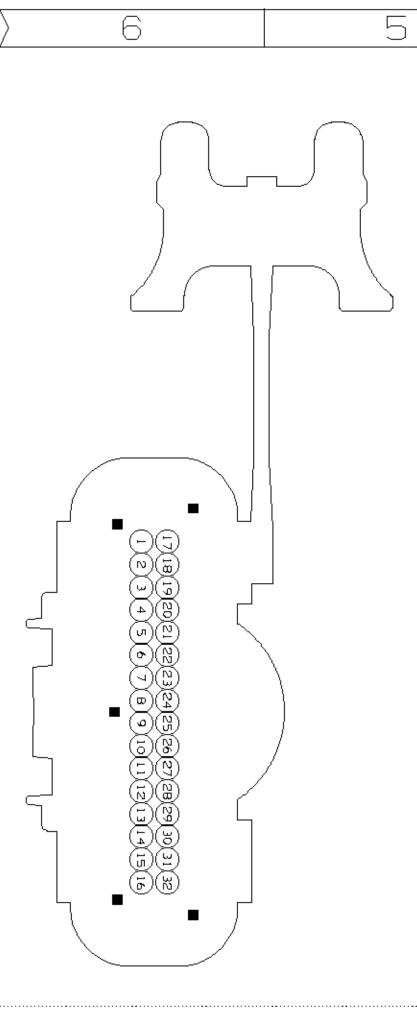
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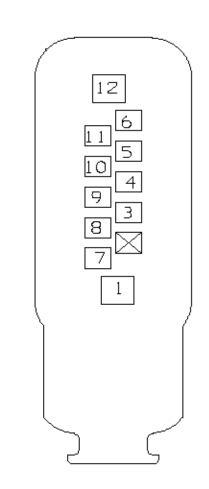
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ITEM NO:	4
15305371	NAT
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CAV	WIRE
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3	440E
4	439E
5	451L
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7	420E
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9	2467
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12	2648
13	1905
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16 17	464
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27	400
28	2649
29	2361B
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31	2363B
32	2362B



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CO 36	
ITEM NO:	53
12065425	BLK
INJR-FUE	_
CAV	WIRE
Α	1744
В	878
С	844
A B C D E F	1746
E	846
F	845
G	877
Н	1745
J	339C
К	2390

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## C050

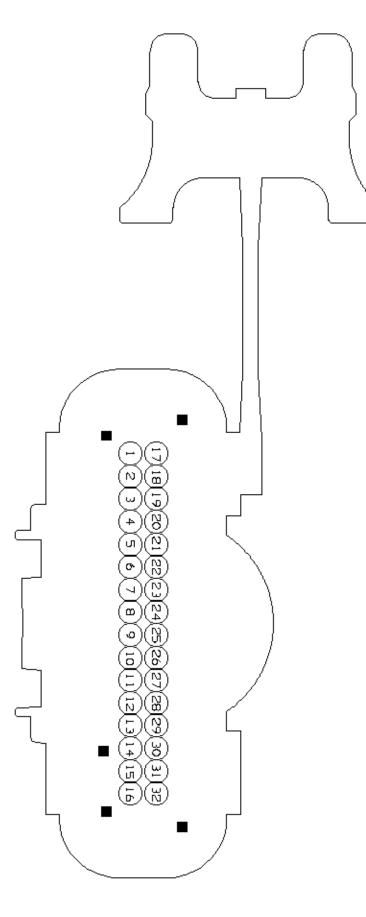
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ITEM NO:	71
15416722	GRA MD
SW-PARK/NE	W POSN & B/U LP
CAV	WIRE
1	1737
L.	15305171
4	7720
5	771C
6 7	773C
7	150S
8	776C
9	2750
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### C032

ITEM NO:	5
15305371	NAT
MDL - TRANS	5 CONT -J2
CAV	WIRE
1	1224
2	1225
3	1226
4	2529
5	7718
6	772B
7	773B
1 2 3 4 5 6 7 8 9	7768
10	1227
11	
12	
13	1983BA
11 12 13 14 15	1984BA
15	821HF
16	822HF
17	1230BY
18	1231BY
19	
20	407
21	2471
22	1229
	1228
24	1526
25	1526 1992
26	1222 1223 2527
27	1223
28	2527
29	418
30	2548
23 24 25 26 27 28 29 30 31 32	
32	

