

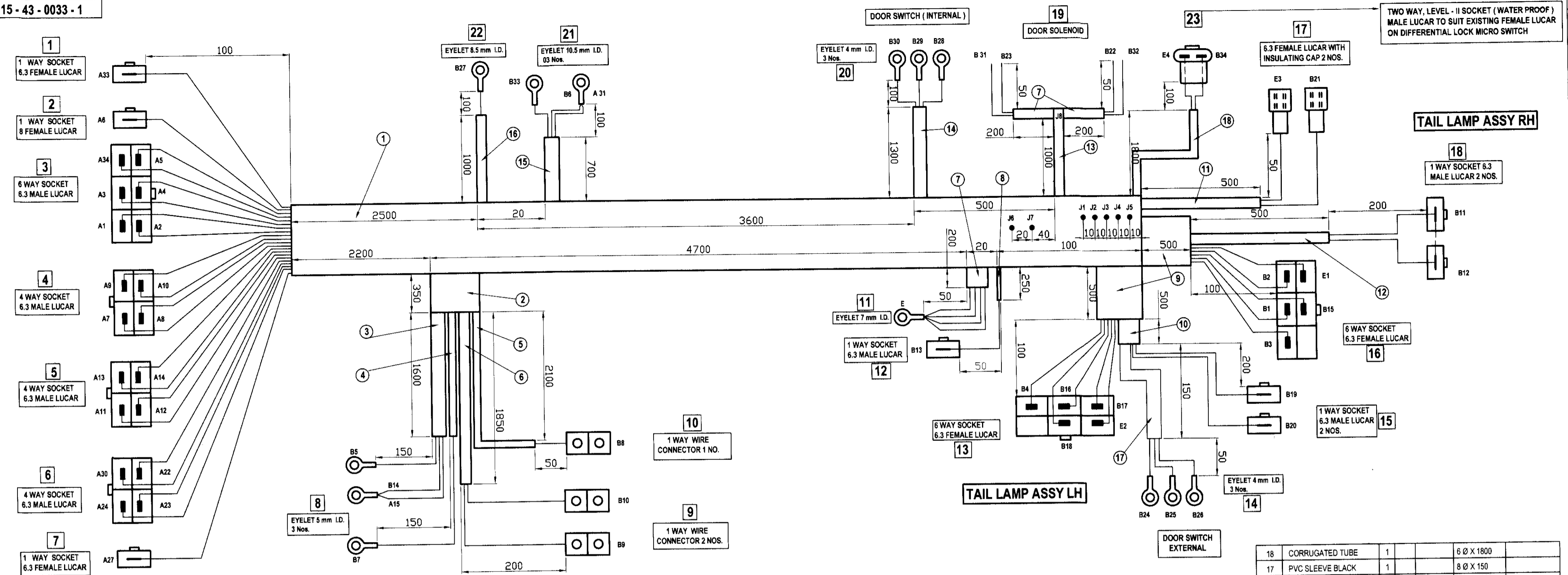
5	PVC SLEEVE BLACK	1			4 Ø X 400	
4	CORRUGATED TUBE	1			8 Ø X 700	
3	CORRUGATED TUBE	1			6 Ø X 300	
2	CORRUGATED TUBE	1			25 Ø X 400	
1	CORRUGATED TUBE	1			30 Ø X 3150	
ITEM	DESCRIPTION	QTY.	MAT.	STD.	SIZE/WT.	REMARKS

S.NO	CABLE NO	COLOUR	CABLE SIZE (Sq.mm)	LENGTH (MM)	TERMINAL 'A'	TERMINAL 'B'	CIRCUIT	FROM	TO
1	L1 - L2	WHITE	16.0	2600	EYELET 10.5 mm ID	EYELET 8.5 mm ID	+ B FROM ALTERNATOR	EYELET NO: 6	EYELET NO: 8
2	+ B - + B'	RED	10.0	2150	9 FEMALE LUCAR	EYELET 10.5 mm ID	+ B TO IGN. SWITCH	SOCKET NO.: 2	EYELET NO: 6
3	A1 - B1	ORANGE / GREEN	0.75	3550	6.3 FEMALE LUCAR	6.3 FEMALE LUCAR	RPM	SOCKET NO.: 1	SOCKET NO.: 10
4	A2 - B2	BLUE / WHITE	0.75	3550	6.3 FEMALE LUCAR	6.3 FEMALE LUCAR	PILOT	SOCKET NO.: 1	SOCKET NO.: 10
5	A3 - B3	WHITE	0.75	3800	6.3 FEMALE LUCAR	6.3 FEMALE LUCAR	TEMP. SENSOR	SOCKET NO.: 1	FEMALE LUCAR : 11
6	A4 - B4	BLUE / YELLOW	0.75	3200	6.3 FEMALE LUCAR	6.3 FEMALE LUCAR	W/L OIL PRESSURE	SOCKET NO.: 1	FEMALE LUCAR : 5
7	A5 - B5	WHITE / BLUE	2.5	3600	8 FEMALE LUCAR	SOLDERED END	SUMP HEATER	SOCKET NO.: 4	SOLDERED END: 7
8	E - J2	BROWN	10.0	1600	9 MALE LUCAR	JOIN WITH E 1 - E 2	EARTH (MAIN)	SOCKET NO.: 3	JUNCTION J 2
9	E 1 - E 2	BROWN	16.0	2600	EYELET 10.5 mm I.D.	EYELET 6.5 mm I.D.	EARTH ALTERNATOR	EYELET NO: 6	EYELET NO: 9
10	J 1 - E 3	BROWN	2.5	800	JOIN WITH E 1 - E 2	SOLDERED END	EARTH SUMP HEATER	JUNCTION J 1	SOLDERED END 13
11	A 6 - B 6	BLUE / YELLOW	1.0	100	6.3 FEMALE LUCAR	6.3 FEMALE LUCAR	LOW O. Pr. AUDIO / VIDEO	FEMALE LUCAR : 5	FEMALE LUCAR : 12

NOTES:-

- ALL AUTO CABLES SHOULD BE PREINSULATED AS PER IS: 2465 - 1984 & BS: 6862 - Pt-1 - 1971 / DIN 72551 - PART - 6. FINOLEX / V - GUARD MAKE ONLY TO BE USED.
 - CABLE SIZE & COLOUR CODE AS PER TABLE. SHADE NUMBER FOR THE COLOURS AS PER IS: 13313 - 1991
 - CABLES SHOULD CONFIRM TO MATERIALS SECTION - 2 & CONSTRUCTION SECTION - 3 OF IS: 2465-1984 / DIN 72551 - PART - 6.
 - CORRUGATED TUBE AS SHOWN TO BE USED MATL. POLYPROPYLENT CORRUGATED TUBE SHOULD BE COVERED FULLY WITH PVC BLACK ADHESIVE TAPE AT JUNCTION POINTS, ENDS OF TUBE & AT INTERMEDIATE POINTS AT A DISTANCE OF 200 mm, & SHOULD WORK AT OPERATING TEMPERATURE RANGE - 40 TO +105 Deg. Centigrade.
 - MULTICABLE SOCKETS & TERMINALS USED WITH MULTI CABLE SOCKET SHOULD CONFIRM TO JASO:00605-1974
 - PERMISSIBLE TOLERANCES:
 LENGTH OF CABLE: UPTO 500 500 TO 1000 1000 TO 2000 >2000
 TOLERANCE: +10/-0 +20/-0 +30/-0 +3% / -0 (OF LENGTH)
 - INSPECTION: TEST CERTIFICATES FROM A GOVT. APPROVED AGENCY FOR THE FOLLOWING PARAMETERS TO BE SUBMITTED ALONG WITH HARNESS.
- | TEST TO BE CONDUCTED | EXPECTED RESULTS |
|---|---------------------------------------|
| 01. VOLTAGE TEST (1 KV AC FOR 30 MINUTES FOLLOWED BY GRADUAL INCREASE UPTO 5 KV) | WITHSTANDS |
| 02. VOLUME RESISTIVITY AT 70 Deg. Centigrade. | 1 X 10 ⁻⁹ ohm - cm MINIMUM |
| 03. THERMAL OVERLOAD(HEAT SHOCK TEST)
(120 Deg. Centigrade FOR 48 Hrs.FOLLOWED BY VOLTAGE TEST AT 1 KV AC) | NO BREAKDOWN OF INSULATION |
| 04. SHRINKAGE (150 Deg. Centigrade FOR 15 MINUTES) | DEPTH OF INDENTATION 50 % MAXIMUM |
- PACKING: EACH LOOM SHOULD BE SUPPLIED IN SEPARATE PACKING.
 - GUARANTEE: THE SUPPLIER SHOULD GIVE GUARANTEE FOR ONE YEAR FROM THE DATE OF INSTALLATION OF HARNESS ON THE VEHICLE WHICH EVER IS LATER.
 - IDENTIFICATION SLEEVES (CIRCUIT) AS SHOWN IN TABLE TO BE PROVIDED ON BOTH A & B TERMINALS.
 - SOCKETS ARE SHOWN AS VIEWED FROM CABLE ENTRY SIDE.
 - ALL DIMENSIONS ARE IN mm.

INDEX		ALTERATION		DATE	WM/BS	JWM/VDO	JWM/MPV
JLGM / VS	WM / BS	JWM / VDO	DGM / VA	JWM / SA	CKD - C. SINGH	DRN D. K. VISHWAKARMA	QTY. :- 01 / VEH.
DIMENS.	TOL.	DIMENS.	TOL.	ENGINE HARNESS (MPV, BS - III)			
0 - 30	±0.1	800-2000	±0.5				
30 - 250	±0.2	>2000	±0.8				
250-800	±0.3			GENERAL TOLERANCE THIRD ANGLE PROJECTION			
VDO		VEHICLE FACTORY JABALPUR		NEW DRAWING		NTS SCALE	
				REF. DRG. NO.		10/02/11	
				REF. DEMAND NO.		DATE	
				115 - 43 - 0032 - 1		1/1	
				DRG. NO.		SHTS	



S.NO	CABLE NO	COLOUR	CABLE SIZE Sq.mm	LENGTH MM	TERMINAL 'A'	TERMINAL 'B'	CIRCUIT	FROM	TO
34	A 31 - B 31	BROWN	1.0	6150	EYELET 10.5 mm I.D.	SOLDERED END	EARTH SOLENOID	EYELET No. 21	EYELET No. 19
35	J 8 - B 32	BROWN	1.0	250	JOIN WITH A31-B31	EYELET 7 mm I.D.	EARTH SOLENOID	J 8	EYELET No. 19
36	A 33 - B 33	WHITE / BLUE	1.5	3420	6.3 FEMALE LUCAR	EYELET 10.5 mm I.D.	+ B DOOR BONNET	SOCKET No. 1	EYELET No. 21
37	A 34 - B 34	BROWN / YELLOW	0.75	9020	6.3 MALE LUCAR	MALE LUCAR	- VE TO W/L LOCK	SOCKET No. 3	SOCKET No. 23
38	E - E 4	BROWN	0.75	2270	EYELET 7mm I.D.	MALE LUCAR	EARTH TO DLOCK SW	EYELET No. 11	SOCKET No. 23

