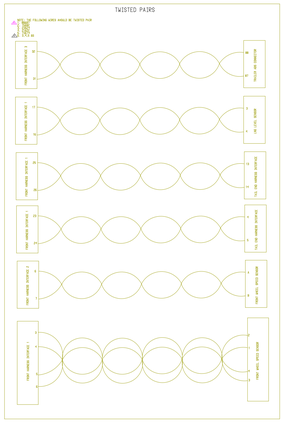
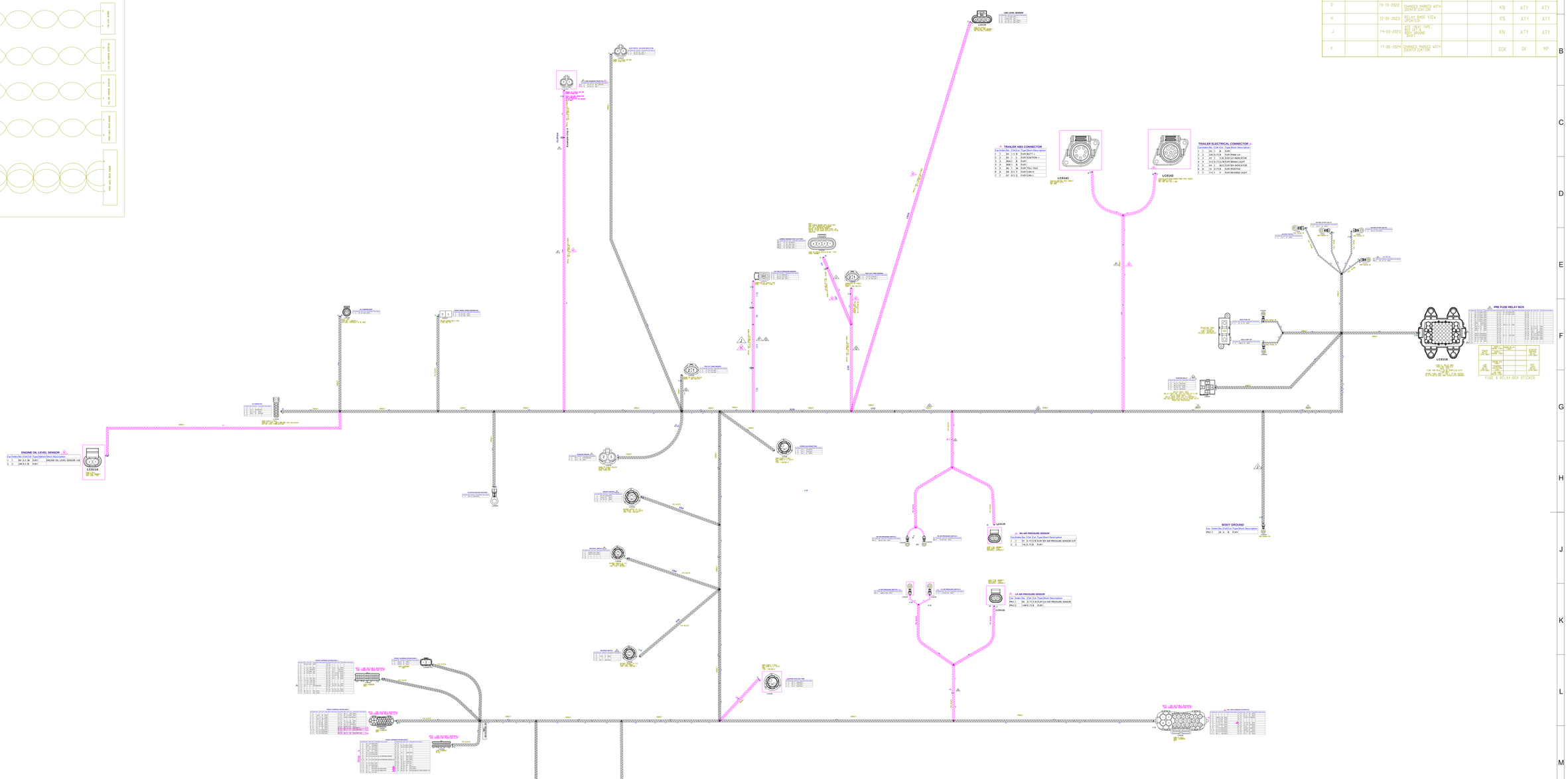
REV	ECN NO	DATE	CHANGES	ZONE	APN	CRT	RWD	APR
A		30-07-2021	INITIAL RELEASE			KN	ATY	ATY
B		17-12-2021	REDRAWN & REVISED			KN	ATY	ATY
C		11-03-2022	CHANGES MARKED IN MAGENTA COLOUR			KN	ATY	ATY
D		08-04-2022	CHANGES MARKED IN MAGENTA COLOUR			KN	ATY	ATY
E		17-05-2022	LH BRAKE PATCH TAP SPLICE ON PANEL			KN	ATY	ATY
F		21-09-2022	CHANGES MARKED WITH IDENTIFICATION			KN	ATY	ATY
G		19-10-2022	CHANGES MARKED WITH IDENTIFICATION			KN	ATY	ATY
H		12-01-2023	RELAY BASE VIEW UPDATED			KN	ATY	ATY
J		14-03-2023	ATE HEAT TAPE, REF. GROUND ADDED			KN	ATY	ATY
K		17-06-2024	CHANGES MARKED WITH IDENTIFICATION			SGK	SK	MP





NOTES:
1. ALL WIRES ARE AS PER ISO 6722 OR DIN-72551 PART 8 UNLESS OTHER WISE SPECIFIED.
2. VIEW OF ALL CONNECTORS ARE SHOWN FROM CABLE INSERTION SIDE UNLESS OTHERWISE SPECIFIED.
3. MAINTAIN THE CABLE COLOUR POSITION AS SHOWN AS IN RESPECTIVE COUPLERS.
4. ALL JOINTS SHOULD BE WITH ULTRASONIC WELDED + JELLY FILLED HST.
5. ALL RING TERMINALS TO BE USED, JELLY FILLED HST.
6. SPIRAL PVC TAPING OVER COT TUBE.
7. ALL NODES TO BE COVER WITH COTTON TAPE USING CROSS TAPING.
8. TAPING ON BRANCH LENGTH <50MM.
9. DUMMY PLUG TO BE PROVIDED IN EMPTY CAVITY OF SEALED CONNECTOR.
10. ALL CONNECTORS SHOULD BE WATER SEALED.
11. SUITABLE BACKSHELLS NEED TO BE USED FOR ALL THE CONNECTOS.
12. CONDUIT SHOULD COMPLY FMVSS302 SE GRADE.
13. ALL TERMINALS SHOULD BE TIN PLATED UNLESS OTHERWISE SPECIFIED.
14. MINIMUM TERMINAL PULLOUT FORCE FROM COUPLER IS > 6Kgf.
15. START OF TAPING FROM COUPLER END TOWARDS MAIN BRANCH.
16. THE BRANCHES SHOULD BE TAKEN OUT IN THE DIRECTION.
17. KEEP ALL JOINT LOCATIONS AS PER MANUFACTURING FEASIBILITY.
18. ALL CLIP TIES AFTER FITMENT ON HARNESS. CUT THE REMAINING PORTION OF CLIP TIE.
19. ALL RUBBER PARTS MATERIAL IN WIRING HARNESS SHOULD BE CARBON FREE.
20. ALL RING TERMINAL DIMENSIONS FROM CRIMPING END OF THE THE RING TERMINALS.
21. ALL CABLE TIES SERRATIONS TO BE ON HARNESS SIDE.
22. TWISTED PAIR WIRES TO BE USED, 30 TURNS PER METER.
23. USE SPOT TAPE AT THE START AND END OF TWIST PAIR (TO AVOID UNTWISTING OF WIRES).
24. PROVIDE DOT MARKING ON SAME WIRE WHERE IT IS GOING IN SAME APPLICATION TO AVOID THE WRONG INSERSION.
25. ADD TERMINATION RESISTANCE 120OHMS AT OPEN CAN WIRES.
26. HST TO BE USED FOR ALL RING TERMINALS.
27. WIRE LENGTHS FROM CONNECTORS TO BE CONSIDERED FROM COUPLER BACK SIDE.
28. W/H APPLICATION LABEL TO BE PROVIDED TO EVERY CONNECTOR BRANCH.

Wire No.	Length (mm)	Wire Description	Cav. No.	Term. No.	Cav. Size	Cav. Color	Length (mm)	Wire No.	Wire Description	Cav. No.	Term. No.	Cav. Size	Cav. Color	Length (mm)
14	2	50010	1	50017	1	0.75 B	210. 12	30.	FRONT HARNESS INTERCONN 2	1.	TAIL END HARNESS INTERCONN 2	1.	0.5 G/B	210.
