

ITEMS	CATALOG	MFG	DESCRIPTION	MISC1	QTY
1	HDP26-24-2IPE-L017	DEUTSCH	HDP20 21 PDS PLUG E-SEAL REVERSE GENDER WITH ADAPTER RING	WIRE SIZE: 10, 12, 14, 16, 18, 20, 4x SIZE 12, 17x SIZE 16 PINS, 19228997	1
2	0460-204-12141	DEUTSCH	COMMON CONTACT PIN	NICKEL-PLATED SIZE 12, 12-14 AVG, 25A MAX CURRENT, 19202418	4
3	0460-202-16141	DEUTSCH	COMMON CONTACT PIN	NICKEL-PLATED SIZE 16, 16-20 AVG, 13A MAX CURRENT, 19202412	11
4	0460-202-1631	DEUTSCH	COMMON CONTACT PIN	GOLD-PLATED SIZE 16, 16-20 AVG, 13A MAX CURRENT, 19200026	9
5	0460-215-16141	DEUTSCH	COMMON CONTACT PIN	NICKEL-PLATED SIZE 16, 14 AVG, 13A MAX CURRENT, 19202419	4
6	114017	DEUTSCH	SEALING PLUG	CONTACT SIZE 12.16 FOR DT, HD, DR, & AE SERIES, 19201283	17
7	2428-004-2405	DEUTSCH	HDP20 SIZE 24 BACKSHELL 90 DEG	90 DEG BACKSHELL, 1921497	1
8	DT06-6S-C015	DEUTSCH	DT PLUG	GRAY, PLASTIC, USES SIZE 16 SOCKETS, V6S WEDGELOCK, REDUCED SEAL SIZE, 19203792	2
9	V4S	DEUTSCH	WEDGELOCK	FDR DT06-6S PLUG, NORMAL SEAL RETENTION, 19201197	2
10	0462-209-16141	DEUTSCH	COMMON CONTACT SOCKET	NICKEL-PLATED SIZE 16, 14 AVG, 13A MAX CURRENT, 19202430	4
11	0462-201-1631	DEUTSCH	COMMON CONTACT SOCKET	GOLD-PLATED SIZE 16, 16-20 AVG, 13A MAX CURRENT, 19200029	46
12	1011-267-0405	DEUTSCH	DT06-6S BACKSHELL	180 DEG BACKSHELL W/ CABLE STRAIN RELIEF, 8.5, 10, AND 13 MM TUBING	2
13	776273-1	TE	AMPSEAL AUTOMOTIVE PLUG, 14 POSITION SHELL BLACK		1
14	770854-1	TE	RECTANGULAR POWER CONTACT, AMPSEAL SERIES, TIN PLATED CONTACTS, COPPER ALLOY, SOCKET, CRIMP, 16-20 AVG	USE CRIMPER 50529-1 OR EQUIVALENT, EXTRACTION TOOL 1579007-2, 19216199	10
15	2138530-1	TE	AMPSEAL BACKSHELL 14-PDS		2
16	11613785	FASTENAL	M3X8MM 1.5 PITCH PLASTIC SCREW		2
17	1424888	PHOENIX CONTACT	SENSOR/ACTUATOR CABLE - PLUSCON CIRCULAR CONNECTOR - SAC-SP-5.0-547/M12FS BK	5-PDS, PVC YELLOW, CABLE LENGTH 5m, STRAIGHT M12 SPEEDCON PLUG, ON FREE CONDUCTOR END	1
18	DT06-4S-C015	DEUTSCH	DT PLUG	GRAY, PLASTIC, USES SIZE 16 SOCKETS, V4S WEDGELOCK, REDUCED SEAL SIZE, 19203787	2
19	V4S-ZZ	DEUTSCH	WEDGELOCK	FDR DT06-4S PLUG, NORMAL SEAL RETENTION, 19201195	2
20	0462-201-16141	DEUTSCH	COMMON CONTACT SOCKET	NICKEL-PLATED SIZE 16, 16-20 AVG, 13A MAX CURRENT, 19200028	15
21	1011-263-0405	DEUTSCH	DT06-4S BACKSHELL	180 DEG BACKSHELL W/ CABLE STRAIN RELIEF, 6, 7.5, 8.5, AND 10 MM TUBING	2
22	1011-346-0405	DEUTSCH	DT THERMOPLASTIC DUST CAP FOR DT06-4S	BLACK, THERMOPLASTIC, 19205342	1
23	34566-0103	MOLEX	CONNECTOR, PLUG 73 PDS	USED ON MC4	1
24	34565-0003	MOLEX	DRESS COVER		2
25	7158-3114-90	YAZAKI	CAVITY PLUG		1