S.NO	CABLE NO	COLOUR	CABLE SIZE Sq.mm	LENGTH MM	TERMINAL 'A'	TERMINAL 'B'	CIRCUIT		
1	A1 - B1	GREY / RED	0.75	7720	6.3 MALE LUCAR	6.3 FEMALE LUCAR	PARKING RH	SOCKET No. 3	SOCKET No. 16
2	A2 - B2	RED / BLACK	0.75	7720	6.3 MALE LUCAR	6.3 FEMALE LUCAR	STOP LIGHT RH	SOCKET No. 3	SOCKET No. 18
3	A3 - B3	BLUE	0.75	7720	6.3 MALE LUCAR	6.3 FEMALE LUCAR	TURN SIGNAL RH	SOCKET No. 3	SOCKET No. 16
4	A4 - B4	GREEN	0.75	7720	6.3 MALE LUCAR	6.3 FEMALE LUCAR	TURN SIGNAL LH	SOCKET No. 3	SOCKET No. 13
5	A5 - B5	ORANGE / GREEN	1.0	4400	6.3 MALE LUCAR	6.3 FEMALE LUCAR	EYELET 5 mm ID	SOCKET No. 3	EYELET No. 8
6	A6 - B6	BROWN	1.0	3420	8 FEMALE LUCAR	EYELET 10.5 mm I.D.	EARTH BONNET SOLENOID	SOCKET No. 2	EYELET No. 21
7	A7 - B7	BLUE / BLACK	0.75	4400	6.3 MALE LUCAR	EYELET 5 mm ID	FUEL TANK	SOCKET No. 4	EYELET No. 8
8	A8 - B8	YELLOW / GREEN	0.5	4800	6.3 MALE LUCAR	SOLDERED END	DIFF LOCK	SOCKET No. 4	WIRE CONN. 10
9	A9 - B9	YELLOW	0.5	4700	6.3 MALE LUCAR	SOLDERED END	4 X 4 HIGH	SOCKET No. 4	WIRE CONN. 9
10	A10 - B10	YELLOW / RED	0.5	4700	6.3 MALE LUCAR	SOLDERED END	4 X 4 LOW	SOCKET No. 4	WIRE CONN. 9
11	A11 - B11	RED	0.5	8320	6.3 MALE LUCAR	6.3 MALE LUCAR	B.O. STOP LAMP	SOCKET No. 5	SOCKET No. 18
12	A12 - B12	GREY	0.5	8320	6.3 MALE LUCAR	6.3 MALE LUCAR	B.O. TAIL LAMP	SOCKET No. 5	SOCKET No. 18
13	A13 - B13	BLUE / WHITE	0.5	7320	6.3 MALE LUCAR	6.3 MALE LUCAR	AXLE FLOOD LAMP	SOCKET No. 5	SOCKET No. 12
14	A14 - B14	ORANGE / BLUE	0.5	4400	6.3 MALE LUCAR	EYELET 5 mm ID	W/L REVERSE	SOCKET No. 5	EYELET No. 8
15	A15 - B15	ORANGE	0.5	7520	6.3 FEMALE LUCAR	EYELET 5 mm I.D.	REVERSE LAMP RH	EYELET No. 8	SOCKET No. 16
16	E - E1	BROWN	0.75	970	EYELET 7mm I.D.	6.3 FEMALE LUCAR	EARTH T/L RH	EYELET No. 11	SOCKET No. 16
17	E - E2	BROWN	0.75	970	EYELET 7mm I.D.	6.3 FEMALE LUCAR	EARTH T/L LH	EYELET No. 11	SOCKET No. 16
18	E - E3	BROWN	0.5	920	EYELET 7mm I.D.	6.3 FEMALE LUCAR	EARTH REV BUZZER	EYELET No. 11	FEMALE LUCAR 17
19	J1 - B16	GREY / RED	0.5	650	JOIN WITH A1-B1	6.3 FEMALE LUCAR	PARKING LH	J1	SOCKET No. 13
20	J2 - B17	RED / BLACK	0.5	640	JOIN WITH A2-B2	6.3 FEMALE LUCAR	STOP LIGHT LH	J2	SOCKET No. 13
21	J3 - B18	ORANGE	0.5	630	JOIN WITH A15-B15	6.3 FEMALE LUCAR	REVERSE LAMP LH	J3	SOCKET No. 13
22	J3 - B21	ORANGE	0.5	580	JOIN WITH A15-B15	6.3 FEMALE LUCAR	REVERSE BUZZER	J3	FEMALE LUCAR 17
23	J4 - B19	RED	0.5	1220	JOIN WITH A11-B11	6.3 MALE LUCAR	B.O. STOP LAMP	J4	SOCKET No. 17
24	J5 - B20	GREY	0.5	1210	JOIN WITH A12-B12	6.3 MALE LUCAR	B.O. TAIL LAMP	J5	SOCKET No. 17
25	A 22 - B 22	ORANGE / WHITE	1.0	7950	6.3 MALE LUCAR	SOLDERED END	SOLENOID DOOR	SOCKET No. 6	DOOR SOLENOID 19
26	A 23 - B 23	ORANGE / YELLOW	1.0	7950	6.3 MALE LUCAR	SOLDERED END	SOLENOID DOOR	SOCKET No. 6	DOOR SOLENOID 19
27	A 24 - B 24	GREEN / BLACK	1.0	8320	6.3 MALE LUCAR	EYELET 4 mm I.D.	+ B DOOR SW. (EXT.)	SOCKET No. 6	EYELET No. 14
28	J 6 - B 25	ORANGE / WHITE	1.0	1680	JOIN WITH A22-B22	EYELET 4 mm I.D.	REAR DOOR SW. (EXT.)	J6	EYELET No. 14
29	J 7 - B 26	ORANGE / YELLOW	1.0	1660	JOIN WITH A23-B23	EYELET 4 mm I.D.	REAR DOOR SW. (EXT.)	J7	EYELET No. 14
30	A 27 - B 27	RED	1.5	3700	6.3 FEMALE LUCAR	EYELET 6.5 mm I.D.	+ B P. A. SYSTEM	SOCKET No. 7	EYELET No. 22
31	J 6 - B 28	ORANGE / WHITE	1.0	1640	JOIN WITH A22-B22	EYELET 4 mm I.D.	REAR DOOR SW. (INT.)	J6	EYELET No. 20
32	J 7 - B 29	ORANGE / YELLOW	1.0	1860	JOIN WITH A23-B23	EYELET 4 mm I.D.	REAR DOOR SW. (INT.)	J7	EYELET No. 20
33	A 30 - B 30	WHITE / BLUE	1.0	7600	6.3 MALE LUCAR	EYELET 4 mm I.D.	+ B DOOR SWITCH INTERNAL	SOCKET No. 6	EYELET No. 20

ITEM	DESCRIPTION	NO. OFF	MAT.	STD.	SIZE/WT.	REMARKS
18	CORRUGATED TUBE	1			6 Ø X 1800	
17	PVC SLEEVE BLACK	1			8 Ø X 150	
16	PVC SLEEVE BLACK	1			6 Ø X 1000	
15	PVC SLEEVE BLACK	1			8 Ø X 700	
14	PVC SLEEVE BLACK	1			8 Ø X 1300	
13	PVC SLEEVE BLACK	1			8 Ø X 1000	
12	PVC SLEEVE BLACK	1			6 Ø X 500	
11	PVC SLEEVE BLACK	1			6 Ø X 500	
10	PVC SLEEVE BLACK	1			8 Ø X 500	
9	PVC SLEEVE BLACK	2			14 Ø X 500	
8	CORRUGATED TUBE	1			4 Ø X 250	
7	CORRUGATED TUBE	3			8 Ø X 200	
6	CORRUGATED TUBE	1			6 Ø X 1850	
5	CORRUGATED TUBE	1			4 Ø X 2100	
4	PVC SLEEVE BLACK	1			4 Ø X 1800	
3	CORRUGATED TUBE	1			8 Ø X 1600	
2	CORRUGATED TUBE	1			12 Ø X 350	
1	CORRUGATED TUBE	1			16 Ø X 7020	

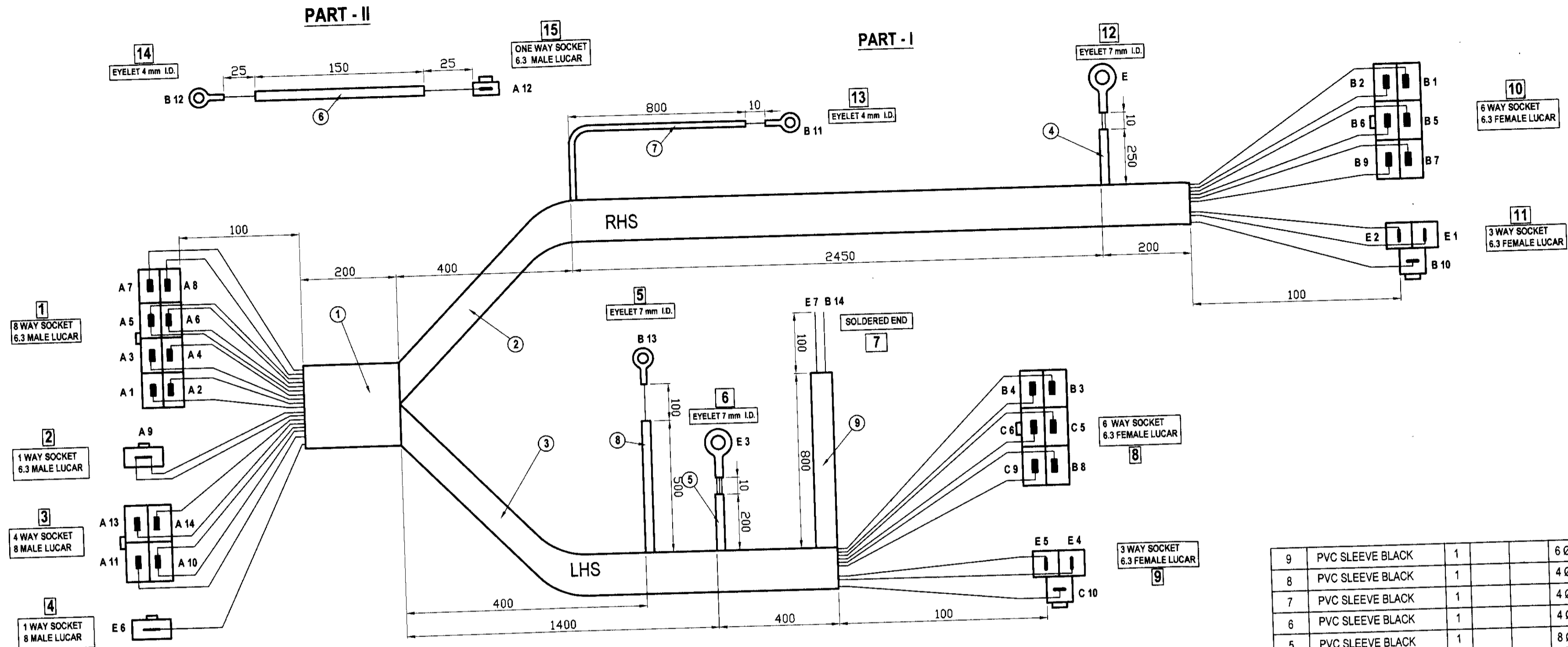
NOTES:

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- CORRUGATED TUBE AS SHOWN TO BE USED MATL. POLYPROPYLENT CORRUGATED TUBE SHOULD BE COVERED FULLY WITH PVC BLACK ADHESIVE TAPE AT JUNCTION POINTS, ENDS OF TUBE & AT INTERMEDIATE POINTS AT A DISTANCE OF 200 mm, & SHOULD WORK AT OPERATING TEMPERATURE RANGE - 40 TO +105 Deg. Centigrade.
- MULTICABLE SOCKETS & TERMINALS USED WITH MULTI CABLE SOCKET SHOULD CONFIRM TO JASO:00605-1974
- PERMISSIBLE TOLERANCES:
LENGTH OF CABLE: UPTO 500 500 TO 1000 1000 TO 2000 >2000
TOLERANCE: +10 / -0 +20 / -0 +30 / -0 +3 % / -0 (OF LENGTH)
- INSPECTION - TEST CERTIFICATES FROM A GOVT. APPROVED AGENCY FOR THE FOLLOWING PARAMETERS TO BE SUBMITTED ALONG WITH HARNESS.

TEST TO BE CONDUCTED	EXPECTED RESULTS
01. VOLTAGE TEST (1 KV AC FOR 30 MINUTES FOLLOWED BY GRADUAL INCREASE UPTO 5 KV)	WITHSTANDS
02. VOLUME RESISTIVITY AT 70 Deg. Centigrade.	1 X 10 ¹⁰ ohm - cm MINIMUM
03. THERMAL OVERLOAD (HEAT SHOCK TEST) (120 Deg. Centigrade FOR 48 Hrs.FOLLOWED BY VOLTAGE)	NO BREAKDOWN OF INSULATION
TEST AT 1 KV AC	
04. SHRINKAGE (150 Deg. Centigrade FOR 15 MINUTES)	DEPTH OF INDENTATION 50 % MAXIMUM

- PACKING: EACH LOOM SHOULD BE SUPPLIED IN SEPARATE PACKING.
- GUARANTEE: THE SUPPLIER SHOULD GIVE GUARANTEE FOR ONE YEAR FROM THE DATE OF INSTALLATION OF HARNESS ON THE VEHICLE WHICH EVER IS LATER.
- IDENTIFICATION SLEEVES (CIRCUIT) AS SHOWN IN TABLE TO BE PROVIDED ON BOTH A & B TERMINALS.
- SOCKETS ARE SHOWN AS VIEWED FROM CABLE ENTRY SIDE.
- ALL DIMENSIONS ARE IN mm.