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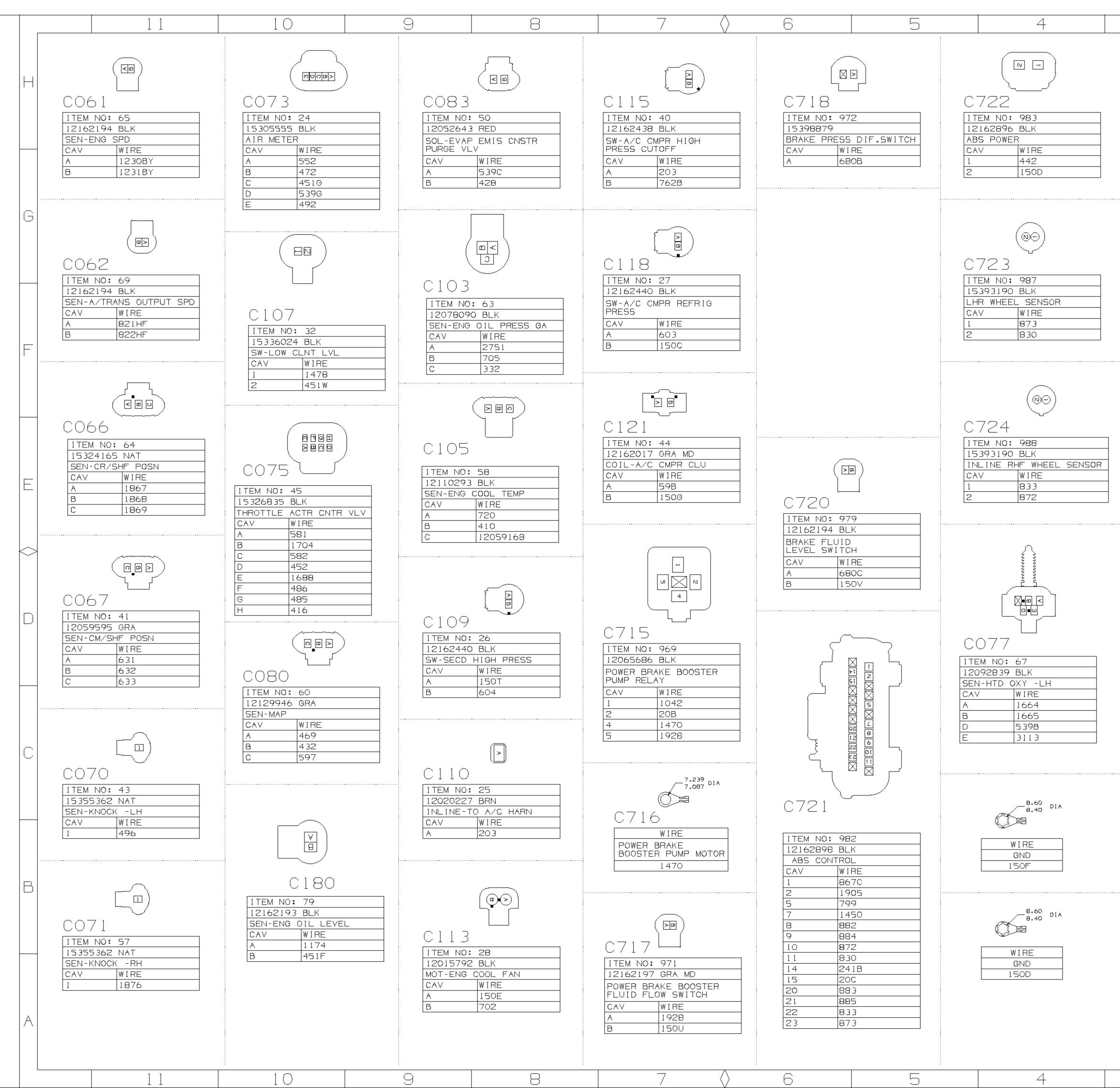
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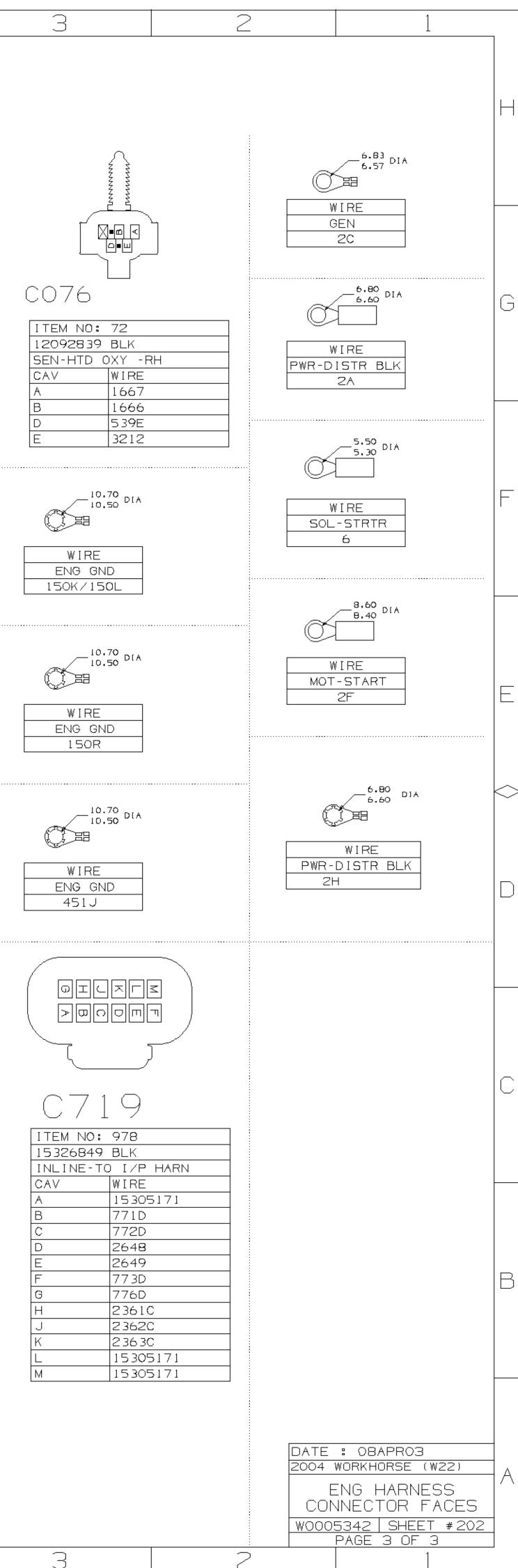
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	}				Н
E DE CO56 ITEM NO: 54 I2047938 GRA LT INLINE-TO COIL HARN CAV WIRE A 150L B 2127 C 2125 E 2129	N-LH				G
F 2123 G 2121 H 339B		12160280 INLINE-TO CAV A B			F
CO57 ITEM NO: 59 12047938 GRA LT INLINE-TO COIL HARN CAV WIRE A 150K B 2122 C 2124 E 2130 F 2126 G 2128 H 239B	<u>V-RH</u>	F G H J K L M N P R S	1225 1227 407 418 2529 1229 1229 1228 1526 1992 2548 4396 2471 12129557		E
C058		V	<u>12129557</u> 2527		D
ITEM NO: 68 12162194 BLK SEN-SPD TURBINE CAV WIRE A 1983BA B 1984BA					
					В
		2004 W EN CON W0005:	OBAPROS DRKHORSE NG HARN NECTOR 342 SHEE AGE 2 OF	(W22) ESS FACES ET #202	Α