26	33467-0005	MOLEX	SOCKET 0.64MM 18-20AVG GOLD	FITS MX123 CONNECTORS	47
27	34586-0001	MOLEX	CAVITY PLUG 0.64MM		89
28	34822-0013	MOLEX	CONNECTOR, PLUG 66 PDS	USED ON MC4	1
29	7116-4152-02	YAZAKI	COMMON CONTACT SOCKET	NICKEL-PLATED 2.8mm, 14 AVG, 20A MAX CURRENT, 19203185	2
30	7158-3113-40	YAZAKI	SEAL FDR 2.8MM TERMINAL	2.18-3.0mm SEAL, 19203192	2
31	5030043	PARKER	ADDRESS TAG		1
32	DT06-12SA-C015	DEUTSCH	DT SERIES	GRAY, PLASTIC, A CODED, REDUCED SEALS, USES SIZE 16 SOCKETS, V12S WEDGELOCK, REDUCED SEAL SIZE, 192	3
33	V12S	DEUTSCH	WEDGELOCK	FDR DT06-12S* PLUG, NORMAL SEAL RETENTION, 19205192	3
34	1028-043-1205	DEUTSCH	DT06-12S* BACKSHELL	180 DEG BACKSHELL FOR MATING WITH ENHANCED KEY RECEPTACLES, SIZE 13 AND 17 MM TUBING	3
35	DT04-12PA-P075	DEUTSCH	DEUTSCH RECPT DT 12 PDS BUS 4,4,4	A KEY, GRAY, 19221576	3
36	8770	BELDEN	MULTI-CONDUCTOR CABLE	3 CONDUCTOR (16x30), 300V, -20 TO 60 DEG C	1
37	HDP24-24-33SN-L017	DEUTSCH	HDP20 33 PDS RECEPTACLE N-SEAL WITH ADAPTER RING	33x SIZE 20 SOCKETS	1
38	0462-005-20141	DEUTSCH	COMMON CONTACT SOCKET	NICKEL-PLATED SIZE 20, 16-18 AVG, 7.5A MAX CURRENT, 19202421	33
39	2411-001-2405	DEUTSCH	HD PANEL NUT, PLASTIC, SIZE 24	19202803	2
40	2414-001-2406	DEUTSCH	HD LOCKWASHER, VALVE SIZE 24	19202805	2
41	2428-010-2405	DEUTSCH	HDP20 SIZE 24 BACKSHELL 180 DEG	180 DEG BACKSHELL, SIZE 17, 19 AND 26 MM TUBING, 19211498	2
42	HDP24-24-2ISE-L017	DEUTSCH	HDP20 21 PDS RECEPTACLE E-SEAL REVERSE GENDER WITH ADAPTER RING	WIRE SIZE 10, 12, 14, 16, 18, 20, 4x SIZE 12, 17x SIZE 16 SOCKETS, 19228972	1
43	0462-203-12141	DEUTSCH	COMMON CONTACT SOCKET	NICKEL-PLATED SIZE 12, 12-14 AVG, 25A MAX CURRENT, 19202429	4
44	DT04-08PB-C015	DEUTSCH	DEUTSCH RECPT DT 8 PDS 8 KEY E SEAL	BLACK, 19242843	1
45	V8P	DEUTSCH	WEDGELOCK	FDR DT04-8P PLUG, NORMAL SEAL RETENTION, 19205212	1
46	1011-245-0805	DEUTSCH	DT04-08P* BACKSHELL	180 DEG BACKSHELL, 8.5, 10, AND 13 MM TUBING	1
47	DT06-08SA-C015	DEUTSCH	DEUTSCH PLUG DT 8 PDS E SEAL A KEY	GRAY, 19203765	1
48	V8S	DEUTSCH	WEDGELOCK	FDR DT06-08S* PLUG, NORMAL SEAL RETENTION, 19205213	1
49	1011-243-0805	DEUTSCH	DT06-08S* BACKSHELL	180 DEG BACKSHELL, 8.5, 10, AND 13 MM TUBING	1
50	5030082	PARKER	TERMINATION TAG		1
51	FJ1939202-001	NORTHWIRE	SHIELDED TWISTED PAIR - J1939/11	1 TWISTED PAIR (19X32), XLPE, 125 DEG C, BARE COPPER DRAIN OUTSIDE SHIELD	1
52	6TXL-1801-4/D5	ANIXTER	TWISTED PAIRED SIGNAL WIRE	1 TWISTED PAIR (19X31), 60V, XLP, -40 TO 125 DEG C	1
53	ZVK	LUMBERG	M12 DUST COVER WITH EXTERNAL THREADS		1