INDEX	ALTERATION	DATE	WM/BS	JWM/VDO	JWMPV
APPD. BY 					
JLG/VS DIMENS. TOL. 0 - 30 ±0.1 800-2000 ±0.5 30 - 250 ±0.2 >2000 ±0.8 250-800 ±0.3		WM/BS DIMENS. TOL. 0 - 30 ±0.1 800-2000 ±0.5 30 - 250 ±0.2 >2000 ±0.8 250-800 ±0.3		JWM/VDO DIMENS. TOL. 0 - 30 ±0.1 800-2000 ±0.5 30 - 250 ±0.2 >2000 ±0.8 250-800 ±0.3	
REAR HARNESS (MPV, BS - III)					
GENERAL TOLERANCE THIRD ANGLE PROJECTION 		NEW DRAWING REF.DRG. NO.		NTS SCALE 30 / 12 / 10 DATE 1/1 SHTS	
V D O		VEHICLE FACTORY JABALPUR		115 - 43 - 0033 - 1 DRG. NO.	



S.NO	CABLE NO	COLOUR	CABLE SIZE Sq.mm	LENGTH MM	TERMINAL "A"	TERMINAL "B" & "C"	CIRCUIT	FROM	TO
1	A 1 - B 1	WHITE	0.75	3450	6.3 MALE LUCAR	6.3 FEMALE LUCAR	H/L HIGH BEAM RH	SOCKET No. 1	SOCKET No. 10
2	A 2 - B 2	YELLOW	0.75	3450	6.3 MALE LUCAR	6.3 FEMALE LUCAR	H/L LOW BEAM RH	SOCKET No. 1	SOCKET No. 10
3	A 3 - B 3	WHITE	0.75	2200	6.3 MALE LUCAR	6.3 FEMALE LUCAR	H/L HIGH BEAM LH	SOCKET No. 1	SOCKET No. 8
4	A 4 - B 4	YELLOW	0.75	2200	6.3 MALE LUCAR	6.3 FEMALE LUCAR	H/L LOW BEAM LH	SOCKET No. 1	SOCKET No. 8
5	A 5 - B 5	GREY / RED	0.5	3450	6.3 MALE LUCAR	6.3 FEMALE LUCAR	PARKING RH	SOCKET No. 1	SOCKET No. 10
6	A 6 - B 6	WHITE / RED	0.5	3450	6.3 MALE LUCAR	6.3 FEMALE LUCAR	B.O. HEAD LAMP	SOCKET No. 1	SOCKET No. 10
7	A 7 - B 7	BLUE	0.5	3450	6.3 MALE LUCAR	6.3 FEMALE LUCAR	TURN SIGNAL RH	SOCKET No. 1	SOCKET No. 10
8	A 8 - B 8	GREEN	0.5	2200	6.3 MALE LUCAR	6.3 FEMALE LUCAR	TURN SIGNAL LH	SOCKET No. 1	SOCKET No. 8
9	A 9 - B 9	RED	0.5	3450	6.3 MALE LUCAR	6.3 FEMALE LUCAR	FOG LAMP	SOCKET No. 2	SOCKET No. 10
10	A 10 - B 10	BROWN / YELLOW	1.0	3450	6.3 MALE LUCAR	6.3 FEMALE LUCAR	ELECTRIC HORN RH	SOCKET No. 3	SOCKET No. 11
11	A 11 - B 11	PINK	0.5	1510	6.3 MALE LUCAR	EYELET 4mm I.D.	ENGINE LAMP	SOCKET No. 3	EYELET No. 13
12	A 5 - C 5	GREY / RED	0.5	2200	6.3 MALE LUCAR	6.3 FEMALE LUCAR	PARKING LH	SOCKET No. 1	SOCKET No. 8
13	A 6 - C 6	WHITE / RED	0.5	2200	6.3 MALE LUCAR	6.3 FEMALE LUCAR	B.O. HEAD LAMP	SOCKET No. 1	SOCKET No. 8
14	A 9 - C 9	RED	0.5	2200	6.3 MALE LUCAR	6.3 FEMALE LUCAR	FOG LAMP	SOCKET No. 3	SOCKET No. 8
15	A 10 - C 10	BROWN / YELLOW	1.0	2200	6.3 MALE LUCAR	6.3 FEMALE LUCAR	ELECTRIC HORN LH	SOCKET No. 3	SOCKET No. 9
16	E - E 1	BROWN	1.0	560	EYELET 7mm I.D.	6.3 FEMALE LUCAR	EARTH	EYELET No. 12	SOCKET No. 11
17	E - E 2	BROWN	1.0	560	EYELET 7mm I.D.	6.3 FEMALE LUCAR	EARTH	EYELET No. 12	SOCKET No. 11
18	E 3 - E 4	BROWN	1.0	710	EYELET 7mm I.D.	6.3 FEMALE LUCAR	EARTH	EYELET No. 6	SOCKET No. 9
19	E 3 - E 5	BROWN	1.0	710	EYELET 7mm I.D.	6.3 FEMALE LUCAR	EARTH	EYELET No. 6	SOCKET No. 9
20	A 12 - B 12	PINK	0.5	200	6.3 MALE LUCAR	EYELET 4mm I.D.	ENGINE LAMP	SOCKET No. 15	EYELET No. 14
21	A 13 - B 13	ORANGE	0.75	1300	6.3 MALE LUCAR	EYELET 7mm I.D.	ANTENNA	SOCKET No. 3	EYELET No. 5
22	A 14 - B 14	GREEN / YELLOW	1.0	3000	6.3 MALE LUCAR	FEMALE LUCAR	SOLENOID BONNET	SOCKET No. 3	SOLDERED END 7
23	E 6 - E 7	BROWN	1.0	3000	8 MALE LUCAR	SOLDERED END	EARTH	SOCKET No. 4	SOLDERED END 7

ITEM	DESCRIPTION	NO. OFF	MAT.	STD.	SIZE/WT.	REMARKS
9	PVC SLEEVE BLACK	1			6 Ø X 800	
8	PVC SLEEVE BLACK	1			4 Ø X 500	
7	PVC SLEEVE BLACK	1			4 Ø X 800	
6	PVC SLEEVE BLACK	1			4 Ø X 150	
5	PVC SLEEVE BLACK	1			8 Ø X 200	
4	PVC SLEEVE BLACK	1			6 Ø X 250	
3	CORRUGATED TUBE	1			12 Ø X 1800	
2	CORRUGATED TUBE	1			12 Ø X 3050	
1	CORRUGATED TUBE	1			20 Ø X 200	

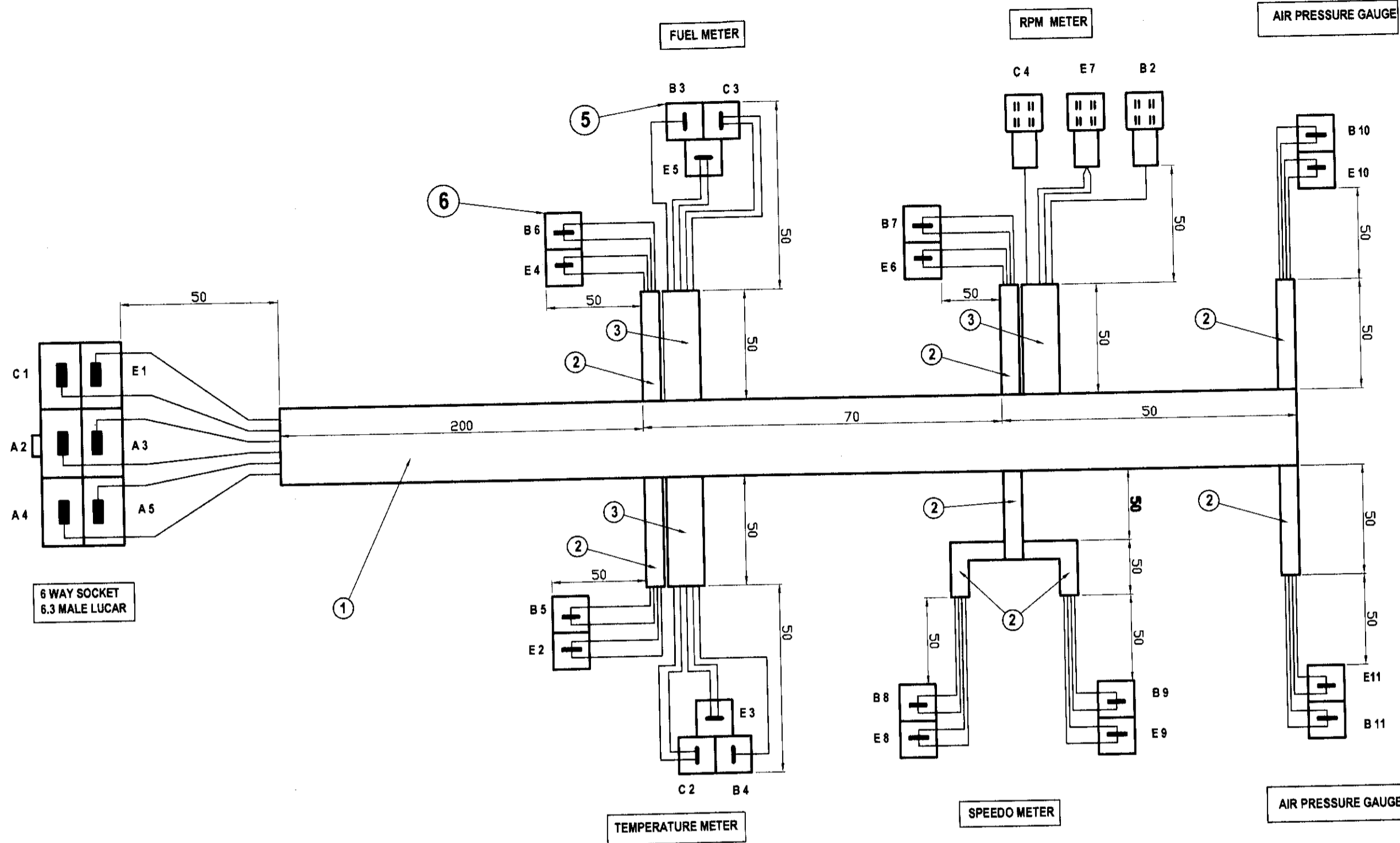
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- CABLES SHOULD CONFIRM TO MATERIALS SECTION -2 & CONSTRUCTION SECTION -3 OF IS: 2465-1984 / DIN 72551-PART-6
- CORRUGATED TUBE AS SHOWN TO BE USED MATL. POLYPROPYLENT CORRUGATED TUBE SHOULD BE COVERED FULLY WITH PVC BLACK ADHESIVE TAPE AT JUNCTION POINTS, ENDS OF TUBE & AT INTERMEDIATE POINTS AT A DISTANCE OF 200 mm. & SHOULD WORK AT OPERATING TEMPERATURE RANGE - 40 TO +105 Deg. Centigrade.
- MULTICABLE SOCKETS & TERMINALS USED WITH MULTI CABLE SOCKET SHOULD CONFIRM TO JASO:00605-1974
- PERMISSIBLE TOLERANCES:
LENGTH OF CABLE : UPTO 500 500 TO 1000 1000 TO 2000 >2000
TOLERANCE : +10/-0 +20/-0 +30/-0 +3% / -0 (OF LENGTH)
- INSPECTION : TEST CERTIFICATES FROM A GOVT. APPROVED AGENCY FOR THE FOLLOWING PARAMETERS TO BE SUBMITTED ALONG WITH HARNESS.