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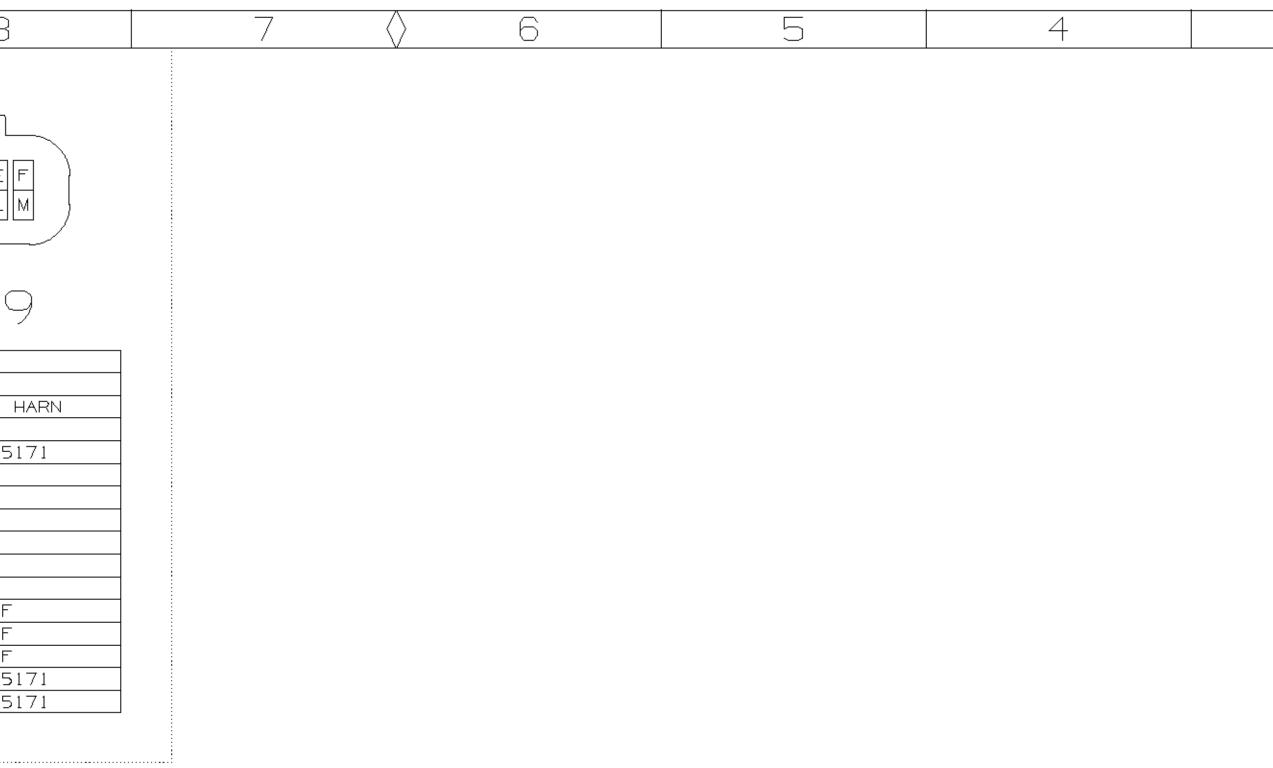


S ASSI Ц **USTOM** HORSE WORKH



11 10	9 8	7	6	5 4	3	2 1
H CO43 ITEM NO: 27 12033699 BLK SW-S/LP CAV WIRE A 17C B 140B C 20	C202 ITEM NO: 2 12059472 BLK INLINE-TO FWD LP HARN	C208 ITEM NO: 26 12110250 BLK DATA LINK CAV WIRE 1 2 1807B 3 4 150E 5 2363E 6 2361E		C212 ITEM NO: 42 15326842 BLK MDL-THROT POSN SEN INTERFACE	C218 ITEM NO: 24	
G	CAV       WIRE         A       2309         B       12         C       14B         D       593         E       29         F       15B         G       11B	7 8 9 10 11 12 799 13 14 2362E		CAVWIREA15305171B15305171C15305171D1164E1161F15305171G1274	I TEM NO. 24 12065172 BLK INLINE-TO BODY BUILDER HARN CAV WIRE A 17F	G
				H 1162 J 1272 K 1271	C219	
$F \begin{bmatrix} D \\ D$	C 2 0 5	C210 ITEM NO: 6 15394027 BLK INLINE-TO I/P EXTN HARN CAV WIRE A1 3B A2 142 A3 28 A4			ITEM NO: 23 12065171 BLK INLINE-TO BODY BUILDER HARN CAV WIRE A 17E	F
	ITEM NO: 1         12161187 BLK         INLINE-TO ENG HARN         CAV         WIRE         A1         742         A2         534         A3         1034         A4	B1542B2150AB314CB415CC11589C22309C3534C416				E
	A5       420         B1       419         B2       1807A         B3       499         B4       1135         B5       41	D12759D2867D32648E1275E21034	$A1 \qquad B1 \qquad C1 \qquad D1 \qquad E1 \qquad F1 \qquad G1 \\ C2 \qquad D2 \qquad E2 \qquad F2 \qquad G2$	C216 ITEM NO: 38 12191065 NAT MDL-ELEK THROT ACTR CONT		
C200 ITEM NO: 5 12146331 GRA LT INLINE-TO ENG HARN CAV WIRE A1 120 A2 9 A3 1340 A4 1255 A6 42 A7 142	B5 41 C1 680 C2 799 C3 5 C4 867 C5 25	E3       2649         E4       680         F1       10         F2       27         F3       25         F4       18070         G1       593         G2       24         G3       29         G4       773         G5       776         H6       42	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	CAV       WIRE         1       485         2       416         3       452         4       84         5       87         6       17A         7       839         8       582         9       1688         10       1704         11       486		
A8       242         B1       24         B2       1 39         B3       275         B5       2759         B6       1589         B7       30	C207 ITEM NO: 3 12052200 BLK MOT-WSW	H74H8300BH9771J6143AJ7140AJ830J917BK62013		12     1061       13     774       14     397       15     451A       16     581		C
B8       121         C1       416         C2       1688         C3       452         C4       1704         C5       1061         C6       774	CAV       WIRE         A       91         B       92         C       94B         D       97         E       150H	K7     2361B       K8     2362B       K9     11C       L6     121       L7     2363B       L8     772       M6     139				
B C7 817 C8 2013 D1 485 D2 486 D3 581 D4 582 D6 839	F 150I G 94C	M7 M8 419 M9 499 N6 80 N7 636 N8 451C		C217 ITEM NO: 37 12065425 BLK MDL-ELEK THROT ACTR CONT CAV WIRE		B
D7     451E       D8     140C       E1     3A       E2     300A       E3     342		N9         817           P6         742           P7         120           P8         1255           P9         9		A         12059168           B         1274           C         1162           D         1272           E         12059168		
A E3 342 E5 542 E6 20 E7 19 E8 18		P10  1134		F     1161       G     1164       H     12059168       J     1271       K     12059168		DATE : OBAPRO3 2004 WORKHORSE (W22) I/P HARNESS CONNECTOR FACES W0005342 SHEET #203
11 10	9 8	7	6	5 4	3	PAGE 1 OF 2