CBL	MFG	CAT
CBL7021	NORTHWIRE	FJ1939202-001
CBL7022	NORTHWIRE	FJ1939202-001
CBL8021	ANIXTER	6TXL-1801-4/D5
CBL8022	NORTHWIRE	FJ1939202-001
CBL8031	NORTHWIRE	FJ1939202-001
CBL8091	NORTHWIRE	FJ1939202-001
CBL8141	NORTHWIRE	FJ1939202-001
CBL10091	ANIXTER	6TXL-1801-4/D5
CBL10121	NORTHWIRE	FJ1939202-001
CBL10151	NORTHWIRE	FJ1939202-001
CBL10181	NORTHWIRE	FJ1939202-001
CBL10221	BELDEN	8770
CBL13081	ANIXTER	6TXL-1801-4/D5
CBL13082	ANIXTER	6TXL-1801-4/D5
CBL13131	PHOENIX CONTACT	1424888

NOTE:  
CONTACT ENGINEERING REGARDING ANY QUESTIONS,  
CLARIFICATIONS, OR REQUESTED DEVIATIONS

CREATED DRAWING	BDELAAT	12-21-2022	BDELAAT	12-21-2022	-	A
REVISION DESCRIPTION	REVISED BY	DATE	REVIEWED BY	DATE	ECO	REV

RELEASED

12-21-2022

UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN INCHES

WIRE LENGTH TOLERANCES  
SPEC. = IPC/WHMA-A-620B

THIRD ANGLE  
PROJECTION

1

2

3

1 PLACE

2 PLACE

3 PLACE

in

mm

±.030

±.010

±.005

±.076

±.025

±.013

±.005

±.013

±.005

±.013

±.005

±.005

- FRACTIONS ± 1/16in ± 1.59mm

- TOLERANCES ON DECIMALS:

- ANGULAR DIMENSIONS ± 1 DEG

- DIMENSIONS IN ( ) ARE REFERENCE

- REMOVE BURRS

- BREAK EDGES 0.01IN 0.25MM MAX

- MAX SURFACE ROUGHNESS 125√

ORIGINATED BY:  
GLEE

ORIGINATION DATE:  
12-13-2019

PROJECT ENGINEER:  
BDELAAT


ACCOUNT MANAGER:  
MKAJA

MATERIAL:  
N/A

COATING/PLATING:  
NONE

CUSTOMER PART NUMBER:  
03015990

ALL TECHNICAL DATA ON THIS DRAWING IS  
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AND SHALL NOT BE USED BY OTHERS FOR  
MANUFACTURE, PROCUREMENT, OR  
DISCLOSURE WITHOUT THE WRITTEN  
PERMISSION OF:  
GS GLOBAL RESOURCES INC.