TEST TO BE CONDUCTED	EXPECTED RESULTS
01. VOLTAGE TEST (1 KV AC FOR 30 MINUTES FOLLOWED BY GRADUAL INCREASE UPTO 5 KV)	WITHSTANDS
02. VOLUME RESISTIVITY AT 70 Deg. Centigrade. NO BREAKDOWN OF INSULATION	1 X 10 ¹⁰ ohm - cm MINIMUM
03. THERMAL OVERLOAD/ HEAT SHOCK TEST (120 Deg. Centigrade FOR 48 Hrs. FOLLOWED BY VOLTAGE TEST AT 1 KV AC)	DEPTH OF INDENTATION 50% MAXIMUM
04. SHRINKAGE (150 Deg. Centigrade FOR 15 MINUTES)	

- PACKING : EACH LOOM SHOULD BE SUPPLIED IN SEPARATE PACKING.
- GUARANTEE : THE SUPPLIER SHOULD GIVE GUARANTEE FOR ONE YEAR FROM THE DATE OF INSTALLATION OF HARNESS ON THE VEHICLE WHICH EVER IS LATER.
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INDEX	ALTERATION	DATE	WM/BS	JWM/VDO	JWM/MPV
J.G.M / VS WM / BS JWM / VDO DGM / V A JWM / SA CKD - C. SINGH DRN D. K. VISHWAKARMA		APPD. BY [Signatures]		QTY. : - 01 / VEH.	
DIMENS. TOL. DIMENS. TOL. 0 - 30 ±0.1 800-2000 ±0.3 30 - 250 ±0.2 >2000 ±0.5 250-800 ±0.3		GENERAL TOLERANCE UNLESS OTHERWISE SPECIFIED		NEW DRAWING REF. DRG. NO. M.C. REF. DEMAND NO.	
VDO		VEHICLE FACTORY JABALPUR		115 - 43 - 0034 - 1 DRG. NO.	



NOTE :
ITEM NO - 6 :- TWO WAY SOCKET FEMALE LUCAR TO SUIT WARNING LAMP HOLDER (2 W)
ITEM NO - 5 :- THREE WAY SOCKET FEMALE LUCAR TO SUIT TEMPERATURE GAUGE & FUEL GAUGE

ITEM	DESCRIPTION	NO. OFF	MAT.	STD.	SIZE/WT.	REMARKS
3	PVC SLEEVE BLACK	3			10 Ø X 50	
2	CORRUGATED SLEEVE	8			8 Ø X 50	
1	CORRUGATED SLEEVE	1			16 Ø X 320	

S.NO	CABLE NO	COLOUR	SIZE SQ.MM	LENGTH MM	TERMINAL "A"	TERMINAL "B"	CIRCUIT
1	C1 - C2	YELLOW	1.0	350	6.3 MALE LUCAR	FEMALE LUCAR	LINE IN (+ B) METERS
2	C2 - C3	YELLOW	1.0	200	FEMALE LUCAR	FEMALE LUCAR	LINE IN (+ B) (LOOP)
3	C3 - C4	YELLOW	1.0	270	FEMALE LUCAR	FEMALE LUCAR	LINE IN (+ B) (LOOP)
4	A 2 - B 2	ORANGE / GREEN	0.5	420	6.3 MALE LUCAR	FEMALE LUCAR	RPM
5	A 3 - B 3	BLUE / BLACK	0.5	350	6.3 MALE LUCAR	FEMALE LUCAR	FUEL FLOAT UNIT
6	A 4 - B 4	WHITE	0.5	350	6.3 MALE LUCAR	FEMALE LUCAR	TEMPERATURE SENSOR
7	A 5 - B 5	GREY	0.5	350	6.3 MALE LUCAR	FEMALE LUCAR	LINE IN (+ B) GAUGE LAMP
8	B 5 - B 6	GREY	0.5	200	FEMALE LUCAR	FEMALE LUCAR	LINE IN (+ B) (LOOP)
9	B 6 - B 7	GREY	0.5	270	FEMALE LUCAR	FEMALE LUCAR	LINE IN (+ B) (LOOP)
10	B 7 - B 8	GREY	0.5	250	FEMALE LUCAR	FEMALE LUCAR	LINE IN (+ B) (LOOP)
11	B 8 - B 9	GREY	0.5	200	FEMALE LUCAR	FEMALE LUCAR	LINE IN (+ B) (LOOP)
12	B 9 - B 10	GREY	0.5	250	FEMALE LUCAR	FEMALE LUCAR	LINE IN (+ B) (LOOP)
13	B 10 - B 11	GREY	0.5	100	FEMALE LUCAR	FEMALE LUCAR	LINE IN (+ B) (LOOP)
14	E 1 - E 2	BROWN	0.75	350	6.3 MALE LUCAR	FEMALE LUCAR	EARTH
15	E 2 - E 3	BROWN	0.75	100	FEMALE LUCAR	FEMALE LUCAR	EARTH (LOOP)
16	E 3 - E 4	BROWN	0.75	100	FEMALE LUCAR	FEMALE LUCAR	EARTH (LOOP)
17	E 4 - E 5	BROWN	0.75	100	FEMALE LUCAR	FEMALE LUCAR	EARTH (LOOP)
18	E 5 - E 6	BROWN	0.75	270	FEMALE LUCAR	FEMALE LUCAR	EARTH (LOOP)
19	E 6 - E 7	BROWN	0.75	100	FEMALE LUCAR	FEMALE LUCAR	EARTH (LOOP)
20	E 7 - E 8	BROWN	0.5	250	FEMALE LUCAR	FEMALE LUCAR	EARTH (LOOP)
21	E 8 - E 9	BROWN	0.5	200	FEMALE LUCAR	FEMALE LUCAR	EARTH (LOOP)
22	E 9 - E 10	BROWN	0.5	300	FEMALE LUCAR	FEMALE LUCAR	EARTH (LOOP)
23	E 10 - E 11	BROWN	0.5	200	FEMALE LUCAR	FEMALE LUCAR	EARTH (LOOP)

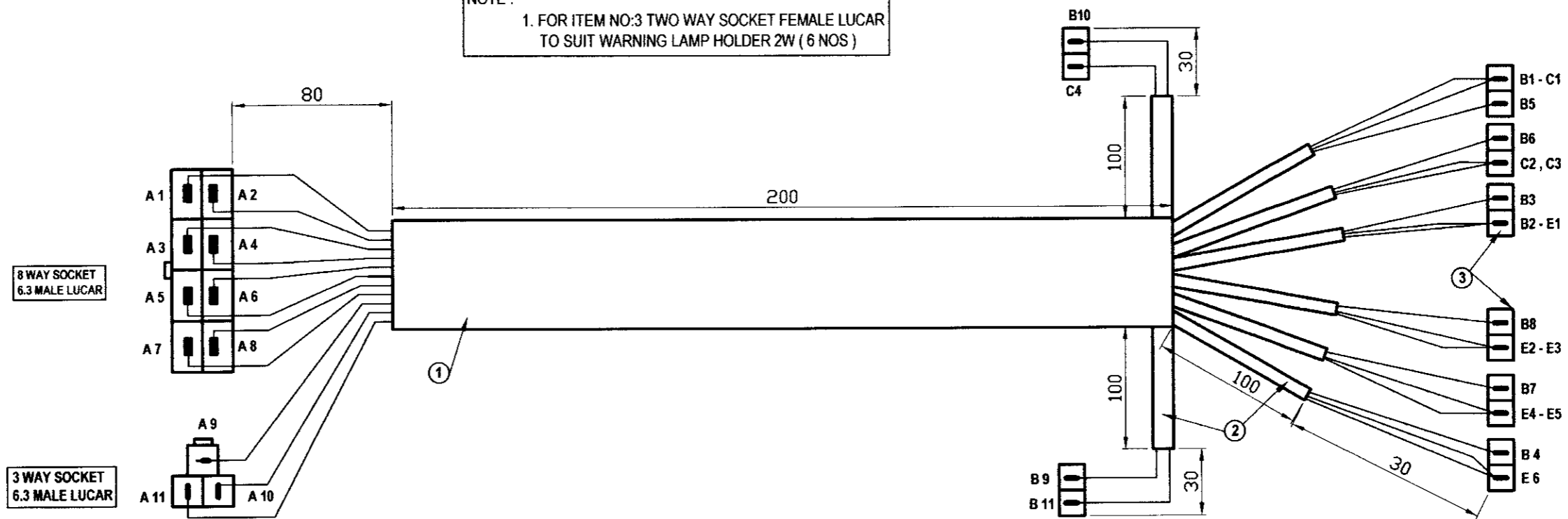
NOTES:
 1. ALL AUTO CABLES SHOULD BE PREINSULATED AS PER IS: 2465 - 1984 & BS: 6862 - Pt-1 - 1971 / DIN 72551 - PART - 6. FINOLEX / V - GUARD MAKE ONLY TO BE USED.
 2. CABLE SIZE & COLOUR CODE AS PER TABLE. SHADE NUMBER FOR THE COLOURS AS PER IS: 13313 - 1991
 3. CABLES SHOULD CONFIRM TO MATERIALS SECTION - 2 & CONSTRUCTION SECTION - 3 OF IS: 2465-1984 / DIN 72551 - PART - 6.
 4. CORRUGATED TUBE AS SHOWN TO BE USED MATL. POLYPROPYLENT CORRUGATED TUBE. SHOULD BE COVERED FULLY WITH PVC BLACK ADHESIVE TAPE AT JUNCTION POINTS, ENDS OF TUBE & AT INTERMEDIATE POINTS AT A DISTANCE OF 200 mm, & SHOULD WORK AT OPERATING TEMPERATURE RANGE - 40 TO + 105 Deg. Centigrade.
 5. MULTICABLE SOCKETS & TERMINALS USED WITH MULTI CABLE SOCKET SHOULD CONFIRM TO JASO:00605-1974
 6. PERMISSIBLE TOLERANCES:
 LENGTH OF CABLE : UPTO 500 500 TO 1000 1000 TO 2000 >2000
 TOLERANCE : +10 / -0 +20 / -0 +30 / -0 +3% / -0 (OF LENGTH)
 7. INSPECTION : TEST CERTIFICATES FROM A GOVT. APPROVED AGENCY FOR THE FOLLOWING PARAMETERS TO BE SUBMITTED ALONG WITH HARNESS.

TEST TO BE CONDUCTED	EXPECTED RESULTS
01. VOLTAGE TEST (1 KV AC FOR 30 MINUTES FOLLOWED BY GRADUAL INCREASE UPTO 5 KV)	WITHSTANDS
02. VOLUME RESISTIVITY AT 70 Deg. Centigrade	1 X 10 ¹⁰ ohm - cm MINIMUM
03. THERMAL OVERLOAD/ HEAT SHOCK TEST (120 Deg. Centigrade FOR 48 Hrs, FOLLOWED BY VOLTAGE TEST AT 1 KV AC)	NO BREAKDOWN OF INSULATION
04. SHRINKAGE (150 Deg. Centigrade FOR 15 MINUTES)	DEPTH OF INDENTATION 50% MAXIMUM

 8. PACKING : EACH LOOM SHOULD BE SUPPLIED IN SEPARATE PACKING.
 9. GUARANTEE : THE SUPPLIER SHOULD GIVE GUARANTEE FOR ONE YEAR FROM THE DATE OF INSTALLATION OF HARNESS ON THE VEHICLE WHICH EVER IS LATER.
 10. IDENTIFICATION SLEEVES (CIRCUIT) AS SHOWN IN TABLE TO BE PROVIDED ON BOTH A & B TERMINALS.
 11. SOCKETS ARE SHOWN AS VIEWED FROM CABLE ENTRY SIDE.
 12. ALL DIMENSIONS ARE IN mm.