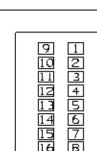
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H			ABCDEF GHJKLM				
	$\begin{bmatrix} V \\ V $	CZ34 ITEM NO: 966 12065425 BLK SW-WSW CAV WIRE A 12059168 B 12059168	CZ39 ITEM NO: 967 15326854 BLK INLINE-TO ENG HARN				
G	VIO     EB       VII     EI       VII     B+ C+ D+       VII     B+ C+ D+       VII     B- C+       VII     B- C+	C 12059168 D 12059168 E 112 F 143C G 91 H 97 J 94A K 150F	CAV       WIRE         A       15305171         B       771         C       772         D       2648         E       2649         F       773         G       776				
F	C711 ITEM NO: 965 12077822 BLK INLINE-TO STRG COL		Н 2361F J 2362F К 2363F L 15305171 М 15305171				
	HARN         CAV       WIRE         A1						
E	A7       14A         A8						
D	A1587A16150GA171135B1B2150DB380B4150MB51134	┣ Ă C 7 1 4					
	B6       C1         C2       150C         C3       C4         C5       3C         C6       300C         D1       5	ITEM NO: 968 12015197 BLU SW-S/LP, TCC CAV WIRE A 241 B 420					
С	D2       342         D3	7.239 6.985 DIA CIE					
B	E392E4143BE5112E619E718E82646BE92646CE1011AE1212E1310	C120					
		ITEM NO: 7 15326801 BLK INLINE TO OUTSIDE TEMP SENSO CAV WIRE A 636 B 451F					
	1 1	10	9 8	7	6	5	4

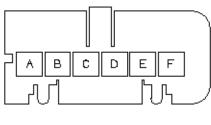


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3	2004 [ CON [ W000	: OBAPRO3 WORKHORSE (W22) I/P HARNESS NECTOR FACES 5342 SHEET #203 PAGE 2 OF 2 1

	1 1	10	)	9	8		7
	C215 ITEM NO: 14 02973385 BLK FLSHR-T/SIG LP		DI EJ LJ GJ DS ES LS GS D3 E3 LS G3 E4 L3 G4 C4 C4 C4 C4 C4 C4 C4 C4 C4 C4 C4 C4 C4 C4 C4 C4		C2 ITEM NO 1534066 CSTR-IN	D: 12 58 BLK	
G	CAV         WIRE           A         16           B         139C		6d 6N 6W 8N 6W 8N 6W 6D 6W 6D 6W 6D 6D 6D 6W 6D		CAV 1 2 3 4 5 6	WIRE 636 8B 39B	WIRE 636 88 39B
		C25			7 8 9 10 11 12	451A 343 14 15 11 9F	451A 343 14 15 629 9F
F	C248 ITEM NO: 5 02973385 BLK FLSHR-HAZARD LP CAV WIRE A 140	121867	31 GRA MD -TO I/P HARN WIRE 3A 142C 28	WIRE 3A 1420 28	13 14 15 16 SYMBOL	867C 1134E 33 234 1	867C 1134E 33 234 2
	B 27	B1 B2	542 150A 14 15 2309 534	542 150A 14 15 2309 534			
E		C4 D1 D2 D3 E1 E2	16 867A 2648 275	16 867A 2648 275	C251 ITEM NO 10723742 CSTR-INS	1 : 1 2 BLK ST 1	
		E3 E4 F1 F2 F3 F4	2649 680 10 27 1807	2649 680 10A 27 1807	CAV 1 2 3 4 5 6	WIRE 2361B 2362B 1807 121 817	WIRE 2361B 2362B 1807 121 817
		G1 G2 G3 G4 G5 H6	24 29C 42A	593 24 29C	7 8 9 10 11 12	745 2647 419 80	745 2647 419 80
		H7 H8 H9 J6 J7 J8	4A 300 143 140	4A 300 143 140	13 14 15 16 17 18	2013 1084 451F	2013 1084 451F 5920
C		J9 K6 K7 K8 K9 L6	17 2013 2361A 2362A 11 121	17 2013 2361A 2362A 11A 121 2262A	19 20 SYMBOL	150M 340B 1	150M 340B 2
		L7 L8 M6 M7 M8 M9 N6	2363A 139A 8C 419 80	2363A 139A 8C 419 80			L L
B		N7 N8 N9 P6 P7 P8	636 451C 817 742 1255A	636 451C 817 742 1255A	- ITEM NO: 12020029 - SW-HDLP - CAV	16 NAT WIRE	WIRE
		P9 P10 SYMBOL	9B 1134A	9B 1134A 49) 2(-5K0 #&Z49)	E F	9E 42C 10 240	9E 540 42C 10A/10B 240
					SYMBOL	<u> </u> 1(35KU #-249)	) <u>3(-5K0 #&amp;Z49)</u>
	1 1	10	)	9	8		7

CUSTOM CHASSIS WORKHORSE







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C253

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ITEM NO:	7
12020030	NAT
SW-I/P LF	' DIMR
CAV	WIRE
А	9A
В	150B
С	156
D	44

#### C254

	I
ITEM NO:	11
12110746	
FUSE BLK	
CAV	WIRE
	40
A2 A3	
A 3	243
A6	142B
A6 A7 B2	1540
B2	
В4	142A
B6	
В8	
C1	1240
C 3	1140
C5	1040
	1040
C1 C3 C5 C7 D2	
	4E
D4	44
D6	
D <b>8</b>	742
E1	343
E3	8A
E5	
E7	640A
F2	142E
F4	3B
F6 F8	42B
F8	
G1	340A
G3	1239
G5	240
G7	40
H2	4B
H4	
H6	3C
	<u> </u>
H8	1.4.2
J1	143
	43
_J5	1 39B
J3 J5 J7 K2	39A
K2	90
K4	
K6	
К8 L1 L3 L5 L7	2309
	1255C
м2	
М4	300
М6	
м8	
N1	341
N3	
N5	141
N7	

