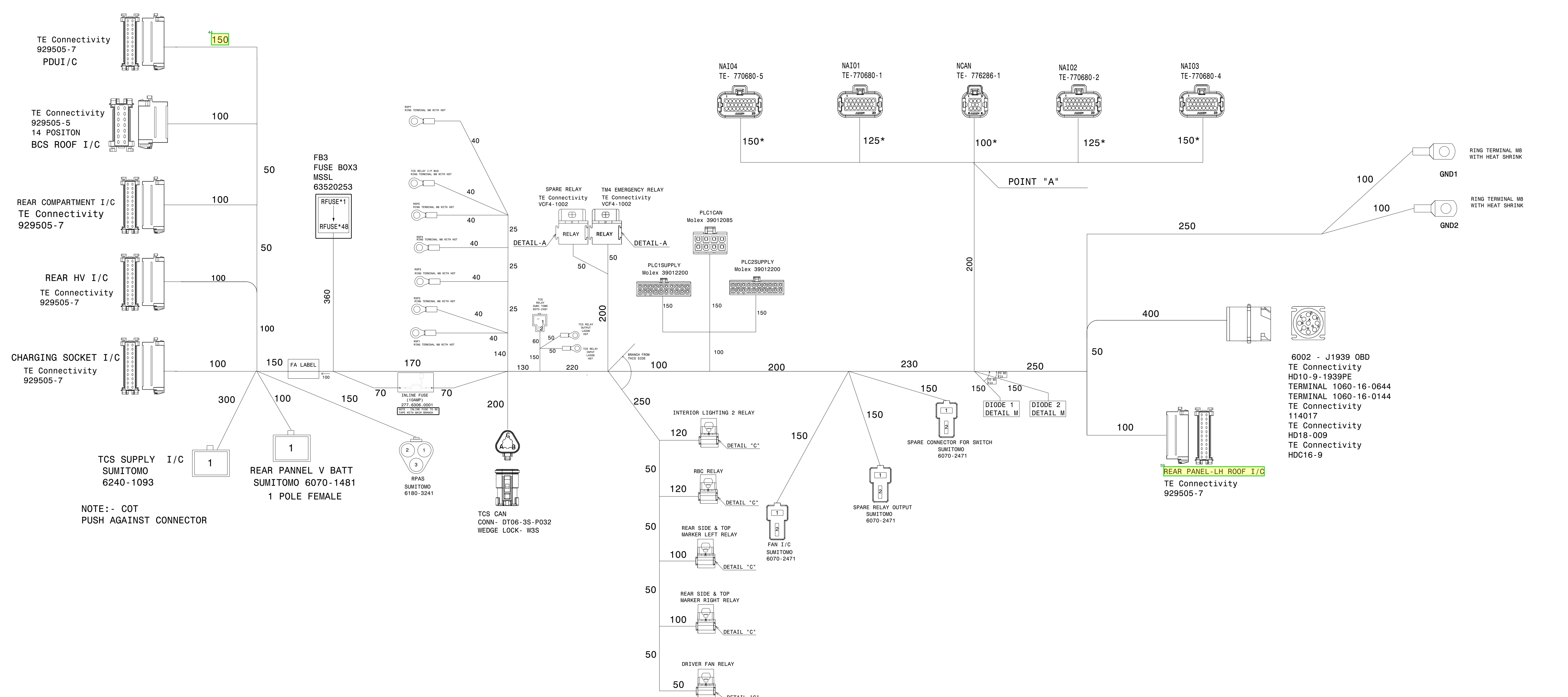
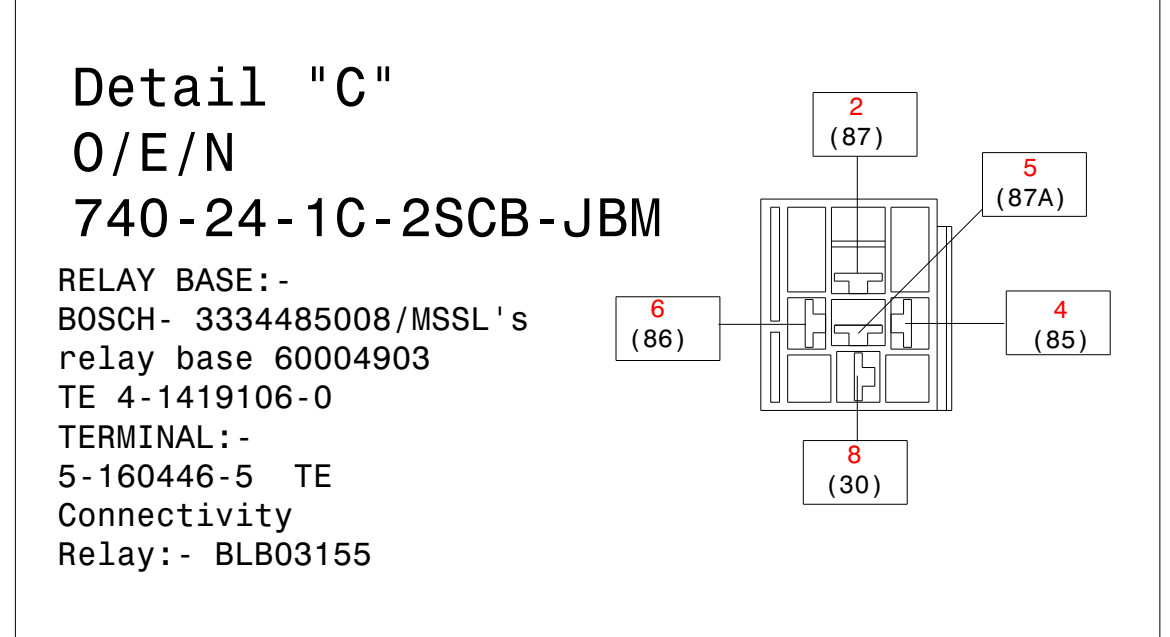
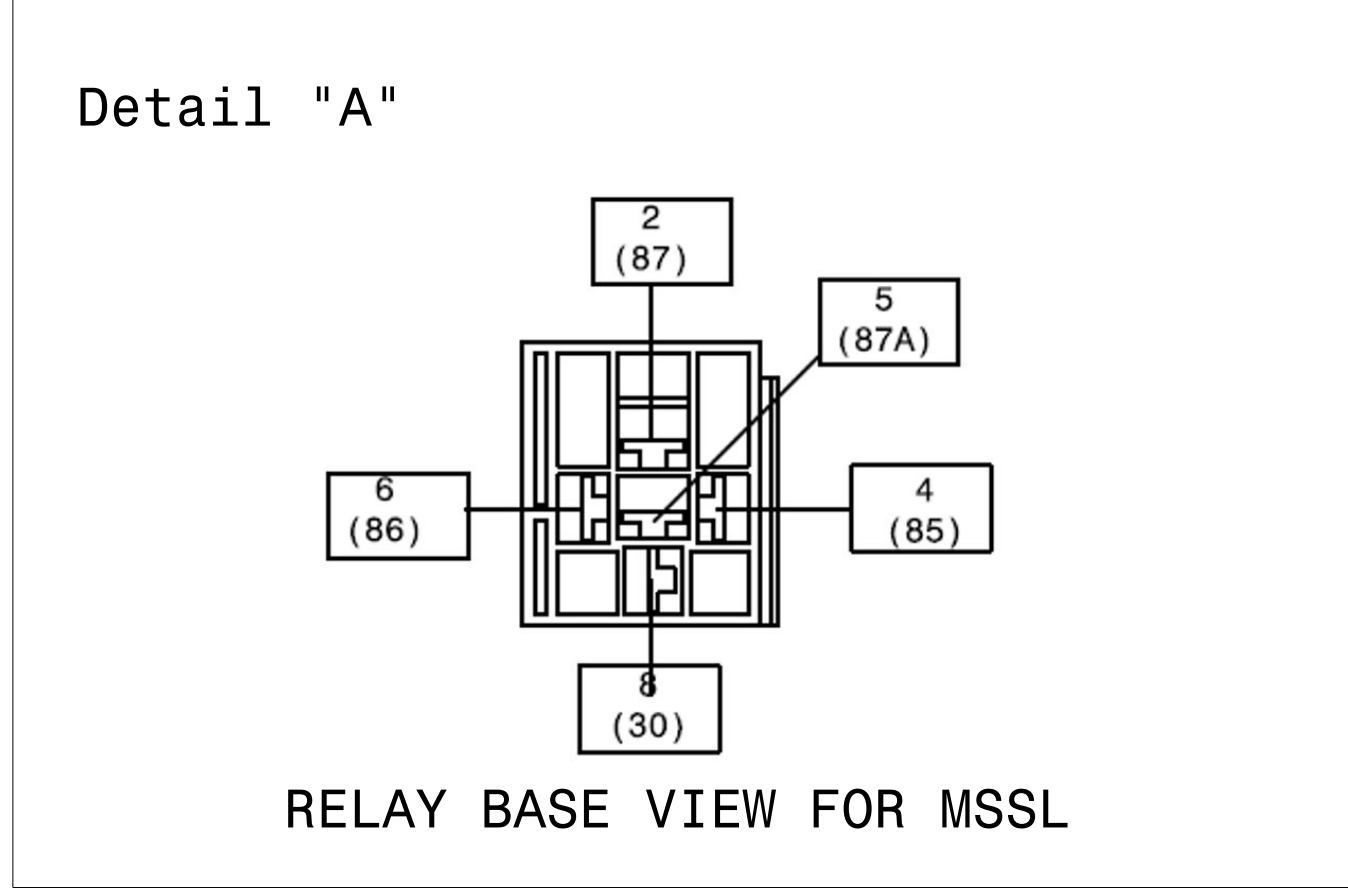
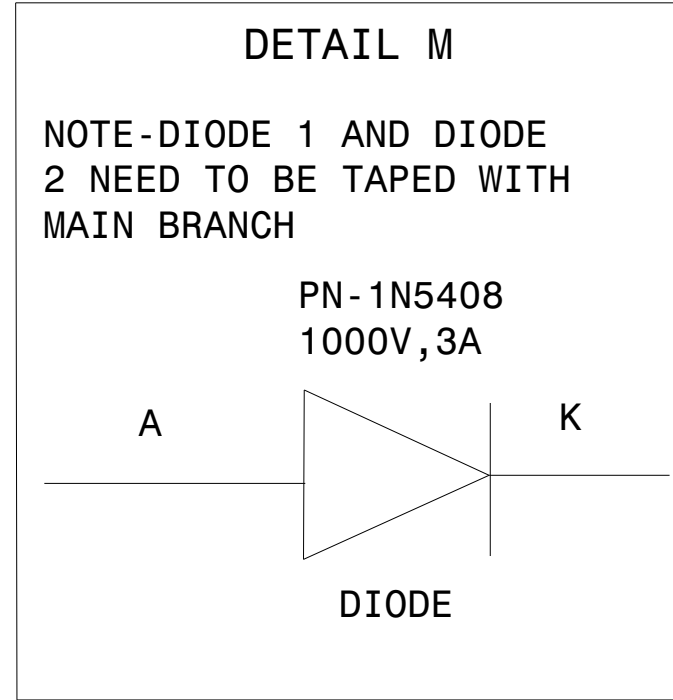
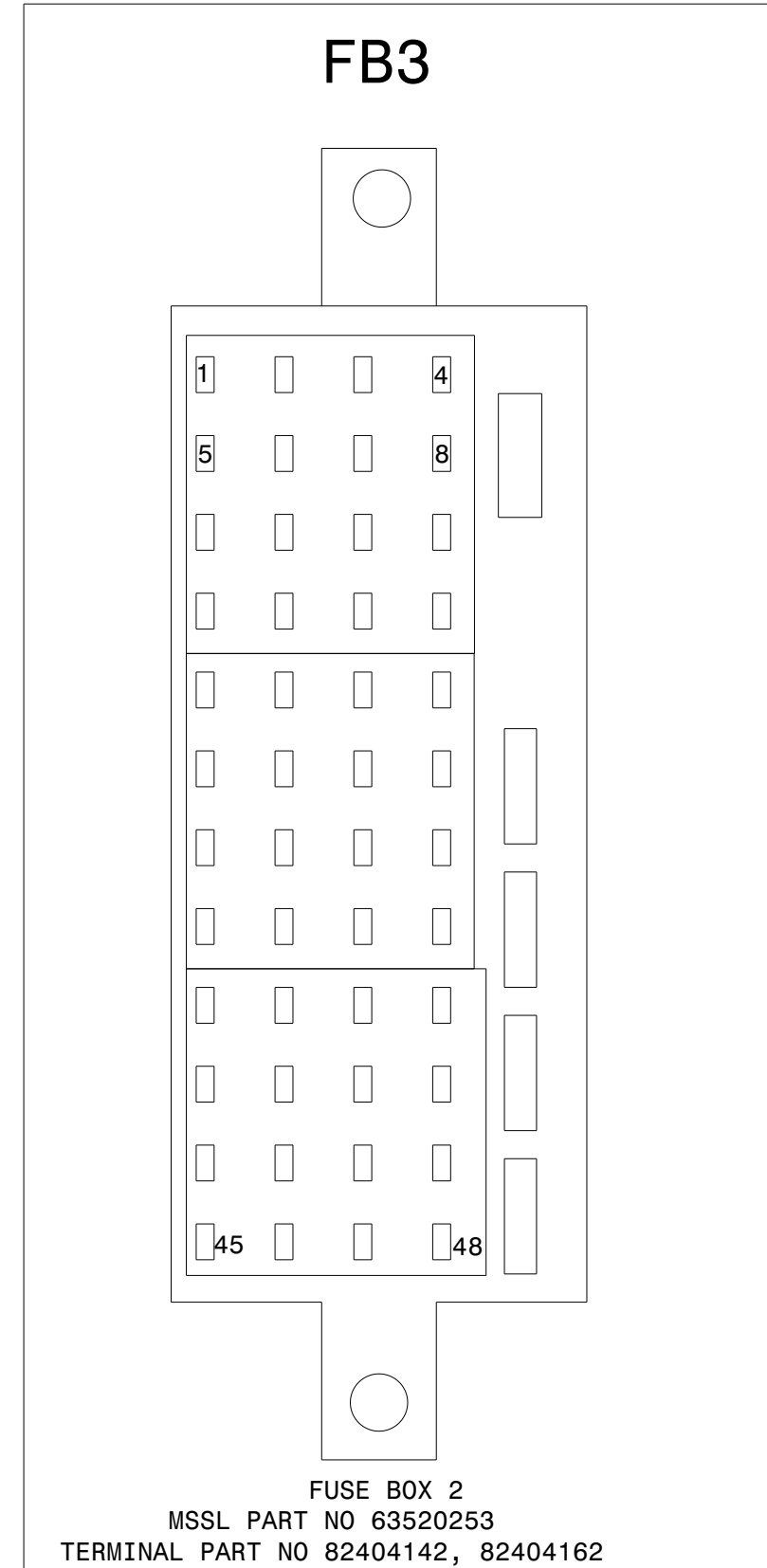


WIRING HARNESS TOLERANCE				
Length	Main Branch	Wire Branch	Single Wire	
	mm	mm	mm	mm
Up to 100	10	10	5	15
Over 100 to 500	15	15	5	20
Over 500 to 1000	20	20	5	25
Over 1000 to 5000	25	25	5	30
Over 5000	30	30	10	40



NOTE:- COT
PUSH AGAINST CONNECTOR