INDEX	ALTERATION	DATE	WM/BS	JWM/VDO	JWM/MPV																														
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VDO		VEHICLE FACTORY JABALPUR																																	

NOTE :
1. FOR ITEM NO:3 TWO WAY SOCKET FEMALE LUCAR TO SUIT WARNING LAMP HOLDER 2W (6 NOS)



NOTES:

- ALL AUTO CABLES SHOULD BE PREINSULATED AS PER IS: 2465 - 1984 & BS: 6862 - Pt-1 - 1971 / DIN 72551 - PART - 6. FINOLEX / V - GUARD MAKE ONLY TO BE USED.
- CABLE SIZE & COLOUR CODE AS PER TABLE SHADE NUMBER FOR THE COLOURS AS PER IS: 13313 - 1991
- CABLES SHOULD CONFIRM TO MATERIALS SECTION - 2 & CONSTRUCTION SECTION - 3 OF IS: 2465-1984 / DIN 72551 - PART - 6.
- CORRUGATED TUBE AS SHOWN TO BE USED MATL. POLYPROPYLENT CORRUGATED TUBE SHOULD BE COVERED FULLY WITH PVC BLACK ADHESIVE TAPE AT JUNCTION POINTS, ENDS OF TUBE & AT INTERMEDIATE POINTS AT A DISTANCE OF 200 mm, & SHOULD WORK AT OPERATING TEMPERATURE RANGE - 40 TO +105 Deg. Centigrade.
- MULTICABLE SOCKETS & TERMINALS USED WITH MULTI CABLE SOCKET SHOULD CONFIRM TO JASO.00605-1974
- PERMISSIBLE TOLERANCES:
LENGTH OF CABLE: UPTO 500 500 TO 1000 1000 TO 2000 >2000
TOLERANCE: +10 / -0 +20 / -0 +30 / -0 +3 % / -0 (OF LENGTH)
- INSPECTION: TEST CERTIFICATES FROM A GOVT. APPROVED AGENCY FOR THE FOLLOWING PARAMETERS TO BE SUBMITTED ALONG WITH HARNESS.

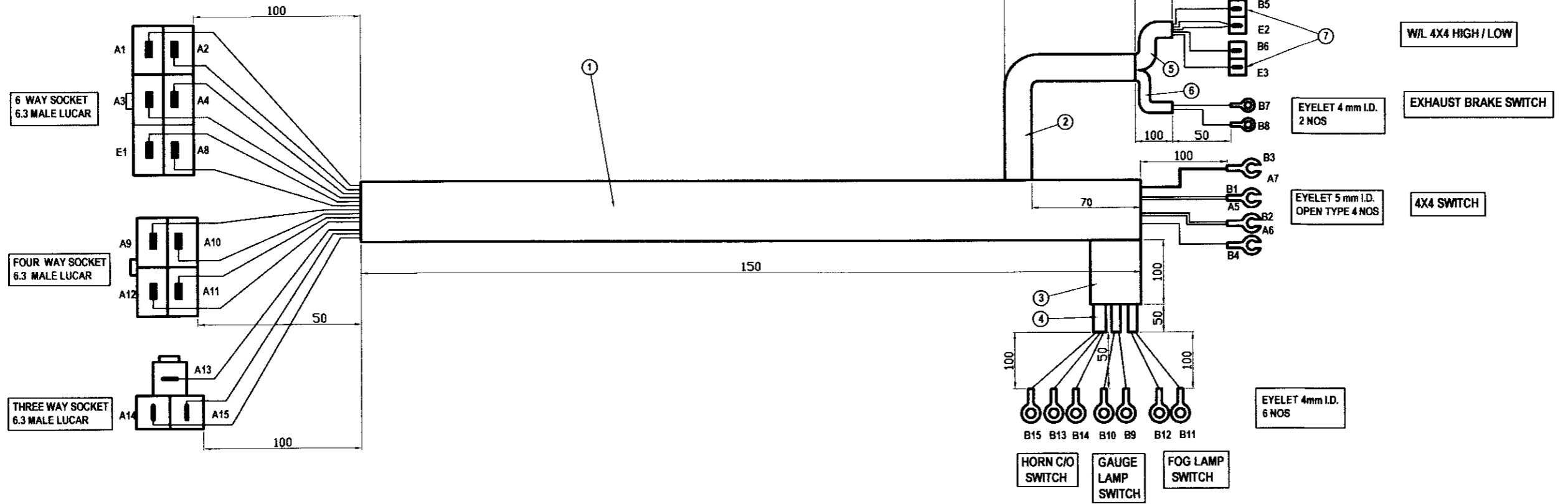
TEST TO BE CONDUCTED	EXPECTED RESULTS
01. VOLTAGE TEST (1 KV AC FOR 30 MINUTES FOLLOWED BY GRADUAL INCREASE UPTO 5 KV)	WITHSTANDS
02. VOLUME RESISTIVITY AT 70 Deg. Centigrade.	1 X 10 ¹⁰ ohm - cm MINIMUM
03. THERMAL OVERLOAD (HEAT SHOCK TEST) (120 Deg. Centigrade FOR 48 Hrs.FOLLOWED BY VOLTAGE TEST AT 1 KV AC)	NO BREAKDOWN OF INSULATION
04. SHRINKAGE (150 Deg. Centigrade FOR 15 MINUTES)	DEPTH OF INDENTATION 50 % MAXIMUM

- PACKING: EACH LOOM SHOULD BE SUPPLIED IN SEPARATE PACKING.
- GUARANTEE: THE SUPPLIER SHOULD GIVE GUARANTEE FOR ONE YEAR FROM THE DATE OF INSTALLATION OF HARNESS ON THE VEHICLE WHICH EVER IS LATER.
- IDENTIFICATION SLEEVES (CIRCUIT) AS SHOWN IN TABLE TO BE PROVIDED ON BOTH A & B TERMINALS.
- SOCKETS ARE SHOWN AS VIEWED FROM CABLE ENTRY SIDE.
- ALL DIMENSIONS ARE IN mm.

S.NO	CABLE NO	COLOUR	SIZE SQ.MM	LENGTH MM	TERMINAL "B"	TERMINAL "A"	CIRCUIT
1	A 1 - B 1	RED / WHITE	0.5	410	FEMALE LUCAR	6.3 MALE LUCAR	+ B
2	A 2 - B 2	BROWN	0.5	410	FEMALE LUCAR	6.3 MALE LUCAR	EARTH
3	A 3 - B 3	BLUE	0.5	410	FEMALE LUCAR	6.3 MALE LUCAR	TURN SIGNAL RH
4	A 4 - B 4	GREEN	0.5	410	FEMALE LUCAR	6.3 MALE LUCAR	TURN SIGNAL LH
5	A 5 - B 5	BLUE / WHITE	0.5	410	FEMALE LUCAR	6.3 MALE LUCAR	PILOT
6	A 6 - B 6	BLUE / YELLOW	0.5	410	FEMALE LUCAR	6.3 MALE LUCAR	OIL PRESSURE WL
7	A 7 - B 7	VOILET / WHITE	0.5	410	FEMALE LUCAR	6.3 MALE LUCAR	H/L HIGH BEAM
8	A 8 - B 8	GREY / YELLOW	0.5	410	FEMALE LUCAR	6.3 MALE LUCAR	SUMP HEATER
9	C 1 - C 2	RED / WHITE	0.5	340	FEMALE LUCAR	FEMALE LUCAR	LOOP WITH B1
10	E 1 - E 2	BROWN	0.5	340	FEMALE LUCAR	FEMALE LUCAR	LOOP WITH B2
11	E 3 - E 4	BROWN	0.5	340	FEMALE LUCAR	FEMALE LUCAR	LOOP WITH E2
12	E 5 - E 6	BROWN	0.5	340	FEMALE LUCAR	FEMALE LUCAR	LOOP WITH E4
13	C 3 - C 4	RED / WHITE	0.5	340	FEMALE LUCAR	FEMALE LUCAR	LOOP WITH C2
14	A 9 - B 9	YELLOW / GREEN	0.5	410	FEMALE LUCAR	6.3 MALE LUCAR	+ B WL DIFF. LOCK
15	A 10 - B 10	BROWN / BLACK	0.5	410	FEMALE LUCAR	6.3 MALE LUCAR	WL PARKING BRAKE
16	A 11 - B 11	BROWN / YELLOW	0.5	410	FEMALE LUCAR	FEMALE LUCAR	+ve FROM MICRO SW FOR WL D'LOCK

ITEM	DESCRIPTION	NO OFF	MAT.	STD.	SIZE/WT.	REMARKS
2	PVC SLEEVE BLACK	8			6 Ø X 100	
1	CORRUGATED SLEEVE	1			16 Ø X 200	

INDEX		ALTERATION		DATE	WMBS	JMM/VDO	JMM/MPV
JLGM / VS	WM / BS	JMM / VDO	DGM / VA	APPD. BY	CKD - C. SENGH	DRN D. K. VISHWAKARMA	QTY. - 01 / VERL.
DIMENS. TOL		DIMENS. TOL		NEW DRAWING		NTS	
0 - 30 ±0.1		300-2000 ±0.5		REF.DRG. NO.		SCALE	
30 - 250 ±0.2		>2000 ±0.8		M/C.		14 / 02 / 11	
250-800 ±0.3				REF. DEMAND NO.		1/1	
GENERAL TOLERANCE		THIRD ANGLE PROJECTION		115 - 43 - 0044 - 1		SHTS	
VDO		VEHICLE FACTORY JABALPUR		DRG. NO.			



NOTE:
ITEM NO: '5' - TWO WAY SOCKET FEMALE LUCAR
TO SUIT WARNING LAMP HOLDER 2W

W/L 4X4 HIGH / LOW

EXHAUST BRAKE SWITCH

4X4 SWITCH

HORN C/O SWITCH
GAUGE LAMP SWITCH
FOG LAMP SWITCH

ITEM	DESCRIPTION	NO. OF	MAT.	STD.	SIZE/WT.	REMARKS
6	PVC SLEEVE BLACK	1			6 Ø X 100	
5	PVC SLEEVE BLACK	1			10 Ø X 50	
4	PVC SLEEVE BLACK	3			6 Ø X 50	
3	PVC SLEEVE BLACK	1			12 Ø X 100	
2	CORRUGATED SLEEVE	1			12 Ø X 300	
1	CORRUGATED SLEEVE	1			16 Ø X 100	

NOTES:

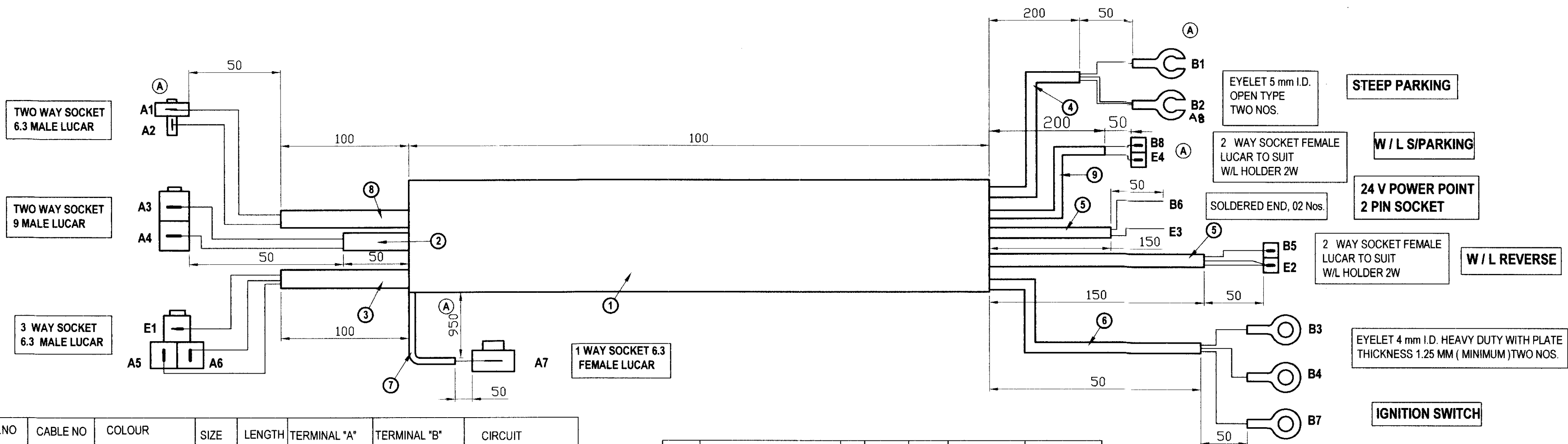
- ALL AUTO CABLES SHOULD BE PREINSULATED AS PER IS: 2465 - 1984 & BS: 6862 - Pt-1 - 1971 / DIN 72551 - PART - 6. FINOLEX / V - GUARD MAKE ONLY TO BE USED.
- CABLE SIZE & COLOUR CODE AS PER TABLE SHADE NUMBER FOR THE COLOURS AS PER IS: 13313 - 1991
- CABLES SHOULD CONFIRM TO MATERIALS SECTION - 2 & CONSTRUCTION SECTION - 3 OF IS: 2465-1984 / DIN 72551 - PART - 6.
- CORRUGATED TUBE AS SHOWN TO BE USED MATL. POLYPROPYLENE CORRUGATED TUBE SHOULD BE COVERED FULLY WITH PVC BLACK ADHESIVE TAPE AT JUNCTION POINTS, ENDS OF TUBE & AT INTERMEDIATE POINTS AT A DISTANCE OF 200 mm. & SHOULD WORK AT OPERATING TEMPERATURE RANGE - 40 TO +105 Deg. Centigrade.
- MULTICABLE SOCKETS & TERMINALS USED WITH MULTI CABLE SOCKET SHOULD CONFIRM TO JASO:00605-1974
- PERMISSIBLE TOLERANCES:
LENGTH OF CABLE: UPTO 500 500 TO 1000 1000 TO 2000 >2000
TOLERANCE: +10 / -0 +20 / -0 +30 / -0 +3 % / -0 (OF LENGTH)
- INSPECTION: TEST CERTIFICATES FROM A GOVT. APPROVED AGENCY FOR THE FOLLOWING PARAMETERS TO BE SUBMITTED ALONG WITH HARNESS.