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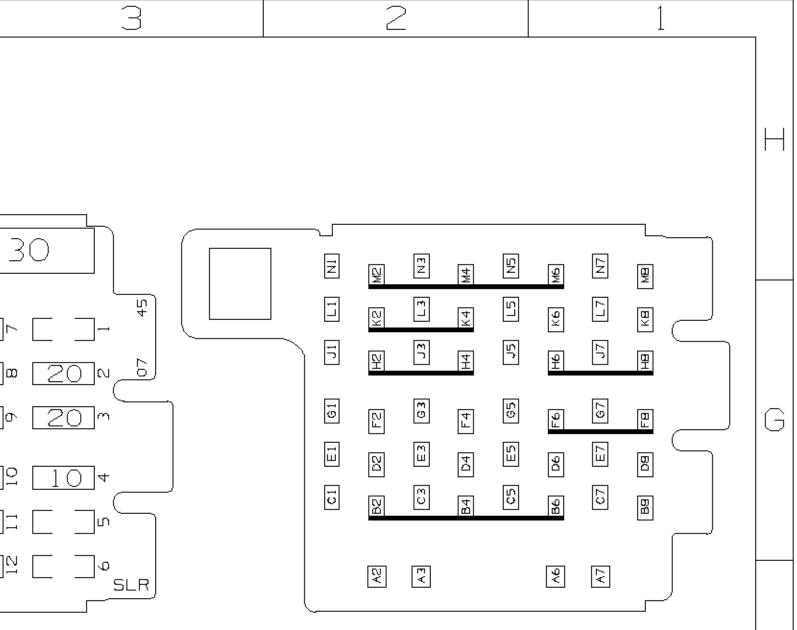
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ITEM NO.	11	
POSITION	RATING	FUSE FUNCTIONS
1		
2	20	HORN
3	20	CTSY
4	10	INST-IGN
5		
6		
7	20	AUX PWR
8		
9	20	PK LPS
10	15	TURN-B/U
11		
12	5	JACK ALARM
13	20	CIG LTR
14	10	ILLUM
15	10	THROT ADJ
16	15	RADIO-ACC
17	10	MKR LPS
18		
19	10	RADIO-BAT
20	5	INST-ACC
21	5	INST-BAT
22	25	WIPER
23	5	FRT PARK
24	5	STEP ALARM
A	30 C/B	PWR ACCY #1
В	30 C/B	PWR ACCY #2