14	3	50010	2	SIDE MARKER FRONT RH	1	0.5 B	210. 12	30.	FRONT HARNESS INTERCONN 2	2.	TAIL END HARNESS INTERCONN 2	2.	0.5 G/B	210.
14	4	50010	3	50019	1	0.75B	51.	31.	FRONT HARNESS INTERCONN 2	3.	TAIL END HARNESS INTERCONN 2	3.	0.5 G/B	210.
15	5	50018	1	TAIL END HARNESS INTERCONN 2	9.	0.5 B	210.	149.	FRONT HARNESS INTERCONN 2	4.	50011	1.	1.5 B/Y	894.
15	6	50018	2	TAIL END HARNESS INTERCONN 2	10.	0.5 B	210.	150.	FRONT HARNESS INTERCONN 2	5.	TAIL END HARNESS INTERCONN 2	5.	0.5 B	210.
15	7	50018	3	TRAILER ELECTRICAL CONNECTOR	1.	0.75B	210.	148.	50.	50014	6.	TRAILER ELECTRICAL CONNECTOR	1.	0.75B	660.
16	8	50007	1	SIDE MARKER FRONT RH	2.	0.5 B	210.	50.	50017	7.	TAIL END HARNESS INTERCONN 2	22.	0.5 B	315.
16	9	50007	2	50019	1	0.75B	51.	148.	50.	50014	8.	TRAILER ABS CONNECTOR	1.	0.5 B	660.
17	10.	50009	1	PRE FUSE RELAY BOX	30.	0.75B	60.	149.	50011	9.	50017	1.	1.5 B/Y	894.
17	11.	50009	2	EXHAUST BRAKE	2.	1. B	210.	31.	FRONT HARNESS INTERCONN 2	10.	PRE FUSE RELAY BOX	49.	0.75B	672.
17	12.	50009	3	50004	1.	1. B	210.	32.	FRONT HARNESS INTERCONN 2	11.	PRE FUSE RELAY BOX	50.	0.75B	672.
18	13.	50011	1	BODY GROUND	PAD	2. B	210.	33.	FRONT HARNESS INTERCONN 2	12.	PRE FUSE RELAY BOX	20.	0.75B	672.
18	14.	50011	2	50012	1.	2. B	210.	34.	FRONT HARNESS INTERCONN 2	13.	PRE FUSE RELAY BOX	21.	0.75B	672.
19	15.	50014	1	TRAILER ELECTRICAL CONNECTOR	2.	1. B	210.	35.	FRONT HARNESS INTERCONN 2	14.	REVERSE SWITCH	4.	0.5 B/W	1890.
19	16.	50014	2	50015	1.	1.5 B	210.	36.	FRONT HARNESS INTERCONN 2	15.	TRAILER ELECTRICAL CONNECTOR	3.	0.5 W/B	3270.
20	17.	50017	1	STARTER RELAY	2.	0.5 B	210.	37.	FRONT HARNESS INTERCONN 2	16.	TRAILER ELECTRICAL CONNECTOR	4.	0.5 W/B	3270.
20	18.	50016	1	50015	1.	1. B	210.	38.	FRONT HARNESS INTERCONN 2	17.	ELECTRICAL VACUUM INDICATOR	2.	0.5 B/G	2870.
21	19.	50003	1	ELECTRICAL VACUUM INDICATOR	1.	0.5 B	210.	39.	FRONT HARNESS INTERCONN 2	18.	ELECTRICAL VACUUM INDICATOR	1.	0.5 B/G	2870.
21	20.	50003	2	ENGINE OIL LEVEL SENSOR	2.	0.5 B	210.	40.	FRONT HARNESS INTERCONN 2	19.	PRE FUSE RELAY BOX	5.	0.75B/W	672.
22	21.	FRONT HARNESS INTERCONN 2	1.	AMBIEN SENSOR POST CATCEN	PAD	0.5 B/G	3015.	39A.	FRONT HARNESS INTERCONN 2	20.	PRE FUSE RELAY BOX	6.	0.75B/W	672.
22	22.	FRONT HARNESS INTERCONN 2	2.	AMBIEN SENSOR POST CATCEN	PAD	0.5 B/G	3015.	39B.	50.	50012	1.	PRE FUSE RELAY BOX	48.	0.75B/W	672.