- 1- THE DIMENSION IS FROM THE BACK END OF CONNECTOR.
- 2- " MALE & FEMALE " TERMINOLOGIES ARE TO BE CONSIDERED FOR THE TERMINALS.
- 3- END LABEL(CONNECTOR NAME) REQUIRED AT EACH NODE FOR CONNECTOR IDENTIFICATION.
- 4- HARNESS TO BE DESIGN TO CONFORMITY TO AIS 052.
- 5- CABLES SHOULD BE ACCORDING TO IS/ISO-6722 STANDARD.
- 6- FOR CAN CABLE SHIELDED CABLE TO BE USED.
- 7- SLIT TYPE COT TUBE TO BE USED WITH FULL TAPING.
- 8- APPLICABLE CHILD PARTS TO BE USED WITH THE CONNECTORS.
- 9- USE PVC BLACK ADHESIVE TAPE FOR SPIRAL TAPING ON WIRE BUNCH INSIDE THE CORRUGATION.
- 10- FR GRADE COT TUBE TO BE USED WITH 2 GRADE.
- 11- VIEW OF MULTIPOLE CONNECTORS ARE SHOWN IN THE DIRECTION OF CABLE INSERTION SIDE.
- 12- WIRING HARNESS SHALL BE LABELLED WITH HARNESS DESCRIPTION, PART NO, REVISION AND MANUFACTURING DATE.
- 13- DIMENSIONS ARE IN mm UNLESS SPECIFIED.
- 14- COT/TON TAPING TO BE USED AT ALL NODE OVER CORRUGATED TUBE.
- 15- USE TIN PLATED TERMINAL AS PER SUPPLIER RECOMMENDATION FOR ALL MATING CONNECTORS.
- 16- ADHESIVE HST TO BE USED OVER SPLICES & EYELET TERMINALS.
- 17- WIRE FLAMMABILITY SHOULD BE AS PER IS2485:1994, (DTG PROJECT ONLY).
- 18- COT TUBE TO BE USED TILL 50MM FROM CONNECTOR END, (WHERE BOOT /ADPATOR /HST IS NOT USED).
- 19- WIRE PRINTING FORMAT WILL BE AS BELOW (SAME USED IN DIMTS BS IV).
- 20- REFER CONNECTOR TABLE FOR CONNECTOR CODE.

SL NO.	CONNECTOR CAVITY NO.	WIRE PRINTING CAVITY NO.