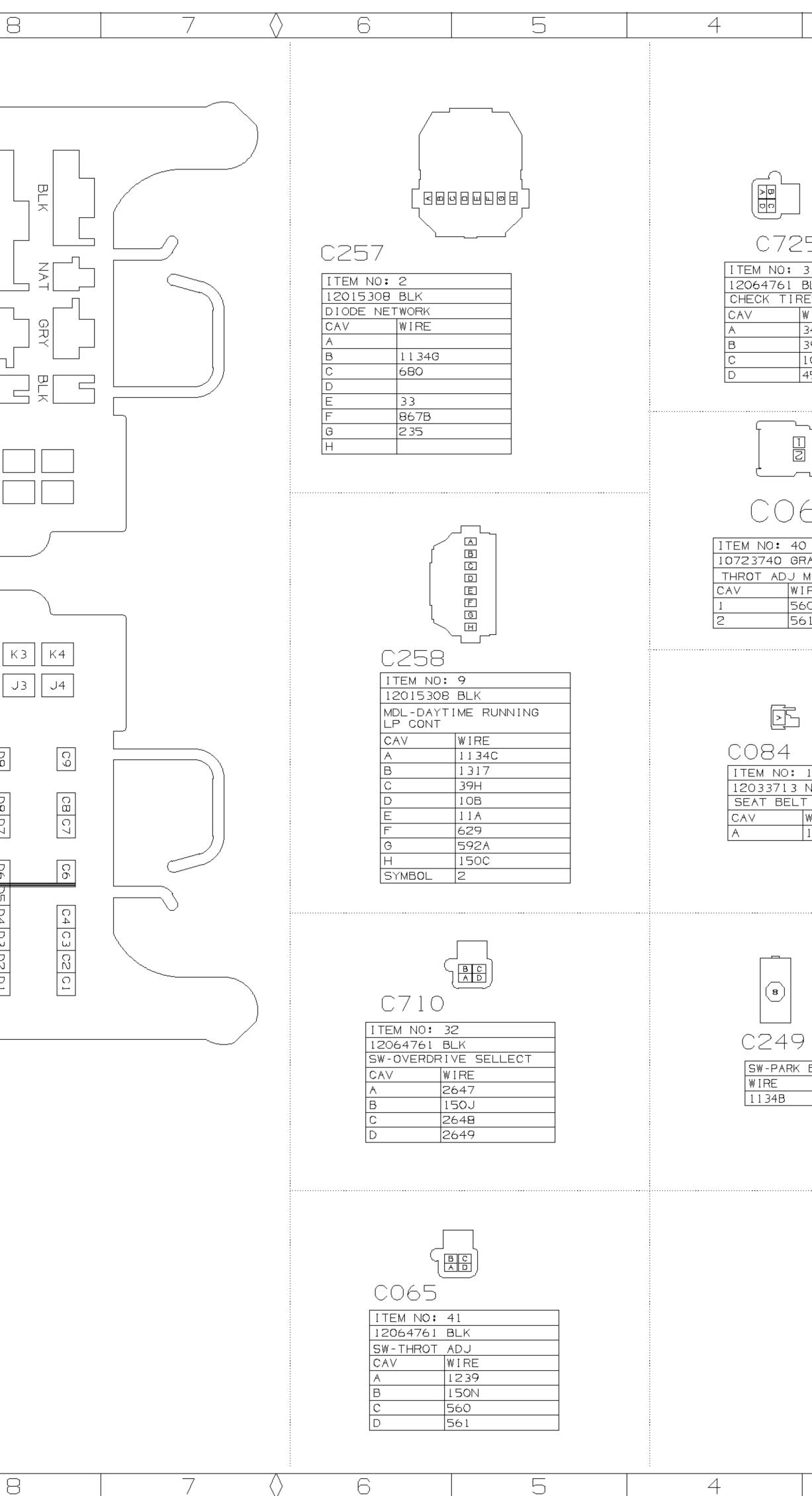
DATE : OBAPRO3	
2004 WORKHORSE (W22)	
I/P EXTN HARNESS	
CONNECTOR FACES	
W0005342 SHEET #204	
PAGE 1 OF 2	
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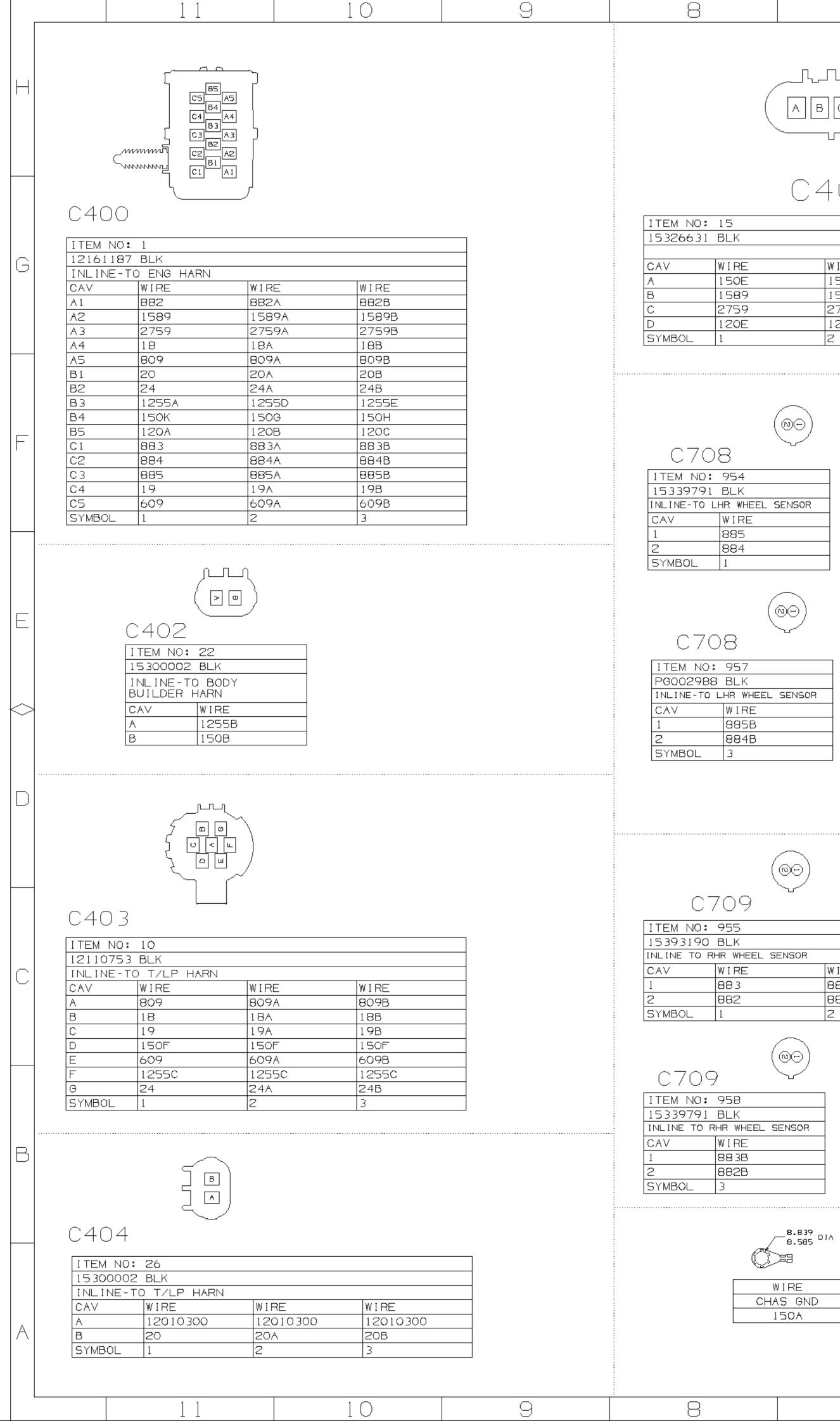
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			1 1		10		9	8
H		C255 Item no: 12146452 PWR DISTR	GRA MD R BLK					
		CAV A B C1 C2 C3	WIRE 542 534	WIRE 542 1317 534				
G	Ì	C4 C6 C7 C8 C9 D1	150H 341 745 275 8E	150H 341 745 275 8E				
		D2 D3 D4 D5 D6 D7 D8	1255B 24 235 29B 156 40	1255B 24 235 29B 156 40			BLK	
F		D9 E1 E2 E3 E4 E5 E6 F1	234 43 1240 1140 1040 1540 243	234 43 1240 1140 1040 1540 243		SL	3 .R	
E	_	F2 F3 F5 F6 G1 G2 G3	141 17 28 640B	141 17 28 640B				K1 K2 K3
$\diamond$	>	G4 G5 G6 G8 H1 H3 H4	29A 640C	39E 150E 540 29A 640C 593		Н9		J1 J2 J3
D	]	H6 H7 H8 H9 J1 J2 J3		592B		H8 G8 H7 H6 G6	۲ő	
		J4 K1 K2 K3 K4 SYMBOL	1(&5K0 #-Z49)	21-5K0 #&Z	[49]	G5 H4 G4 H3 G3	F3 F3 F2 F	5 04 03 02 E5 E4 E3 E2
C	× .					G2 H1 G1		
В	1							
A								
			1 1		10		9	8

CHASS I S CUSTOM WORKHORSE



3	 2		1	
5 33 3LK ES /IRE 340C 39C .084 451B				G
 				F
A LT MOTOR RE 0 1				E
18 NAT BYPASS WIRE 150K				$\diamond$
BRK				С
				В
	2	2004 I/P CON W000!	: OBAPRO3 Workhorse (W22) EXTN HARNESS NECTOR FACES 5342 SHEET #204 PAGE 2 OF 2 1	

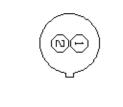


CHASS I S CUSTOM WORKHORSE

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		_,_,_ ABCD  C405				
EM NO:	15					
5326631						
١V	WIRE	WIRE	WIRE			
	150E	150E	150E			
	1589	1589A	1589B			
	2759	2759A	2759B			
	120E	120E	120E			
MBOL	1	2	3			