23	23.	FRONT HARNESS INTERCONN 2	1.	AMBIEN SENSOR POST CATCEN	PAD	0.5 B/G	3015.	39C.	50.	50012	2.	PRE FUSE RELAY BOX	49.	0.75B/W	672.
23	24.	FRONT HARNESS INTERCONN 2	2.	AMBIEN SENSOR POST CATCEN	PAD	0.5 B/G	3015.	39D.	50.	50012	3.	PRE FUSE RELAY BOX	48.	0.75B/W	672.
24	25.	FRONT HARNESS INTERCONN 2	1.	POST CAT TEMP SENSOR	2.	0.5 B/G	3230.	39E.	50.	50014	4.	PRE FUSE RELAY BOX	14.	0.75B/W	672.
24	26.	FRONT HARNESS INTERCONN 2	2.	POST CAT TEMP SENSOR	1.	0.5 B/W	3230.	39EB.	50.	50012	5.	50015	1.	1. B/W	1.
25	27.	FRONT HARNESS INTERCONN 2	1.	PRE CAT TEMP SENSOR	2.	0.5 B/G	3230.	39F.	50.	50012	6.	PRE FUSE RELAY BOX	47.	0.75B/W	672.
25	28.	FRONT HARNESS INTERCONN 2	2.	PRE CAT TEMP SENSOR	2.	0.5 B/G	3230.	39G.	50.	50012	7.	SPEEDO SENSOR	2.	0.5 B/W	660.
26	29.	FRONT HARNESS INTERCONN 2	1.	OIL LEVEL SENSOR	2.	0.75B/L	3270.	39I.	50.	50012	8.	PRE FUSE RELAY BOX	17.	4. W	8897.
26	30.	50012	1.	50013	1.	0. B	210.	39J.	50.	50014	9.	2W TERMINATOR	3.	0.5 B	3660.
27	31.	50012	2.	50017	1.	0. B	51.	111.	FRONT HARNESS INTERCONN 2	10.	2W TERMINATOR	2.	0.5B/GR	3660.
27	32.	FRONT HARNESS INTERCONN 2	1.	50011	1.	0. B	51.	112.	FRONT HARNESS INTERCONN 2	11.	STEER AXLE LEFT PNC	1.	0.5 B/R	1170.
28	33.	50003	1.	ABS ELECTRONICS/LIF	2.	0.75B	51.	113.	FRONT HARNESS INTERCONN 2	12.	STEER AXLE LEFT PNC	2.	0.5 B/R	1170.
28	34.	50003	2.	50003	1.	0. B	51.	114.	FRONT HARNESS INTERCONN 2	13.	STEER AXLE LEFT PNC	3.	0.5 B/R	1170.
29	35.	50013	1.	50011	1.	0. B	51.	115.	FRONT HARNESS INTERCONN 2	14.	EXT DELTA PRESSURE SENSOR	1.	0.5 B/W	2890.
29	36.	50013	2.	50012	1.	0. B	51.	116.	FRONT HARNESS INTERCONN 2	15.	EXT DELTA PRESSURE SENSOR	2.	0.5 B/W	2890.
30	37.	50005	1.	SPEEDO SENSOR	2.	0.5 B	51.	117.	FRONT HARNESS INTERCONN 2	16.	EXT DELTA PRESSURE SENSOR	3.	0.5 B/G	2890.
30	38.	50005	2.	50004	1.	0. B	51.	118.	FRONT HARNESS INTERCONN 2	17.	50014	1.	0.75B/W	660.
31	39.	50006	1.	50013	1.	0. B	210.	119.	50012	1.	LH AIR PRESSURE SWITCH 1	PAD	0.75B/W	2780.
31	40.	50006	2.	50012	1.	0. B	210.	120.	50012	2.	LH AIR PRESSURE SWITCH 1	PAD	0.75B/W	2780.
32	41.	50011	1.	LH AIR PRESSURE SWITCH 2	1.	0.75B	60.	121.	50014	1.	EXT OFF GAS	PAD	0. B	861.
32	42.	50004	2.	LH AIR PRESSURE SWITCH 2	1.	0.75B	60.	122.	PRE FUSE RELAY BOX	1.	STARTER RELAY	2.	2.5 B/W	810.
33	43.	50001	1.	SIDE MARKER FRONT LH	2.	0.5 B	210.	123.	PRE FUSE RELAY BOX	2.	PRE FUSE RELAY BOX	31.	0.75B/W	150.