GLOBAL  
RESOURCES

MUKWONAGO, WI 53149

DRAWING TITLE:  
ROTATOR  
CENTRAL CHASSIS HARNESS  
ASSEMBLY DRAWING

SHT SIZE  
B

DRAWING NUMBER  
20088756

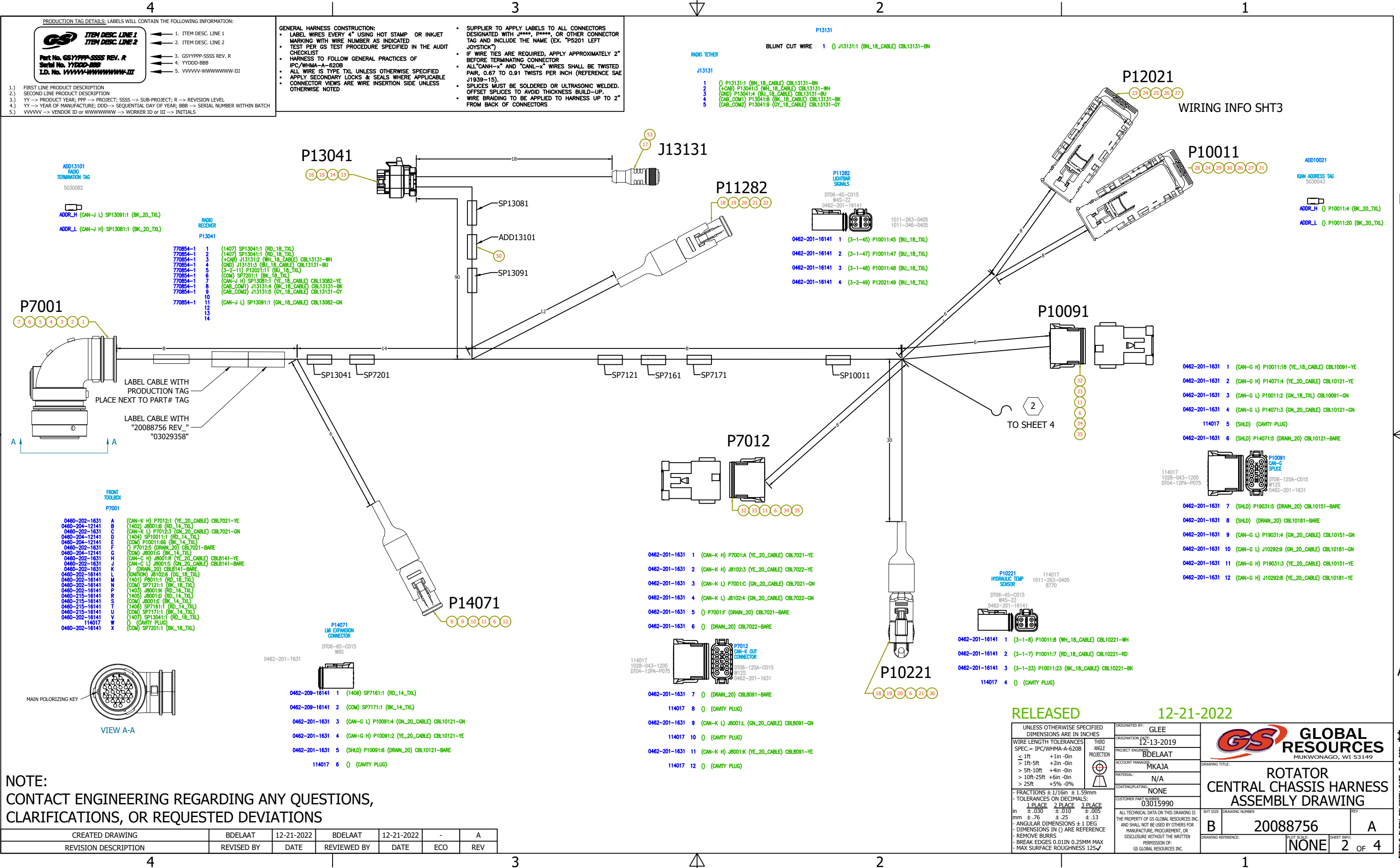
REV  
A

DRAWING REFERENCE:  
NONE

PLOT SCALE:  
1

SHEET INFO:  
1 OF 4

TITLE BLOCK REVISION DATE 5-5-2021



B

B

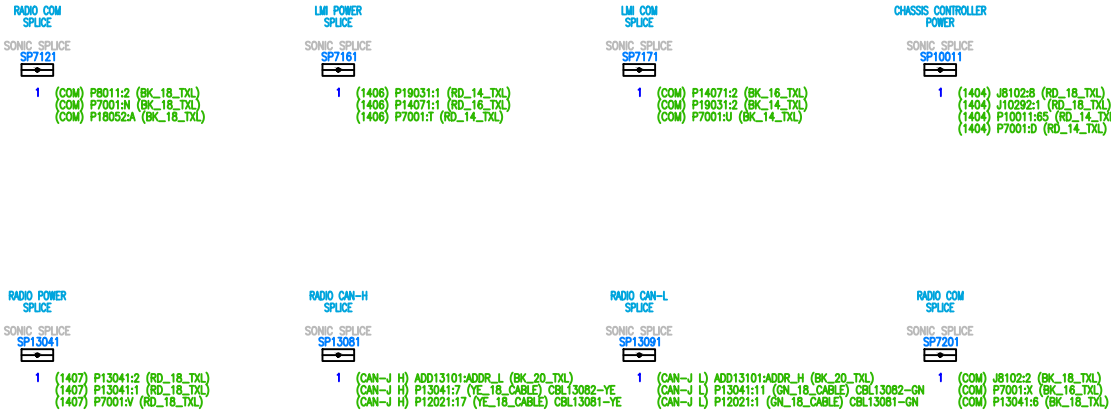
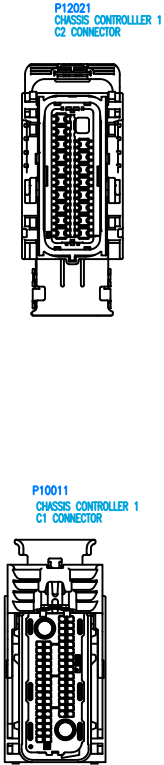
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A

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CREATED DRAWING	BDELAAT	12-21-2022	BDELAAT	12-21-2022	-	A
REVISION DESCRIPTION	REVISED BY	DATE	REVIEWED BY	DATE	ECO	REV

33467-0005	1	(CAN-A L) P8012:4 (GN_18_CABLE) CBL13081-GN	34586-0001	38	0	(CAVITY PLUG)
33467-0005	2	(CAN-G L) P10091:3 (GN_18_TXL) CBL10091-GN	34586-0001	39	0	(CAVITY PLUG)
34586-0001	3	0	34586-0001	40	0	(CAVITY PLUG)
34586-0001	4	0	34586-0001	41	0	(CAVITY PLUG)
34586-0001	5	0	34586-0001	42	0	(CAVITY PLUG)
34586-0001	6	0	33467-0005	43	(3-2-43) J8001:P (BU_18_TXL)	
34586-0001	7	0	34586-0001	44	0	(CAVITY PLUG)
34586-0001	8	0	34586-0001	45	0	(CAVITY PLUG)
34586-0001	9	0	34586-0001	46	0	(CAVITY PLUG)
34586-0001	10	0	33467-0005	47	(3-2-47) J10292:29 (BU_18_TXL)	
33467-0005	11	(3-2-11) P13041:5 (BU_18_TXL)	33467-0005	48	(3-2-48) J10292:32 (BU_18_TXL)	
34586-0001	12	0	33467-0005	49	(3-2-49) P11282:4 (BU_18_TXL)	