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708	$\Theta$
NO: 954	
791 BLK	
TO LHR WHEEL SEN	ISOR
WIRE	
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884	
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988	BLK
TO L	HR WHEEL SENSOR
	WIRE
	885B
	884B
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C70	8
ITEM NO:	956
15393190	BLK
INLINE-TO LH	IR WHEEL SENSOR
CAV	WIRE
1	885A
2	884A
SYMBOL	2

2709	
): 955	
90 BLK	
ORHR WHEEL SENSOR	
WIRE	WIRE
883	883A
882	882A

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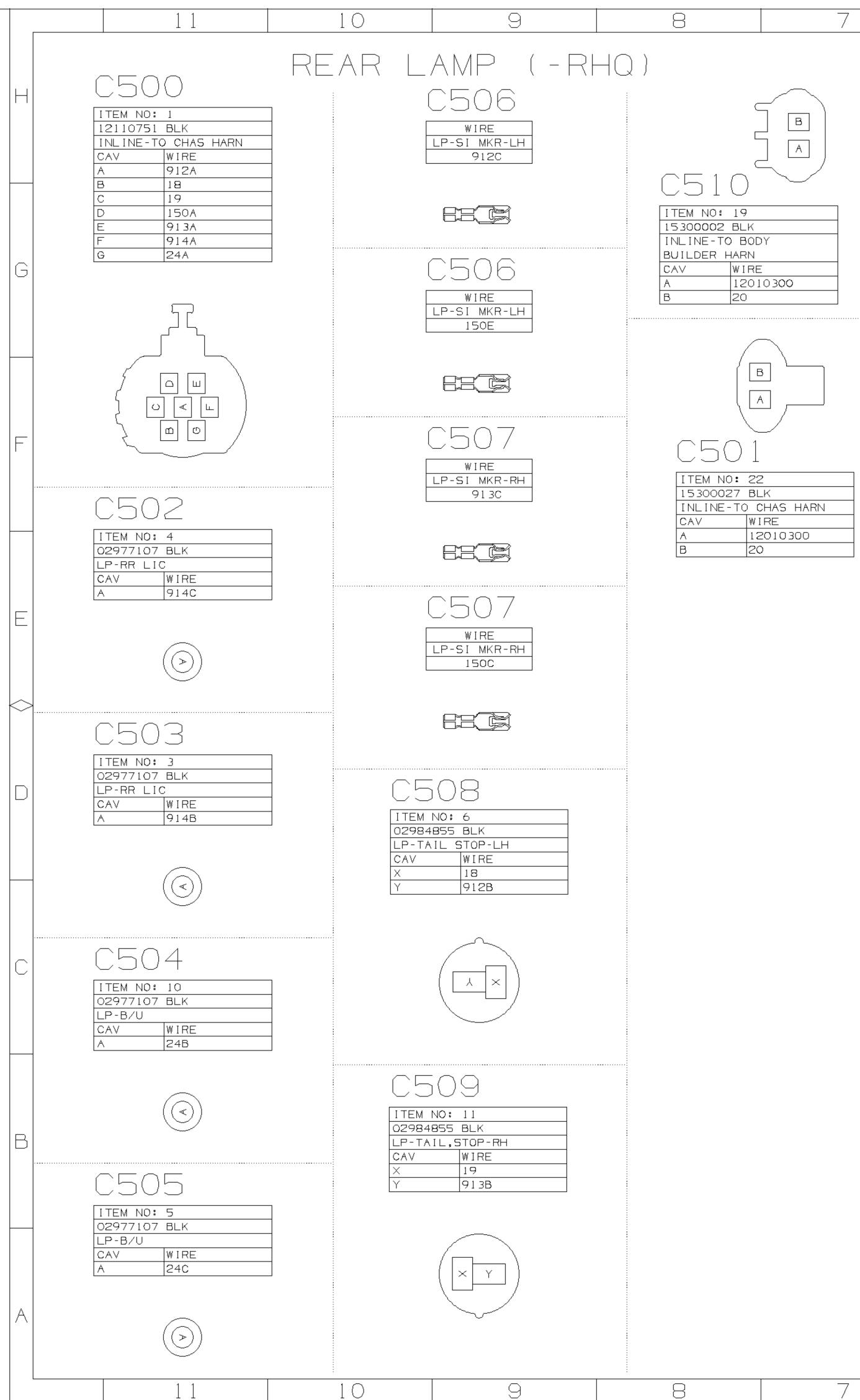
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3	2004 C CON W000!	: OBAPRO3 WORKHORSE (W22) HAS HARNESS INECTOR FACES 5342 SHEET #205 PAGE 1 OF 1 1

	1 1	10	9	8	7	$\langle \rangle$	6	5	4
	<ul> <li>≤ BI CI DI EI LI GI</li> <li>≤ BI CI DI EI LI GI</li> <li>∨S BS C3 DS E3 LS GS</li> <li>∨S B3 C4 E4 L3 G3</li> <li>∀4</li> <li>∀4</li> </ul>	C272 ITEM NO: 16 12010105 BLK FUSE-GA CAV WIRE							
G	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	A 3 B 39J	)						
F	INLINE-TO       I/P       HARN         CAV       WIRE         A1       3         A2	C 2 7 4 ITEM NO: 4 15326631 BLK SDR-FUEL CAV WIRE A 150B B 1589 C 2759 D 120							
E	C4       D1     2759       D2     867       D3	C275 [ITEM NO: 2	i	В. 	]				
$\diamond$	E3       E4       F1       F2       F3       F4	12004264 BLK LP-CHECK ENG CAV WIRE A 39A B 419	;	771 773 776					
	G1       G2         G3       G4         G4       773         G5       776         H6       H6         H7       H8         H9       771         J6       J7         J8       Image: Second	C276 ITEM NO: 1 12004264 BLK LP-ANTILOCK BRK IND CAV WIRE		772 12059168 39M 12059168 12059168 12059168 150H					
C	J9       K6         K7       K7         K8       K9         L6       150C         L7       L8         M6       39C         M7       M8         M9       419	A 39B B 867							
B	M7         N7         N8         N9       150E         P6         P7       120         P8         P9         P10								
	1 1	10	9	8	7	$\Diamond$	6	5	4