1	From 100 to 109	A0 to A9
2	From 110 to 119	B0 to B9
3	From 120 to 129	C0 to C9
4	From 130 to 139	D0 to D9
5	From 140 to 149	E0 to E9
6	From 150 to 159	F0 to F9
7	From 160 to 169	G0 to G9
8	From 170 to 179	H0 to H9
9	From 180 to 189	I0 to I9
10	From 190 to 199	J0 to J9

JBM ELECTRIC VEHICLE PVT LTD			Unspecified Tol.	Scale	Proj. Angle
NTS				A0	1/2
Drawn by	Checked by	Approved by	Weight (Kg)		
10/04/23	10/04/23	10/04/23			
Customer Name			Description		
REAR PANEL WH			Drawing No.		
WH-03856-000					

DATE	Rev. No.	CO NO.	ZONE	NEW DRAWING RELEASE	MODIFICATION	CHK	APP
10/04/23	A1	-	-	NEW DRAWING RELEASE		KK	KK

1		2		3		4		5		6		7		8		9		10		11		12		13		14		15	
CKT NO.	FROM	PIN NO.	CONNECTOR CODE	TO	PIN NO.	CONNECTOR CODE	WIRE COLOR	GAUGE	SIGNAL	CKT NO.	FROM	PIN NO.	CONNECTOR CODE	TO	PIN NO.	CONNECTOR CODE	WIRE COLOR	GAUGE	SIGNAL	CKT NO.	FROM	PIN NO.	CONNECTOR CODE	TO	PIN NO.	CONNECTOR CODE	WIRE COLOR	GAUGE	SIGNAL
101A	NAI02	15		BRANCH FROM 101	1	JO101	BLACK	1.5	GND	306B	PLC1 CAN	4	NA	REAR PANEL-LH ROOF I/C	7	RPLR	ORANGE/BLUE	0.5	CAN2H										
101B	NAI03	15		BRANCH FROM 101	1	JO101	BLACK	1.5	GND	305B	PLC1 CAN	8	NA	REAR PANEL-LH ROOF I/C	8	RPLR	WHITE/BLUE	0.5	CAN2L										
101C	NAI04	12		BRANCH FROM 101	1	JO101	BLACK	1.5	GND	302B	PLC1 CAN	1(SHEILD)	NA	REAR PANEL-LH ROOF I/C	9(SHEILD)	RPLR	GREY	0.5	CAN2 SHEILD GROUND										
101D	NAI04	13		BRANCH FROM 101	1	JO101	BLACK	1.5	GND	101U	PLC1 CAN	6	PLCAN	BRANCH FROM 101	1	JO101	BLACK	1	GROUND										
101E	NAI04	15		BRANCH FROM 101	1	JO101	BLACK	1.5	GND	R10	NAI01	17	NAI01	REAR HV I/C	1	RHVIC	BROWN/YELLOW	1	DRIVE COOLING TANK LEVEL MINIMUM										
201E	BRANCH FROM 201	1	JO201	FAN I/C	2	FANIC	BLACK	2.5	GND FOR PASSENGER AND DRIVER FAN	R11	NAI01	18	NAI01	REAR HV I/C	3	RHVIC	ORANGE/WHITE	1	REAR EMERGENCY SWITCH 1										
60	NAI01	9	NAI01	FB3	37	FB3	RED	1.5	POWER SUPPLY	86	FB3	30	FB3	REAR HV I/C	8	RHVIC	ORANGE	1.5	POWER SUPPLY TO TM4										
61	NAI01	10	NAI01	FB3	37	FB3	RED	1.5	POWER SUPPLY	89	FB3	46	FB3	REAR HV I/C	10	RHVIC	SKY BLUE	1.5	POWER SUPPLY TO INVERTER										
62	NAI02	9	NAI02	FB3	38	FB3	RED	1.5	POWER SUPPLY	92	NAI02	8	NAI02	REAR HV I/C	12	RHVIC	BLUE/RED	1	IGN										
63	NAI02	10	NAI02	FB3	38	FB3	RED	1.5	POWER SUPPLY	95	TM4 EMERGENCY RELAY	86	TM4EM	REAR HV I/C	14	RHVIC	BLACK/ YELLOW	1	TM4 OUTPUT TO TM4 RELAY COIL 86										
64	NAI03	9		REAR PANNEL V BAT	1	VBAT	RED	1.5	POWER SUPPLY	R19	NAI02	18	NAI02	REAR HV I/C	16	RHVIC	BROWN/WHITE	1	CHARGER COVER CLOSED										