33467-0005	13	(3-2-13) J10292:28 (BU-WHL_18_TXL)	34586-0001	50	0	(CAVITY PLUG)
33467-0005	14	(3-2-14) J10292:31 (BU-WHL_18_TXL)	34586-0001	51	0	(CAVITY PLUG)
34586-0001	15	0	34586-0001	52	0	(CAVITY PLUG)
33467-0005	16	(3-2-16) J10292:4 (BU-WHL_18_TXL)	34586-0001	53	0	(CAVITY PLUG)
33467-0005	17	(CAN-J H) SP13081:1 (YE_18_CABLE) CBL13081-YE	34586-0001	54	0	(CAVITY PLUG)
34586-0001	18	0	34586-0001	55	0	(CAVITY PLUG)
34586-0001	19	0	34586-0001	56	0	(CAVITY PLUG)
34586-0001	20	0	34586-0001	57	0	(CAVITY PLUG)
34586-0001	21	0	34586-0001	58	0	(CAVITY PLUG)
34586-0001	22	0	34586-0001	59	0	(CAVITY PLUG)
34586-0001	23	0	34586-0001	60	0	(CAVITY PLUG)
34586-0001	24	0	34586-0001	61	0	(CAVITY PLUG)
34586-0001	25	0	34586-0001	62	0	(CAVITY PLUG)
34586-0001	26	0	34586-0001	63	0	(CAVITY PLUG)
34586-0001	27	0	34586-0001	64	0	(CAVITY PLUG)
34586-0001	28	0	34586-0001	65	0	(CAVITY PLUG)
33467-0005	29	(3-2-29) J10292:30 (BU-BK_18_TXL)	34586-0001	66	0	(CAVITY PLUG)
33467-0005	30	(3-2-30) J10292:33 (BU-BK_18_TXL)	34586-0001	67	0	(CAVITY PLUG)
34586-0001	31	0	33467-0005	68	(3-2-68) J10292:5 (BU_18_TXL)	
33467-0005	32	(3-2-32) J10292:6 (BU-BK_18_TXL)	34586-0001	69	0	(CAVITY PLUG)
34586-0001	33	0	34586-0001	70	0	(CAVITY PLUG)
34586-0001	34	0	34586-0001	71	0	(CAVITY PLUG)
34586-0001	35	0	34586-0001	72	0	(CAVITY PLUG)
34586-0001	36	0	7158-3114-90	73	0	(CAVITY PLUG)
34586-0001	37	0				