33	44.	50001	2.	50019	1.	0. B	51.	124.	PRE FUSE RELAY BOX	3.	PRE FUSE RELAY BOX	32.	0. B/O	150.
34	45.	50007	1.	RH AIR PRESSURE SENSOR	1.	0.75B	60.	125.	PRE FUSE RELAY BOX	4.	50015	1.	0.75B/W	660.
34	46.	50007	2.	50017	1.	0. B	51.	126.	PRE FUSE RELAY BOX	5.	50015	2.	0.75B/ WH	660.
35	47.	50011	1.	50013	1.	0. B	51.	127.	50015	3.	NEUTRAL SWITCH	1.	0.75B/ Y	3200.
35	48.	50011	2.	LH AIR PRESSURE SENSOR	1.	0.75B	60.	128.	FRONT HARNESS INTERCONN 2	4.	NEUTRAL SWITCH	2.	0.75B/ Y	3200.
36	49.	50014	1.	FRONT HARNESS INTERCONN 2	1.	0.5 B	210.	129.	PRE FUSE RELAY BOX	6.	STARTER RELAY	1.	0.75B/W	810.
36	50.	FRONT HARNESS INTERCONN 2	1.	STEER AXLE RIGHT PNC	1.	0.5 B/R	210.	130.	PRE FUSE RELAY BOX	7.	PRE FUSE RELAY BOX	33.	0.75B/W	150.
37	51.	FRONT HARNESS INTERCONN 2	2.	STEER AXLE RIGHT PNC	2.	0.5 B/R	210.	131.	PRE FUSE RELAY BOX	8.	PRE FUSE RELAY BOX	34.	0.75B/W	150.
37	52.	FRONT HARNESS INTERCONN 2	3.	STEER AXLE RIGHT PNC	1.	0.5 B/R	210.	132.	50014	2.	REVERSE SWITCH	1.	0. B	161.
38	53.	FRONT HARNESS INTERCONN 2	1.	TAIL END HARNESS INTERCONN 2	1.	0.75B	210.	133.	50014	3.	50015	1.	0.75B/W	660.
38	54.	FRONT HARNESS INTERCONN 2	2.	TAIL END HARNESS INTERCONN 2	1.	0.75B	210.	134.	50014	4.	50015	2.	0.75B/W	660.
39	55.	FRONT HARNESS INTERCONN 2	1.	TAIL END HARNESS INTERCONN 2	2.	0. B	210.	135.	50014	5.	TRAILER ELECTRICAL CONNECTOR	5.	0. B	2985.
39	56.	FRONT HARNESS INTERCONN 2	2.	TAIL END HARNESS INTERCONN 2	2.	0. B	210.	136.	50014	6.	FRONT HARNESS INTERCONN 2	1.	0. B	1.
40	57.	FRONT HARNESS INTERCONN 2	1.	SPEEDO SENSOR	2.	0.5 B.	210.	137.	BATTERY MONITOR	1.	BATTERY CUTOFF COIL LP	1.	0. B	231.
40	58.	FRONT HARNESS INTERCONN 2	2.	SPEEDO SENSOR CUT OFF	1.	0.5 B.	210.	138.	FRONT HARNESS INTERCONN 2	2.	BATTERY CUTOFF COIL LP	1.	0. B	231.
41	59.	FRONT HARNESS INTERCONN 2	1.	PRE FUSE RELAY BOX	23.	0.5 B.	2017.	74.	139.	FRONT HARNESS INTERCONN 2	1.	RIGHT WHEEL SPEED SENSOR RH	1.	0.75B.
41	60.	FRONT HARNESS INTERCONN 2	2.	PRE FUSE RELAY BOX	2.	0.75B/G.	2017.	75.	140.	FRONT HARNESS INTERCONN 2	2.	TAIL END HARNESS INTERCONN 2	2.	0.75B.
42	61.	FRONT HARNESS INTERCONN 2	1.	PRE FUSE RELAY BOX	3.	0.75B/G.	2017.	76.	141.	FRONT HARNESS INTERCONN 2	3.	TAIL END HARNESS INTERCONN 2	3.	0.75B.
42	62.	FRONT HARNESS INTERCONN 2	1.	FRONT HARNESS INTERCONN 1	1.	0. B	210.	77.	142.	FRONT HARNESS INTERCONN 2	4.	TAIL END HARNESS INTERCONN 2	4.	0.75B.