64a	NAI03	10		BRANCH FROM 64	1	JOI64	RED	1.5	POWER SUPPLY	CB1	PDU I/C	8	PDUIC	REAR HV I/C	21	RHVIC	RED/YELLOW	1	CONNECT BOX 1 INPUT (HVIL)										
66	NAI04	1		FB3	40	FB3	RED	1.5	POWER SUPPLY	R33	PLC1 SUPPLY	18	PL1SP	REAR HV I/C	7	RHVIC	GREEN/BLUE	1	AIR COMPRESSOR TEMP SENSOR +VE										
67	NAI04	5		FB3	45	FB3	RED	1.5	POWER SUPPLY	R34	PLC1 SUPPLY	8	PL1SP	REAR HV I/C	6	RHVIC	PINK/WHITE	1	AIR COMPRESSOR TEMP SENSOR -VE										
73	FB3	6	FB3	FB3	33,34,35,36	FB3	RED/BLUE	4	OUTPUT SUPPLY TO 33,34,35,36	308	REAR PANEL-LH ROOF I/C	4	RPLR	REAR HV I/C	18	RHVIC	YELLOW	0.5	CAN1 H										
74	FB3	7	FB3	FB3	41,42,43,44	FB3	RED/BLUE	4	OUTPUT SUPPLY TO 41,42,43,44	307	REAR PANEL-LH ROOF I/C	5	RPLR	REAR HV I/C	19	RHVIC	BLUE	0.5	CAN 1 L										
75	FB3	8	FB3	FB3	17,18,19,20	FB3	RED/BLUE	2.5	OUTPUT SUPPLY TO 17,18,19,20	303	REAR PANEL-LH ROOF I/C	6(SHEILD)	NA	REAR HV I/C	20(SHEILD)	RHVIC	BROWN	0.5	CAN 1 SHEILD GROUND										
78	FB3	13	FB3	FB3	25,26,28	FB3	RED/WHITE	2.5	OUTPUT SUPPLY TO 25,26,28	97	FB3	14	FB3	TCS SUPPLY I/C	1	TCSUP	BLUE/WHITE	4	TCS PUMP SUPPLY										
101	NAI01	15	NAI01	GND1	1	GND1	BLACK	1.5	GND	R14	NAI02	2	NAI02	REAR HV I/C	2	RHVIC	BLUE/GREEN	1	SUPPLY TO INNOVANCE PIN F2										
306	REAR PANEL-LH ROOF I/C	7	RPLR	BCS ROOF I/C	8	NA	ORANGE/BLUE	0.5	CAN2 H	CB2	REAR PANEL-LH ROOF I/C	11	RFIC	REAR HV I/C	11	RHVIC	BROWN/GREEN	1	HVIL4										
305	REAR PANEL-LH ROOF I/C	8	RPLR	BCS ROOF I/C	9	NA	WHITE/BLUE	0.5	CAN2 L	101M	RANCH FROM 101	1	JO101	TM4 EMERGENCY RELAY	85	TM4EM	BLACK	1	GROUND FOR RELAY										
302	REAR PANEL-LH ROOF I/C	9(SHEILD)	RPLR	BCS ROOF I/C	10(SHEILD)	NA	GREY	0.5	CAN2 SHEILDGROUND	101P	6002	A	6002	BRANCH FROM 101	1	JO101	BLACK	0.5	GROUND										
R15	NAI02	3	NAI02	BCS ROOF I/C	11	BCSIC	WHITE/BLUE	1	BCS IGNITION	OB	6002	B	6002	FB3	32	FB3	RED	1	SUPPLY										
101K	BRANCH ON 101	1	JO101	BCS ROOF I/C	12	BCSIC	BLACK	1.5	BCS GROUND	308A	6002	H	NA	REAR PANEL-LH ROOF I/C	4	RPLR	YELLOW	0.5	CAN1 H										
101L	BRANCH FROM 101	1	JO101	PDU I/C	2	PDUIC	BLACK	2.5	GROUND FOR FOR NPDU	307A	6002	J	NA	REAR PANEL-LH ROOF I/C	5	RPLR	BLUE	0.5	CAN 1 L										
81	FB3	21	FB3	PDU I/C	11	PDUIC	YELLOW	2.5	300 SUPPLY TO PDU BOX	306D	6002	F	NA	PDU I/C	12	NA	ORANGE/BLUE	0.5	CAN2 H										
82	FB3	22	FB3	PDU I/C	12	PDUIC	GREEN	1	SUPPLY TO NPDU I01	305D	6002	G	NA	PDU I/C	13	NA	WHITE/BLUE	0.5	CAN2 L										
83	FB3	23	FB3	PDU I/C	13	PDUIC	WHITE	1	SUPPLY TO NPDU I02	101W	6002	E	NA	BRANCH FROM 101	1	NA	BLACK	0.5	SHEILD GND										