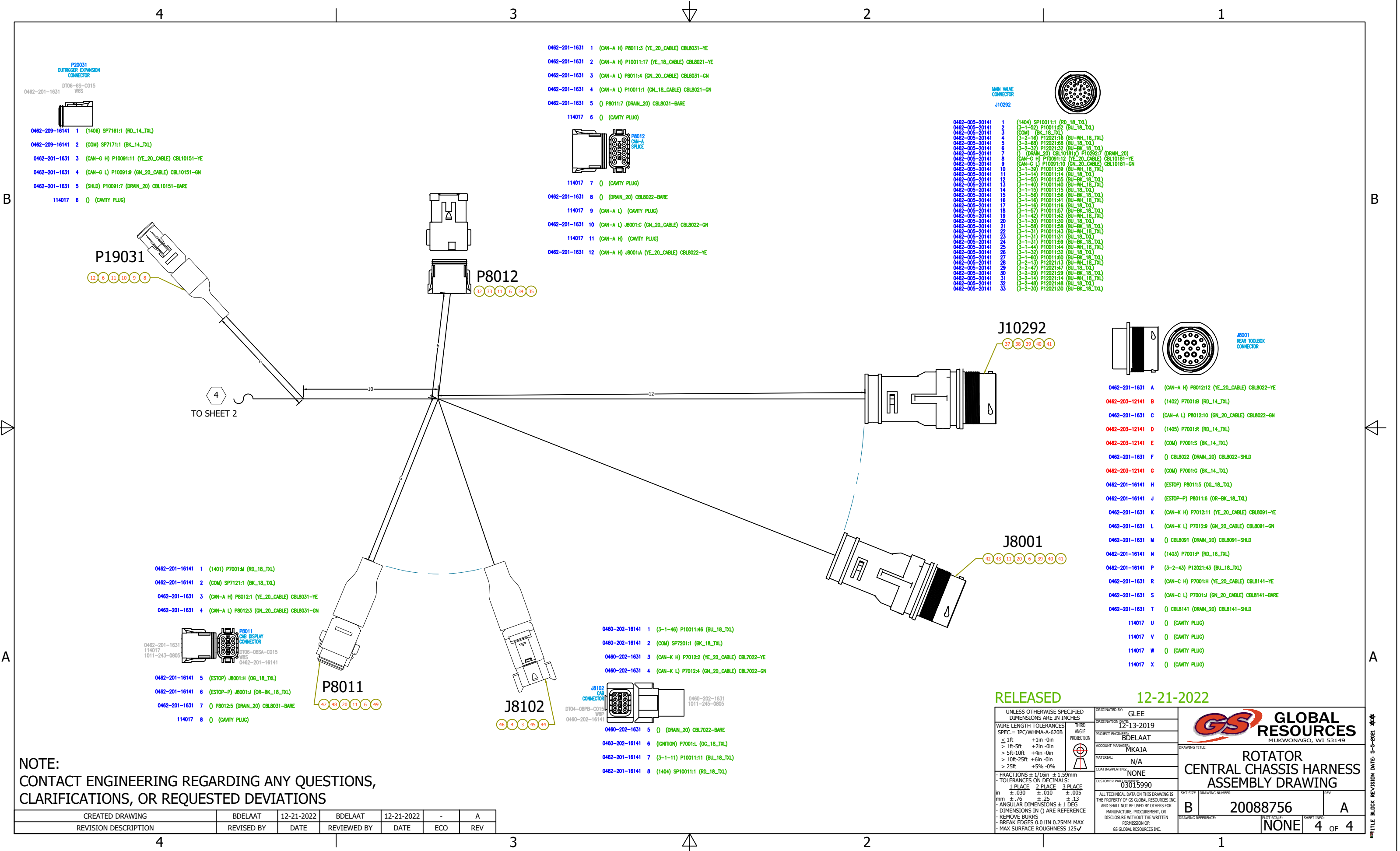


RELEASED

12-21-2022


UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES WIRE LENGTH TOLERANCES SPEC.= IPC/WHMA-A-620B ≤ 1ft +1in -0in > 1ft-5ft +2in -0in > 5ft-10ft +4in -0in > 10ft-25ft +6in -0in > 25ft +5% -0% FRACTIONS ± 1/16in ± 1.59mm TOLERANCES ON DECIMALS: 1 PLACE ±.030 ±.010 ±.005 2 PLACE ±.025 ±.005 ±.013 3 PLACE ±.020 ±.005 ±.010 ALL TECHNICAL DATA ON THIS DRAWING IS THE PROPERTY OF GS GLOBAL RESOURCES INC. AND SHALL NOT BE USED BY OTHERS FOR MANUFACTURE, PROCUREMENT, OR DISCLOSURE WITHOUT THE WRITTEN PERMISSION OF: GS GLOBAL RESOURCES INC.	ORIGINATED BY: GLEE ORIGINATION DATE: 12-13-2019 PROJECT ENGINEER: BDELAAT ACCOUNT MANAGER: MKAJA MATERIAL: N/A COATING/PLATING: NONE CUSTOMER PART NUMBER: 03015990	 GLOBAL RESOURCES MUKWONAGO, WI 53149 DRAWING TITLE: ROTATOR CENTRAL CHASSIS HARNESS ASSEMBLY DRAWING SHT SIZE: B DRAWING NUMBER: 20088756 REV: A DRAWING REFERENCE: PLOT SCALE: NONE SHEET INFO: 3 OF 4





NOTE:  
CONTACT ENGINEERING REGARDING ANY QUESTIONS,  
CLARIFICATIONS, OR REQUESTED DEVIATIONS

CREATED DRAWING	BDELAAT	12-21-2022	BDELAAT	12-21-2022	-	A