43	63.	50010	1.	50018	1.	0. B	210.	78.	143.	FRONT HARNESS INTERCONN 2	5.	TAIL END HARNESS INTERCONN 2	5.	0.75B.
43	64.	50010	2.	50 AMP FUSE CLIP	1.	0. B	210.	79.	144.	FRONT HARNESS INTERCONN 2	6.	TAIL END HARNESS INTERCONN 2	6.	0.75B.
44	65.	50015	1.	50014	1.	0. B	80.	80.	145.	FRONT HARNESS INTERCONN 2	7.	TAIL END HARNESS INTERCONN 2	12.	0. B/O
44	66.	50015	2.	PRE FUSE RELAY BOX	28.	0.5 B.	80.	81.	146.	FRONT HARNESS INTERCONN 2	8.	TAIL END HARNESS INTERCONN 2	13.	0.75B.
45	67.	50014	1.	50015	1.	0. B.	80.	82.	147.	FRONT HARNESS INTERCONN 2	9.	OIL LEVEL SENSOR	1.	0.75B.
45	68.	50015	2.	PRE FUSE RELAY BOX	29.	0.5 B.	80.	83.	148.	FRONT HARNESS INTERCONN 2	10.	EXHAUST BRAKE	1.	0. B/O.
46	69.	50015	1.	PRE FUSE RELAY BOX	2.	0.5 B.	80.	84.	149.	FRONT HARNESS INTERCONN 2	11.	TRAILER ABS CONNECTOR	2.	0. B.
46	70.	50015	2.	50016	1.	0.5 B.	80.	85.	150.	TRAILER ABS CONNECTOR	1.	FRONT HARNESS INTERCONN 2	22.	0. B.
47	71.	50016	1.	50015	1.	0.5 B.	80.	86.	151.	50014	1.	TRAILER ABS CONNECTOR	2.	0. B.
47	72.	50016	2.	50 AMP FUSE CLIP	1.	0.5 B.	80.	86A.	152.	50014	2.	TRAILER ABS CONNECTOR	3.	0. B.
48	73.	50015	1.	50017	1.	0. B	80.	86B.	153.	50014	3.	50016	1.	0.5 B.
48	74.	50015	2.	PRE FUSE RELAY BOX	30.	0.5 B.	80.	87.	154.	50014	4.	TRAILER ABS CONNECTOR	4.	0.5 B.
49	75.	50016	1.	FRONT HARNESS INTERCONN 2	1.	0. B	210.	88.	155.	FRONT HARNESS INTERCONN 2	12.	TRAILER ABS CONNECTOR	5.	0.5 B.
49	76.	50016	2.	ALTERNATOR	1.	0. B	210.	89.	156.	FRONT HARNESS INTERCONN 2	13.	TRAILER ABS CONNECTOR	6.	0.5 B.
50	77.	FRONT HARNESS INTERCONN 2	1.	50019	1.	0.75B.	51.	90.	157.	ENGINE OIL LEVEL SENSOR	1.	FRONT HARNESS INTERCONN 2	23.	0.5 B.
50	78.	50019	2.	TAIL END HARNESS INTERCONN 2	1.	0.75B.	51.	91.	158.	FRONT HARNESS INTERCONN 2	14.	LH AIR PRESSURE SENSOR	PAD	0.75B/B
51	79.	50019	3.	50019	1.	0.75B.	51.	92.	159.	FRONT HARNESS INTERCONN 2	15.	RH AIR PRESSURE SENSOR	PAD	0.75B/B
51	80.	50019	4.	TRAILER ELECTRICAL CONNECTOR	2.	0.75B.	51.	93.	160.	FRONT HARNESS INTERCONN 2	16.	50014	1.	0.75B/W

REMOVE ALL BURRS,FLASHES & SHARP EDGES	ALL DIMENSIONS ARE IN MM
DO NOT SCALE DRAWING	IF IN DOUBT PLEASE ASK

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BLUE ENERGY MOTORS

SC — SIGNIFICANT CHARACTERISTICS
CC — CRITICAL CHARACTERISTICS

MATERIAL		CRTD	SGK	DT:	17-06-2024
		RWD	SK	DT:	17-06-2024
HEAT TREATMENT		APP	MP	DT:	17-06-2024
		WEIGHT		SCALE	1:2
SURFACE TREATMENT		REF L/O NO		SHEET SIZE	A0
PROJECTION ANGLE	DESCRIPTION: REAR CHASSIS WIRING HARNESS	PART/ DRG NO: PEE0000014			
		REV K			