84	FB3	24	FB3	PDU I/C	14	PDUIC	GREY	1	SUPPLY TO NPDU I03	R24A	RPAS	1	RPAS	BRANCH FROM R24	1	JOR24	BLACK/WHITE	1	R PASS SUPPLY										
85	FB3	29	FB3	PDU I/C	5	PDUIC	VIOLET	1	SUPPLY TO NPDU I04	101N	RPAS	2	RPAS	BRANCH ON 101	1	JO101	BLACK	1	R PASS GROUND										
90	FB3	47	FB3	PLC1 CAN	5	PLC1C	ORANGE/WHITE	1	PLC CARD SUPPLY	F75	REAR HV I/C	17	RHVIC	REAR PANEL-LH ROOF I/C	15	RPLR	GREEN	1.5	TCS PWM										
R1	NAI01	1	NAI01	REAR COMPARTMENT I/C	1	RCPIC	BLACK/WHITE	1	REAR BRAKE LIGHT LEFT	PD3	TM4 EMERGENCY RELAY	87	TM4EM	PDU I/C	19	PDUIC	GREEN/BLUE	1	K12I										
R2	NAI01	2	NAI01	REAR COMPARTMENT I/C	2	RCPIC	BLACK/WHITE	1	REAR BRAKE LIGHT RIGHT	PD4	TM4 EMERGENCY RELAY	30	TM4EM	PDU I/C	20	PDUIC	YELLOW/RED	1	K12O										
R5	NAI02	4	NAI02	REAR COMPARTMENT I/C	5	RCPIC	BLACK/WHITE	1	REVERSE LAMP LEFT	101G	BRANCH FROM 101	1	JO101	REAR PANEL-LH ROOF I/C	19	RPLR	BLACK	2.5	ECU GROUND										
R6	NAI01	6	NAI01	REAR COMPARTMENT I/C	6	RCPIC	BLACK/WHITE	1.5	REVERSE LAMP RIGHT AND LEFT	201D	BRANCH FROM 201	1	JO201	REAR PANEL-LH ROOF I/C	18	RPLR	BLACK	2.5	GROUND										
R7	NAI01	7	NAI01	REAR COMPARTMENT I/C	7	RCPIC	GREEN/WHITE	1	REAR TURN INDICATOR LAMP LEFT	90A	BRANCH FROM 90	+	JO190	PLC BOX I/C	+	PLB0X	ORANGE/WHITE	+	HVMB BOX SUPPLY										
R8	NAI01	8	NAI01	REAR COMPARTMENT I/C	8	RCPIC	GREEN/BLACK	1	REAR TURN INDICATOR LAMP RIGHT	201K	BRANCH FROM 201	+	JO201	PLC BOX I/C	+	PLB0X	BLACK	+	GROUND										
R20	FB3	32	FB3	REAR COMPARTMENT I/C	10	RCPIC	BROWN/WHITE	1.5	ENGINE COMPARTMENT LIMIT SWITCH	906A	B6S ROOF I/C	9	NA	PLC BOX I/C	9	NA	ORANGE/BLUE	0.5	CAN2 H										
R24	NAI02	1	NAI02	REAR COMPARTMENT I/C	12	RCPIC	BLACK/WHITE	1	REVERSE BUZZER	905A	B6S ROOF I/C	9	NA	PLC BOX I/C	4	NA	WHITE/BLUE	0.5	CAN2 L										
L2	NAI02	22	NAI02	REAR COMPARTMENT I/C	17	RCPIC	RED/BLUE	1	LIMIT SWITCH SIGNAL TO MUX	902A	B6S ROOF I/C	10(SHEILD)	NA	PLC BOX I/C	5	NA	BROWN	0.5	CAN 2 SHEILD GROUND										
88A	NAI02	20	NAI02	REAR COMPARTMENT I/C	16	RCPIC	BLACK/BLUE	1.5	POWER SUPPLY TO REAR COMPARTMENT LAMP	308B	REAR HV I/C 1	18	NA	TCS CAN	A	NA	YELLOW	0.5	CAN1 H FOR TCS CAN										
201	GND 2	1	GND 2	REAR COMPARTMENT I/C	16	RCPIC	BLACK	2.5	GND	307B	REAR HV I/C 1	19	NA	TCS CAN	B	NA	BLUE	0.5	CAN 1 L FOR TCS CAN										
310	NACAN	1	NA	REAR PANEL-LH ROOF I/C	1	RPLR	ORANGE	0.5	CAN0 H	303A	REAR HV I/C 1	20	NA	TCS CAN	C	NA	BROWN	0.5	CAN 1 SHEILD GROUND FOR TCS CAN										
309	NACAN	2	NA	REAR PANEL-LH ROOF I/C	2	RPLR	WHITE	0.5	CAN0 L	BC1	NAI01	16	NAI01	BCS ROOF I/C	13	BCSIC	GREEN/WHITE	1	BATTERY COOLING TANK LEVEL										