REVISION DESCRIPTION	REVISED BY	DATE	REVIEWED BY	DATE	ECO	REV

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		ORIGINATED BY: GLEE			
WIRE LENGTH TOLERANCES SPEC. = IPC/WHMA-A-620B		ORIGIN DATE: 12-13-2019			
≤ 1ft ±1in -0in		PROJECT ENGINEER: BDELAAT		DRAWING TITLE:  ROTATOR CENTRAL CHASSIS HARNESS ASSEMBLY DRAWING	
> 1ft-5ft ±2in -0in		ACCOUNT MANAGER: MKAJA			
> 5ft-10ft ±4in -0in		MATERIAL: N/A		SHEET INFO:  20088756  A	
> 10ft-25ft ±6in -0in		COATING/PLATING: NONE			
> 25ft ±5% -0%		CUSTOMER PART NUMBER: 03015990		PLOT SCALE: NONE	
FRACTIONS ± 1/16in ± 1.59mm - TOLERANCES ON DECIMALS: 1 PLACE ±.030 2 PLACE ±.010 3 PLACE ±.005		ALL TECHNICAL DATA ON THIS DRAWING IS THE PROPERTY OF GS GLOBAL RESOURCES INC. AND SHALL NOT BE USED BY OTHERS FOR MANUFACTURE, PROCUREMENT, OR DISCLOSURE WITHOUT THE WRITTEN PERMISSION OF: GS GLOBAL RESOURCES INC.			
in mm ±.76		DRAWING REFERENCE: NONE		4 OF 4	
ANGULAR DIMENSIONS ± 1 DEG					
DIMENSIONS IN ( ) ARE REFERENCE					
- REMOVE BURRS					
- BREAK EDGES 0.01IN 0.25MM MAX					
- MAX SURFACE ROUGHNESS 125✓					

\*\*\*TITLE BLOCK REVISION DATE: 5-5-2021 \*\*\*