TEST TO BE CONDUCTED	EXPECTED RESULTS
01. VOLTAGE TEST (1 KV AC FOR 30 MINUTES FOLLOWED BY GRADUAL INCREASE UPTO 5 KV)	WITHSTANDS
02. VOLUME RESISTIVITY AT 70 Deg. Centigrade	1 X 10 ⁻⁹ ohm - cm MINIMUM
03. THERMAL OVERLOAD (HEAT SHOCK TEST) (120 Deg. Centigrade FOR 48 Hrs, FOLLOWED BY VOLTAGE TEST AT 1 KV AC)	NO BREAKDOWN OF INSULATION
04. SHRINKAGE (150 Deg. Centigrade FOR 15 MINUTES)	DEPTH OF INDENTATION 50 % MAXIMUM

- PACKING: EACH LOOM SHOULD BE SUPPLIED IN SEPARATE PACKING.
- GUARANTEE: THE SUPPLIER SHOULD GIVE GUARANTEE FOR ONE YEAR FROM THE DATE OF INSTALLATION OF HARNESS ON THE VEHICLE WHICH EVER IS LATER.
- IDENTIFICATION SLEEVES (CIRCUIT) AS SHOWN IN TABLE TO BE PROVIDED ON BOTH A & B TERMINALS.
- SOCKETS ARE SHOWN AS VIEWED FROM CABLE ENTRY SIDE.
- ALL DIMENSIONS ARE IN mm.

S.NO	CABLE NO	COLOUR	SIZE SQ.MM	LENGTH MM	TERMINAL "B"	TERMINAL "A"	CIRCUIT
1	A 1 - B 1	YELLOW	0.5	350	EYELET 5mm I.D.	6.3 MALE LUCAR	4 X 4 HIGH
2	A 2 - B 2	YELLOW / RED	0.5	350	EYELET 5mm I.D.	6.3 MALE LUCAR	4 X 4 LOW
3	A 3 - B 3	RED	0.75	350	EYELET 5mm I.D.	6.3 MALE LUCAR	+ B 4 X 4 SWITCH
4	A 4 - B 4	YELLOW / GREEN	0.5	350	EYELET 5mm I.D.	6.3 MALE LUCAR	DIFFERENTIAL LOCK
5	A 5 - B 5	YELLOW	0.5	620	FEMALE LUCAR	JOIN WITH B1 EYELET	W/L 4 X 4 HIGH
6	A 6 - B 6	YELLOW / RED	0.5	620	FEMALE LUCAR	JOIN WITH B2 EYELET	W/L 4 X 4 LOW
7	A 7 - B 7	BLUE / RED	0.75	620	EYELET 4 mm I.D.	JOIN WITH B3 EYELET	+ B EXH. BR. SWITCH
8	A 8 - B 8	BLUE / WHITE	0.75	630	EYELET 4 mm I.D.	6.3 MALE LUCAR	EXHAUST BRAKE MICRO SW
9	E 1 - E 2	BROWN	0.5	630	FEMALE LUCAR	6.3 MALE LUCAR	EARTH WL 4 X 4 HIGH
10	E 2 - E 3	BROWN	0.5	300	JOIN WITH E2 FEMALE LUCAR	FEMALE LUCAR	EARTH WL 4 X 4 LOW
11	A 9 - B 9	GREY / BLACK	0.5	400	EYELET 4mm I.D.	6.3 MALE LUCAR	+ B GAUGE LAMP SWITCH
12	A 10 - B 10	GREY	0.5	400	EYELET 4mm I.D.	6.3 MALE LUCAR	GAUGE LAMP
13	A 11 - B 11	RED	1.0	450	EYELET 4mm I.D.	6.3 MALE LUCAR	FOG LAMP
14	A 12 - B 12	GREY / BLACK	1.0	450	EYELET 4mm I.D.	6.3 MALE LUCAR	+ B FOG LAMP SWITCH
15	A 13 - B 13	RED / WHITE	1.0	500	EYELET 4mm I.D.	6.3 MALE LUCAR	+ B HORN C/O SWITCH
16	A 14 - B 14	VOILET	0.75	500	EYELET 4mm I.D.	6.3 MALE LUCAR	AIR PRESSURE HORN
17	A 15 - B 15	BROWN / YELLOW	1.0	500	EYELET 4mm I.D.	6.3 MALE LUCAR	ELECTRIC HORN

INDEX	ALTERATION	DATE	WM/BS	JVM/VDO	JVM/MPV
APPRO. BY		DATE		QTY. 1 - 01 / VREL.	
JR/GM/VIS	WM/BS	JVM/VDO	DGM/TA	JVM/BS	DRN D K VISHWAKARMA
DIMENS. TOL.		DIMENS. TOL.		NEW DRAWING	
0 - 30 ±0.1		30 - 250 ±0.2		REF. DRG. NO.	
30 - 250 ±0.2		>200 ±0.3		NTS SCALE	
250 - 500 ±0.3				15 / 02 / 11	
GENERAL TOLERANCE					
UNLESS OTHERWISE SPECIFIED					
C/A 4 X 4 SWITCH (MPV, BS - III)				DATE	
VDO				1/1	
VEHICLE FACTORY JABALPUR				REF. DEMAND NO.	
				115 - 43 - 0045 - 1	
				DRG. NO.	



S.NO	CABLE NO	COLOUR	SIZE SQ.MM	LENGTH MM	TERMINAL "A"	TERMINAL "B"	CIRCUIT
1	A 1 - B 1	WHITE / BLUE	1.5	500	6.3 MALE LUCAR	EYELET mm I.D.	+ B IN STEEP PARKING
2	A 2 - B 2	RED/GREEN	1.5	500	6.3 MALE LUCAR	EYELET 5 mm I.D.	+ B OUT STEEP PARKING
3	A 3 - B 3	WHITE	10.0	300	9 MALE LUCAR	EYELET 4 mm I.D.	LINE IN IGN. SWITCH
4	A 4 - B 4	RED	10.0	300	9 MALE LUCAR	EYELET 4 mm I.D.	LINE OUT IGN. SWITCH
5	A 5 - B 5	ORANGE / GREEN	0.75	450	6.3 MALE LUCAR	FEMALE LUCAR	REVERSE W/L
6	A 6 - B 6	WHITE / BLUE	1.0	450	6.3 MALE LUCAR	SOLDERED END	+B INSPECTION SOCKET
7	E 1 - E 2	BROWN	1.0	450	6.3 MALE LUCAR	FEMALE LUCAR	EARTH REVERSE W/L
8	E 2 - E 3	BROWN	1.0	650	FEMALE LUCAR	SOLDERED END	EARTH INSP. SOCKET
9	A 7 - B 7	RED	4.0	350	6.3 FEMALE LUCAR	EYELET 4 mm I.D.	+ B TO E C U
10	E 2 - E 4	BROWN	1.0	450	FEMALE LUCAR	FEMALE LUCAR	EARTH W/L S/PARKING
11	A 8 - B 8	RED / GREEN	1.0	500	EYELET 5MM I D	FEMALE LUCAR	+ B W/L S/PARKING

ITEM	DESCRIPTION	NO. OFF	MAT.	STD.	SIZE/WT.	REMARKS
9	PVC SLEEVE BLACK	1			6 Ø X 200	
8	PVC SLEEVE BLACK	1			6 Ø X 100	
7	PVC SLEEVE BLACK	1			6 Ø X 950	
6	PVC SLEEVE BLACK	1			12 Ø X 50	
5	PVC SLEEVE BLACK	2			8 Ø X 150	
4	CORRUGATED SLEEVE	1			10 Ø X 200	
3	PVC SLEEVE BLACK	1			8 Ø X 100	
2	PVC SLEEVE BLACK	1			12 Ø X 50	
1	CORRUGATED SLEEVE	1			20 Ø X 100	

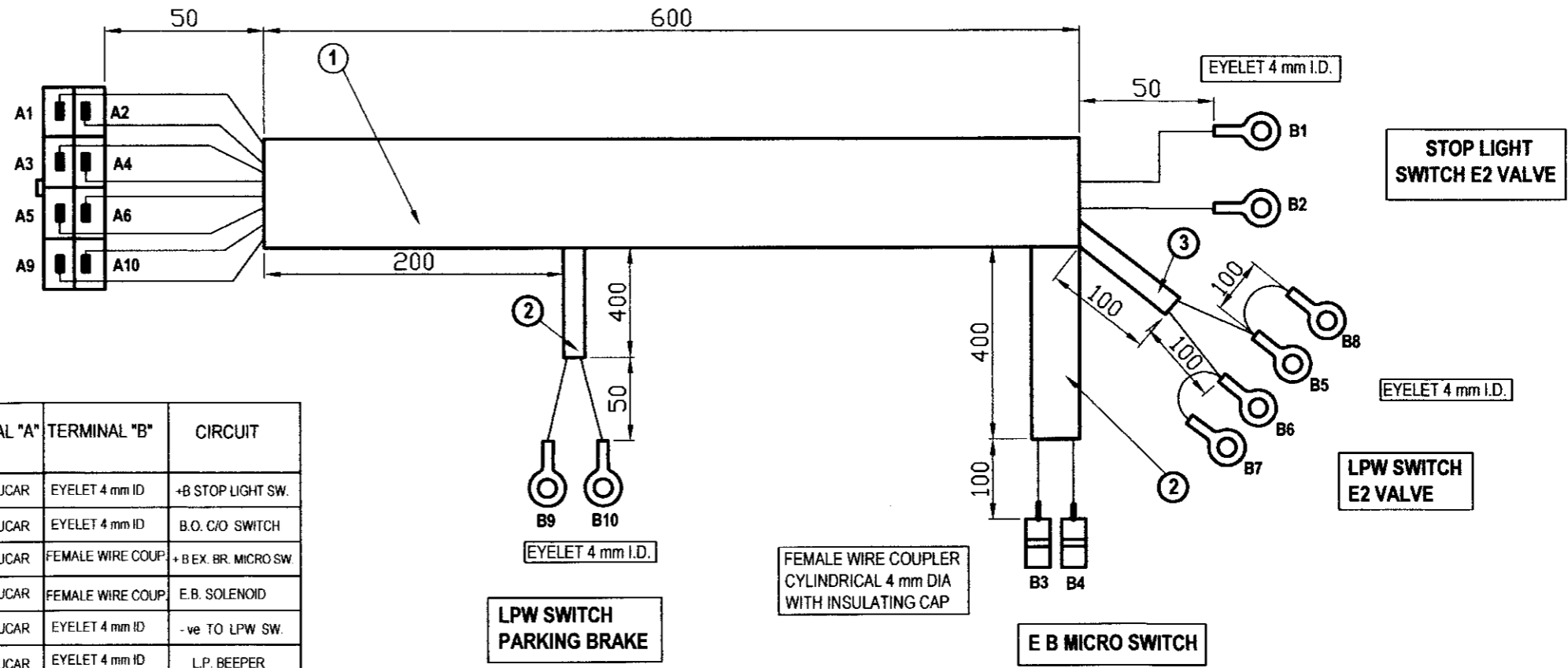
NOTES:

- ALL AUTO CABLES SHOULD BE PREINSULATED AS PER IS: 2465 - 1984 & BS: 6862 - Pt-1 - 1971 / DIN 72551 - PART - 6 . FINOLEX / V - GUARD MAKE ONLY TO BE USED.
- CABLE SIZE & COLOUR CODE AS PER TABLE SHADE NUMBER FOR THE COLOURS AS PER IS: 13313 - 1991
- CABLES SHOULD CONFIRM TO MATERIALS SECTION -2 & CONSTRUCTION SECTION -3 OF IS: 2465-1984 / DIN 72551 - PART-6 .
- CORRUGATED TUBE AS SHOWN TO BE USED MATL. POLYPROPYLENT CORRUGATED TUBE. SHOULD BE COVERED FULLY WITH PVC BLACK ADHESIVE TAPE AT JUNCTION POINTS, ENDS OF TUBE & AT INTERMEDIATE POINTS AT A DISTANCE OF 200 mm , & SHOULD WORK AT OPERATING TEMPERATURE RANGE - 40 TO + 105 Deg. Centigrade .
- MULTICABLE SOCKETS & TERMINALS USED WITH MULTI CABLE SOCKET SHOULD CONFIRM TO JASO:00605-1974
- PERMISSIBLE TOLERANCES:
 LENGTH OF CABLE : UPTO 500 500 TO 1000 1000 TO 2000 >2000
 TOLERANCE : +10 / -0 +20 / -0 +30 / -0 +3 % / -0 (OF LENGTH)
- INSPECTION : TEST CERTIFICATES FROM A GOVT. APPROVED AGENCY FOR THE FOLLOWING PARAMETERS TO BE SUBMITTED ALONG WITH HARNESS .