301A	NACAN	3(SHEILD)	NA	REAR PANEL-LH ROOF I/C	3(SHEILD)	RPLR	BLACK	0.5	CAN0 SHEILDGROUND	TC1	TCS RELAY I/P BUS	1	TCS1P	TCS RELAY INPUT	1	TCSOP	RED	10	TCS RELAY INPUT										
D3	NACAN	6	NACAN	REAR PANEL-LH ROOF I/C	13	RPLR	GREY	1	WAKE UP 1	TC2	NAI02	5	NAI02	TCS RELAY	1	TCREL	RED	1	RELAY SUPPLY										
68	FB3	1	FB3	RSP1	1	RSP1	RED	4	CONNECTED TO BUS BAR	201G	BRANCH FROM 201	1	JO201	TCS RELAY	2	TORL	BLACK	1	RELAY GROUND										
69	FB3	2	FB3	RSP2	1	RSP2	RED	4	CONNECTED TO BUS BAR	SPRE2	FB3	48	FB3	SPARE CONNECTOR FOR SWITCH	1	SPSWT	BLUE/WHITE	1	SPARE CONNECTOR POSITIVE										
70	FB3	3	FB3	RSP3	1	RSP3	RED	4	CONNECTED TO BUS BAR	SPRE3	SPARE CONNECTOR FOR SWITCH	2	SPSWT	SPARE RELAY	86	SPREL	WHITE	1	SPARE RELAY CONTROL										
71	FB3	4	FB3	RSP4	1	RSP4	RED	4	CONNECTED TO BUS BAR	SPRE4	SPARE RELAY	87	SPREL	SPARE RELAY OUTPUT	1	SPOUT	GREEN	2.5	SPARE RELAY OUTPUT										
76	FB3	10	FB3	RSP5	1	RSP5	RED	4	CONNECTED TO BUS BAR	101R	SPARE RELAY	85	SPREL	BRANCH FROM 101	1	JO101	BLACK	1	SPARE RELAY COIL GROUND										
77	FB3	10	FB3	TCS RELAY OUTPUT	1	TCOUT	BLUE	4	TCS PUMP SUPPLY	101Q	BRANCH FROM 101	1	JO101	SPARE RELAY OUTPUT	2	SPOUT	BLACK	2.5	SPARE RELAY OUTPUT -VE										
101F	NACAN	8	NACAN	BRANCH FROM 101	1	JO101	BLACK	1	GND	SPREL	SPARE RELAY	30	SPREL	BRANCH FROM 97	1	BRF97	RED	2.5	SPARE RELAY THROUGH FUSE INPUT										
D3G	BRANCH ON D3	1	JO1D3	PDU I/C	7	PDUIC	GREY	1	WAKE UP	R16A	BRANCH FROM R16	1	BRF16	DIODE 1	K	DIOD1	BLACK/RED	1.5	DIODE FOR AIR COMPRESSOR										
D3K	BRANCH ON D3	1	JO1D3	PLC1 CAN	2	PLCAN	GREY	1	WAKE UP	201K1	BRANCH FROM 201	1	JO201	DIODE 1	A	DIOD1	BLACK/GREEN	1.5	DIODE FOR AIR COMPRESSOR										
310A	REAR PANEL-LH ROOF I/C	1	RPLR	PDU I/C	9	PDUIC	ORANGE	0.5	CAN0 H	R17A	BRANCH FROM R17	1	BRF17	DIODE 2	K	DIOD2	BLACK/BLUE	1.5	DIODE FOR STEERING MOTOR										
309A	REAR PANEL-LH ROOF I/C	2	RPLR	PDU I/C	10	PDUIC	WHITE	0.5	CAN0 L	201K2	BRANCH FROM 201	1	JO201	DIODE 2	A	DIOD2	BLACK/WHITE	1.5	DIODE FOR STEERING MOTOR										
301	REAR PANEL-LH ROOF I/C	3(SHEILD)	RPLR	PDU I/C	11(SHEILD)	PDUIC	BLACK	0.5	CAN0 SHEILDGROUND	420	REAR PANEL-LH ROOF I/C	20	RPLR	PDU I/C	18	PDUIC	BLACK	1.5	TELEMATIC GND										
PL1	PLC1 SUPPLY	15	PL1SP	CHARGING SOCKET I/C	1	CSIC	RED	1	GUN MOTOR +VE	CKT NO	FROM	PIN NO.	CONNECTOR CODE	TO	PIN NO.	CONNECTOR CODE	WIRE COLOR	GAUGE	SIGNAL										
PL4	PLC1 SUPPLY	14	PL1SP	CHARGING SOCKET I/C	2	CSIC	BLACK	1																					