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		: OBAPRO3 Workhorse (	W22)	_
		E AWAY H, NECTOR F 5342 SHEE	ARNESS ACES	A
 3	2	PAGE 1 OF	1	

	11 10	9	8	7
H	C 3 1 3 I TEM NO: 36			
G	06288472       NAT         LP-HDLP       -LH         CAV       WIRE         A       11H         B       593E/593F         SYMBOL       9	ITEM NO: 32 12052644 GRA HORN-RH CAV WIRE A 150C B 29C		[] [] [] [] [] [] [] [] [] [] [] [] [] [
F	ITEM NO: 9         02973386 BLK         LP-HDLP -LH         CAV       WIRE         MIRE         A       12G/12X         B       11N/115         C       150L         SYMBOL       3	A 150E		
E	C 3 1 5 ITEM NO: 38 06288472 NAT LP-HDLP -RH CAV WIRE WIRE			02973386 B LP-HDLP-RH CAV W A 1 B 1 C 1 SYMBOL 3 225 0
D	A         11J         11F           B         150N         150T           SYMBOL         9         5	A G	зск	225.0 TO CCA
C	(	ITEM NO: 12110539 RLY-DAYTI LP CAV 30		GI WI 154
В		86 87A 87 SYMBOL	150F 11AC 12010300 9	
	C 3 0 4 ITEM NO: 10 02984855 BLK CAV WIRE X 14C Y 9C LP-PARK-LH	9	8	7

FORWARD LAMP	
$\begin{bmatrix} A & 9A &$	IRE         A         2X         4A         93C         9A         5A         1S
B       29B         Image: Constraint of the second sec	IRE 93 2A/12B 1A/11C
I2103178 BLK       LP-SI MKR-LH       CAV       B       I4B       GND       I015.0       To cc       WIRE       V(a)       WIRE       WIRE       WIRE       WIRE	
Image: Second	C
B6       150F         B7A       11AC         B7       12010300         SYMBOL       9	B
2004 FWI CC	E: OBAPRO3 WORKHORSE (W22) D/REAR LP HARN DNNECTOR FACES 05342 SHEET #208 PAGE 1 OF 2 1



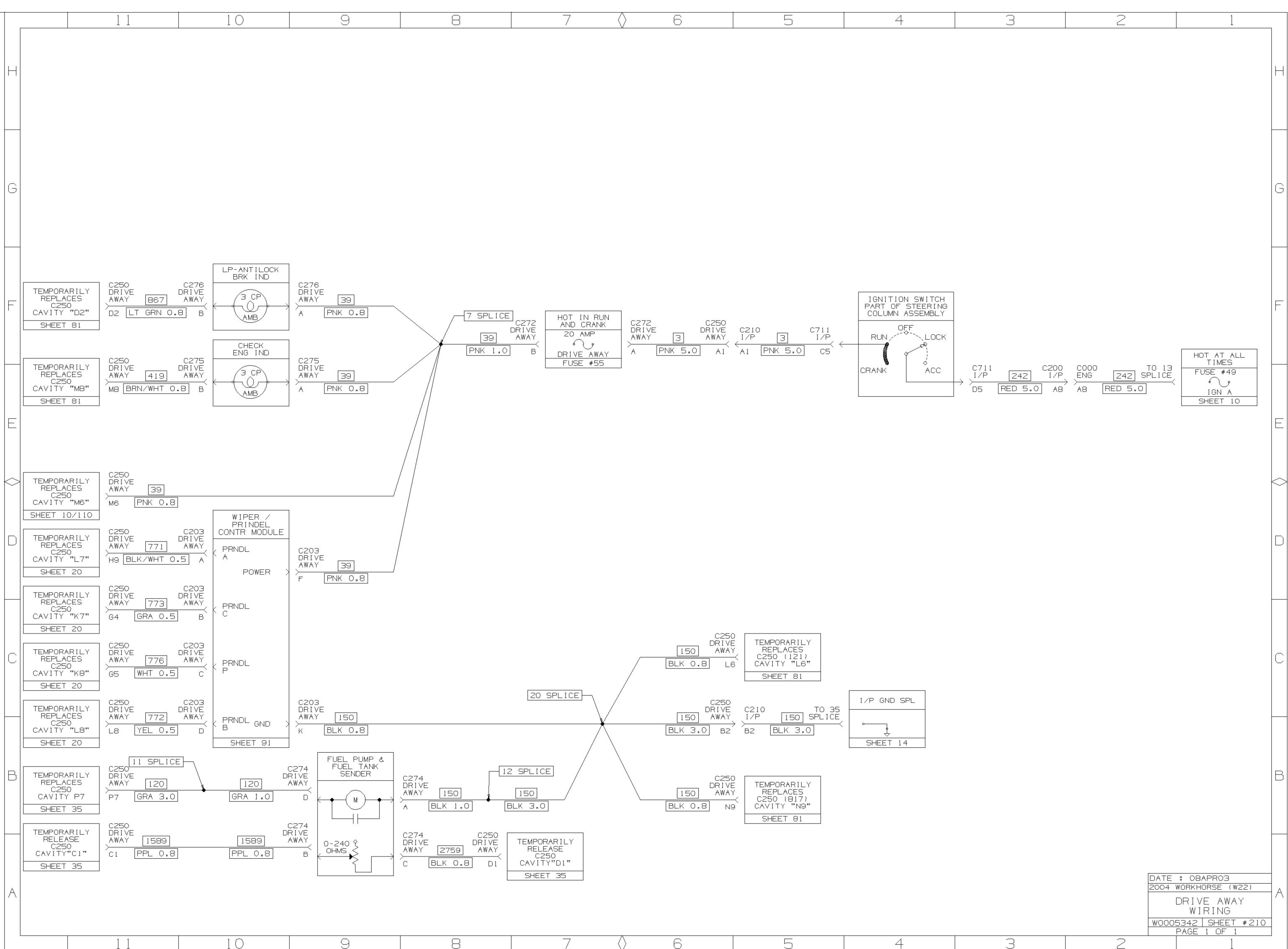
CHASS I S CUSTOM WORKHORSE

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CHASSIS CUSTOM WORKHORSE

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