TEST TO BE CONDUCTED	EXPECTED RESULTS
01. VOLTAGE TEST (1 KV AC FOR 30 MINUTES FOLLOWED BY GRADUAL INCREASE UPTO 5 KV)	WITHSTANDS
02. VOLUME RESISTIVITY AT 70 Deg. Centigrade .	1 X 10 ⁻⁹ ohm - cm MINIMUM
03. THERMAL OVERLOAD(HEAT SHOCK TEST) (120 Deg. Centigrade FOR 48 Hrs, FOLLOVED BY VOLTAGE TEST AT 1 KV AC)	NO BREAKDOWN OF INSULATION
04. SHRINKAGE (150 Deg. Centigrade FOR 15 MINUTES)	DEPTH OF INDENTATION 50 % MAXIMUM

- PACKING : EACH LOOM SHOULD BE SUPPLIED IN SEPARATE PACKING .
- GUARANTEE : THE SUPPLIER SHOULD GIVE GUARANTEE FOR ONE YEAR FROM THE DATE OF INSTALLATION OF HARNESS ON THE VEHICLE WHICH EVER IS LATER .
- IDENTIFICATION SLEEVES (CIRCUIT) AS SHOWN IN TABLE TO BE PROVIDED ON BOTH A & B TERMINALS .
- SOCKETS ARE SHOWN AS VIEWED FROM CABLE ENTRY SIDE .
- ALL DIMENSIONS ARE IN mm .

9- PVC black steeve -200 x 6 Ø introduced 8- Cable No.E2-E4 & B2-B8 introduced. 7- Length of PVC sleeve No.7 increased to 950mm. 6- Length of cable No.A7-B7 increased to 150 to 1000mm. 5- Eyelet 5 mm I.D. changed to open type eyelet. 4- Circuit ten sump heater changed to steep parking 3- Size of cable No.A1-B1 changed. 2- Size & colour of cable No.A2-B2 change. 1- Two way skt.(8 male lucar) deleted. Two way skt.(6.3 male lucar) introduced.		03 / 06 / 13
INDEX	ALTERATION	DATE
APPD. BY C SINGH JWM / TSS WM / MPV JWM / SA & MPV CKD - D. K. V		DRN R ORAM QTY. :- 01 / VEH.
DIMENS. TOL. DIMENS. TOL. 0 - 30 ±0.1 800-2000 ±0.5 30 - 250 ±0.2 >2000 ±0.8 250-800 ±0.3		NTS SCALE
GENERAL TOLERANCE THIRD ANGLE PROJECTION		03/06/13 DATE
C/A IGNITION SWITCH (MPV, BS - III)		1/1 SHTS
TSS	VEHICLE FACTORY JABALPUR	115 - 43 - 0046 - 1/A DRG. NO.



S.NO	CABLE NO	COLOUR	SIZE SQ.MM	LENGTH MM	TERMINAL "A"	TERMINAL "B"	CIRCUIT
1	A1 - B1	RED / YELLOW	0.75	700	6.3 MALE LUCAR	EYELET 4 mm ID	+B STOP LIGHT SW.
2	A2 - B2	RED / YELLOW	0.75	700	6.3 MALE LUCAR	EYELET 4 mm ID	B.O. C/O SWITCH
3	A3 - B3	BLUE / WHITE	0.75	1150	6.3 MALE LUCAR	FEMALE WIRE COUP.	+B EX. BR. MICRO SW
4	A4 - B4	BLUE / WHITE	0.75	1150	6.3 MALE LUCAR	FEMALE WIRE COUP.	E.B. SOLENOID
5	A5 - B5	BROWN	0.75	850	6.3 MALE LUCAR	EYELET 4 mm ID	-ve TO LPW SW.
6	A6 - B6	BROWN / GREEN	0.75	850	6.3 MALE LUCAR	EYELET 4 mm ID	L.P. BEEPER
7	B5 - B8	BROWN	0.75	100	EYELET 4 mm ID	EYELET 4 mm ID	LOOP
8	B6 - B7	BROWN / GREEN	0.75	100	EYELET 4 mm ID	EYELET 4 mm ID	LOOP
9	A9 - B9	BROWN	0.75	700	6.3 MALE LUCAR	EYELET 4 mm ID	EARTH PARKING BRAKE
10	A10 - B10	BROWN / YELLOW	0.75	700	6.3 MALE LUCAR	EYELET 4 mm ID	EARTH W/L PARKING

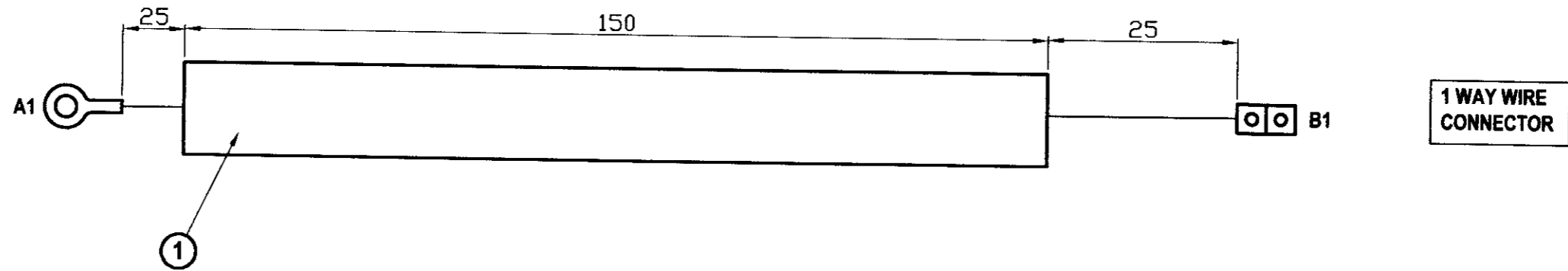
ITEM	DESCRIPTION	NO. OFF	MAT.	STD.	SIZE/WT.	REMARKS
3	CORRUGATED SLEEVE	1			8 Ø X 100	
2	CORRUGATED SLEEVE	2			8 Ø X 400	
1	CORRUGATED SLEEVE	1			12 Ø X 600	

NOTES:
 1. ALL AUTO CABLES SHOULD BE PREINSULATED AS PER IS: 2465 - 1984 & BS: 6862 - Pt-1 - 1971 / DIN 72551 - PART - 6 . FINOLEX / V - GUARD MAKE ONLY TO BE USED.
 2. CABLE SIZE & COLOUR CODE AS PER TABLE SHADE NUMBER FOR THE COLOURS AS PER IS: 13313 - 1991
 3. CABLES SHOULD CONFIRM TO MATERIALS SECTION -2 & CONSTRUCTION SECTION -3 OF IS: 2465-1984 / DIN 72551 - PART - 6 .
 4. CORRUGATED TUBE AS SHOWN TO BE USED MATL. POLYPROPYLENT CORRUGATED TUBE . SHOULD BE COVERED FULLY WITH PVC BLACK ADHESIVE TAPE AT JUNCTION POINTS, ENDS OF TUBE & AT INTERMEDIATE POINTS AT A DISTANCE OF 200 mm , & SHOULD WORK AT OPERATING TEMPERATURE RANGE -40 TO +105 Deg. Centigrade .
 5. MULTICABLE SOCKETS & TERMINALS USED WITH MULTI CABLE SOCKET SHOULD CONFIRM TO JASO:00605-1974
 6. PERMISSIBLE TOLERANCES:
 LENGTH OF CABLE : UPTO 500 500 TO 1000 1000 TO 2000 >2000
 TOLERANCE : +10 / -0 +20 / -0 +30 / -0 +3 % / -0 (OF LENGTH)
 7. INSPECTION : TEST CERTIFICATES FROM A GOVT. APPROVED AGENCY FOR THE FOLLOWING PARAMETERS TO BE SUBMITTED ALONG WITH HARNESS.

TEST TO BE CONDUCTED	EXPECTED RESULTS
01. VOLTAGE TEST (1 KV AC FOR 30 MINUTES FOLLOWED BY GRADUAL INCREASE UPTO 5 KV)	WITHSTANDS
02. VOLUME RESISTIVITY AT 70 Deg. Centigrade .	1 X 10 ¹⁰ ohm - cm MINIMUM
03. THERMAL OVERLOAD(HEAT SHOCK TEST) (120 Deg. Centigrade FOR 48 Hrs,FOLLOWED BY VOLTAGE	NO BREAKDOWN OF INSULATION
TEST AT 1 KV AC) 04. SHRINKAGE (150 Deg. Centigrade FOR 15 MINUTES)	DEPTH OF INDENTATION 50 % MAXIMUM

8. PACKING : EACH LOOM SHOULD BE SUPPLIED IN SEPARATE PACKING .
 9. GUARANTEE : THE SUPPLIER SHOULD GIVE GUARANTEE FOR ONE YEAR FROM THE DATE OF INSTALLATION OF HARNESS ON THE VEHICLE WHICH EVER IS LATER .
 10. IDENTIFICATION SLEEVES (CIRCUIT) AS SHOWN IN TABLE TO BE PROVIDED ON BOTH A & B TERMINALS .
 11. SOCKETS ARE SHOWN AS VIEWED FROM CABLE ENTRY SIDE .
 12. ALL DIMENSIONS ARE IN mm .

INDEX	ALTERATION	DATE	WM/BS	JWM/VDO	JWM/MPV
APPD. BY JLG/VS WM/BS JWM/VDO DGM/VA JWM/SA CKD.-C. SINGH DRN D. K. VISHWAKARMA					
QTY. :- 01 / VEH.					
DIMENS. TOL DIMENS. TOL 0 - 30 ±0.1 800-2000 ±0.5 30 - 250 ±0.2 >2000 ±0.8 250-800 ±0.3			C/A STOP LIGHT SWITCH (MPV, BS - III)		NEW DRAWING REF.DRG. NO.
GENERAL TOLERANCE THIRD ANGLE PROJECTION					NTS SCALE 03 / 05 / 11 DATE
REF. DEMAND NO.			REF. DEMAND NO.		1/1 SHTS
VDO				VEHICLE FACTORY JABALPUR	
115 - 43 - 0051 - 1 DRG. NO.					



S.NO	CABLE NO	COLOUR	SIZE SQ.MM	LENGTH MM	TERMINAL "B"	TERMINAL "A"	CIRCUIT
1	A1 - B1	BROWN	1.0	200	SOLDERED END	EYELET 7mm ID	EARTH

NOTES:

- ALL AUTO CABLES SHOULD BE PREINSULATED AS PER IS: 2465 - 1984 & BS: 6862 - Pt-1 - 1971 / DIN 72551 - PART - 6 . FINOLEX / V - GUARD MAKE ONLY TO BE USED .
- CABLE SIZE & COLOUR CODE AS PER TABLE SHADE NUMBER FOR THE COLOURS AS PER IS: 13313 - 1991
- CABLES SHOULD CONFIRM TO MATERIALS SECTION -2 & CONSTRUCTION SECTION -3 OF IS: 2465-1984 / DIN 72551 - PART - 6 .
- CORRUGATED TUBE AS SHOWN TO BE USED MATL. POLYPROPYLENT CORRUGATED TUBE .SHOULD BE COVERED FULLY WITH PVC BLACK ADHESIVE TAPE AT JUNCTION POINTS, ENDS OF TUBE & AT INTERMEDIATE POINTS AT A DISTANCE OF 200 mm , & SHOULD WORK AT OPERATING TEMPERATURE RANGE - 40 TO +105 Deg. Centigrade .
- MULTICABLE SOCKETS & TERMINALS USED WITH MULTI CABLE SOCKET SHOULD CONFIRM TO JASO:00605-1974
- PERMISSIBLE TOLERANCES :
 LENGTH OF CABLE : UPTO 500 500 TO 1000 1000 TO 2000 >2000
 TOLERANCE : +10 / -0 +20 / -0 +30 / -0 +3 % / -0 (OF LENGTH)
- INSPECTION : TEST CERTIFICATES FROM A GOVT. APPROVED AGENCY FOR THE FOLLOWING PARAMETERS TO BE SUBMITTED ALONG WITH HARNESS .

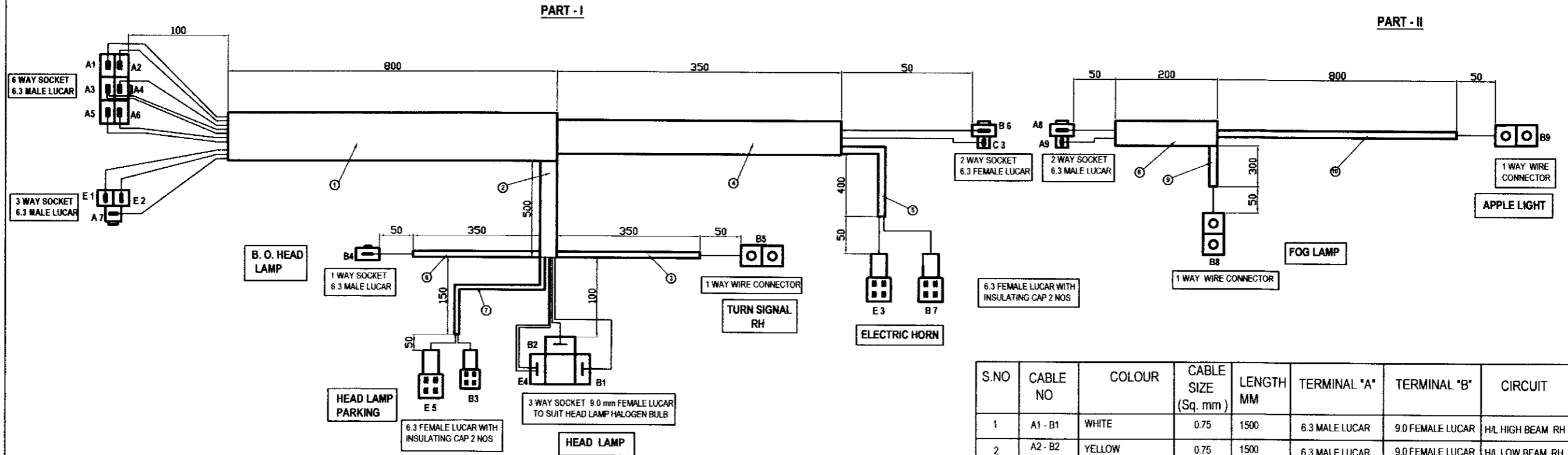
TEST TO BE CONDUCTED	EXPECTED RESULTS
01. VOLTAGE TEST (1 KV AC FOR 30 MINUTES FOLLOWED BY GRADUAL INCREASE UPTO 5 KV)	WITHSTANDS
02. VOLUME RESISTIVITY AT 70 Deg. Centigrade .	1 X 10 ¹⁰ ohm - cm MINIMUM
03. THERMAL OVERLOAD(HEAT SHOCK TEST) (120 Deg. Centigrade FOR 48 Hrs, FOLLOVED BY VOLTAGE TEST AT 1 KV AC)	NO BREAKDOWN OF INSULATION
04. SHRINKAGE (150 Deg. Centigrade FOR 15 MINUTES)	DEPTH OF INDENTATION 50 % MAXIMUM

- PACKING : EACH LOOM SHOULD BE SUPPLIED IN SEPARATE PACKING .
- GUARANTEE : THE SUPPLIER SHOULD GIVE GUARANTEE FOR ONE YEAR FROM THE DATE OF INSTALLATION OF HARNESS ON THE VEHICLE WHICH EVER IS LATER .
- IDENTIFICATION SLEEVES (CIRCUIT) AS SHOWN IN TABLE TO BE PROVIDED ON BOTH A & B TERMINALS .
- SOCKETS ARE SHOWN AS VIEWED FROM CABLE ENTRY SIDE .
- ALL DIMENSIONS ARE IN mm .

ITEM	DESCRIPTION	NO. OFF	MAT.	STD.	SIZE/WT.	REMARKS
1	PVC SLEEVE BLACK	1			4 Ø X 150	

INDEX		ALTERATION		DATE	W/WBS	JWM/VDO	JWM/MPV
JLGM / VS	WM / BS	JWM / VDO	DGM / VA	JWM / VA	CKD - C. SINGH	DRN D. K. VISHWAKARMA	QTY. :- 20 / VEE.
DIMENS. TOL. DIMENS. TOL. 0 - 30 ±0.1 800-2000 ±0.5 30 - 250 ±0.2 >2000 ±0.8 250-800 ±0.3		APPD. BY [Signatures]		NEW DRAWING REF.DRG. NO.		NTS SCALE 03 / 05 / 11 DATE	
GENERAL TOLERANCE THIRD ANGLE PROJECTION 				EARTH CABLE (MPV, BS - III)		REF. DEMAND NO. 115 - 43 - 0052 - 1 DRG. NO.	
VDO		VEHICLE FACTORY JABALPUR					

NOTE: PART - I TO BE CONNECTED WITH PART - II



S.NO	CABLE NO	COLOUR	CABLE SIZE (Sq. mm)	LENGTH MM	TERMINAL "A"	TERMINAL "B"	CIRCUIT
1	A1 - B1	WHITE	0.75	1500	6.3 MALE LUCAR	9.0 FEMALE LUCAR	H/L HIGH BEAM RH
2	A2 - B2	YELLOW	0.75	1500	6.3 MALE LUCAR	9.0 FEMALE LUCAR	H/L LOW BEAM RH
3	A3 - B3	GREY / RED	0.75	1600	6.3 MALE LUCAR	5 FEMALE LUCAR	H/L PARKING
4	A4 - B4	WHITE / RED	0.75	1800	6.3 MALE LUCAR	6.3 FEMALE LUCAR	B.O. HEAD LAMP
5	A5 - B5	BLUE	0.75	1800	6.3 MALE LUCAR	SOLDERED END	TURN SIGNAL RH
6	A6 - B6	RED	0.75	1300	6.3 MALE LUCAR	6.3 FEMALE LUCAR	FOG LAMP
7	A7 - B7	BROWN / YELLOW	1.0	1700	6.3 MALE LUCAR	6.3 FEMALE LUCAR	ELECTRIC HORN
8	A8 - B8	RED	0.75	600	6.3 MALE LUCAR	SOLDERED END	FOG LAMP
9	A9 - B9	GREY / RED	0.75	1100	8 MALE LUCAR	6.3 FEMALE LUCAR	APPLE LIGHT
10	E1 - E4	BROWN	1.0	1500	6.3 MALE LUCAR	9.0 FEMALE LUCAR	EARTH H / LAMP
11	E2 - E3	BROWN	1.0	1700	6.3 MALE LUCAR	6.3 FEMALE LUCAR	EARTH ELECT. HORN
12	E4 - E5	BROWN	0.75	350	9.0 FEMALE LUCAR	6.3 FEMALE LUCAR	EARTH PARKING
13	A3 - C3	GREY / RED	0.75	1300	6.3 MALE LUCAR	6.3 FEMALE LUCAR	PARKING LOOP WITH A3

NOTES:

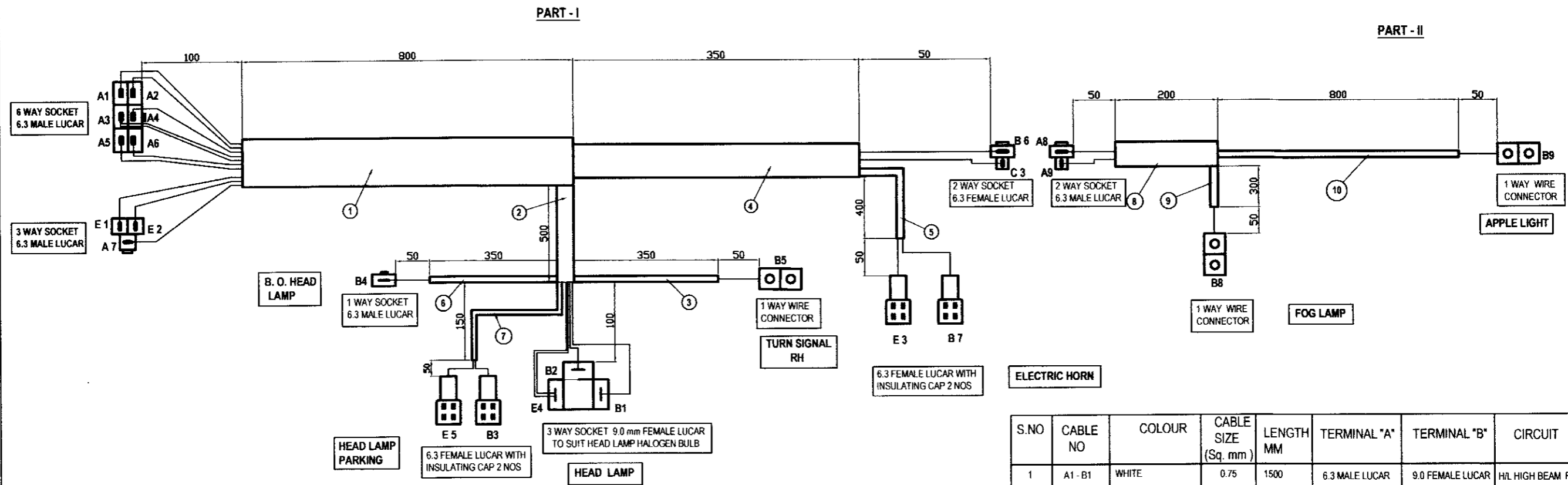
- ALL AUTO CABLES SHOULD BE PREINSULATED AS PER IS: 2465 - 1984 & BS: 6862 - Pt-1 - 1971 / DIN 72551 - PART - 6. FINOLEX / V - GUARD MAKE ONLY TO BE USED.
 - CABLE SIZE & COLOUR CODE AS PER TABLE SHADE NUMBER FOR THE COLOURS AS PER IS: 13313 - 1991
 - CABLES SHOULD CONFIRM TO MATERIALS SECTION - 2 & CONSTRUCTION SECTION - 3 OF IS: 2465-1984 / DIN 72551 - PART - 6.
 - CORRUGATED TUBE AS SHOWN TO BE USED MATL. POLYPROPYLENE CORRUGATED TUBE. SHOULD BE COVERED FULLY WITH PVC BLACK ADHESIVE TAPE AT JUNCTION POINTS, ENDS OF TUBE & AT INTERMEDIATE POINTS AT A DISTANCE OF 200 mm, & SHOULD WORK AT OPERATING TEMPERATURE RANGE - 40 TO +105 Deg. Centigrade.
 - MULTICABLE SOCKETS & TERMINALS USED WITH MULTI CABLE SOCKET SHOULD CONFIRM TO JASO:00605-1974
 - PERMISSIBLE TOLERANCES:
 LENGTH OF CABLE : UPTO 500 500 TO 1000 1000 TO 2000 >2000
 TOLERANCE : +10 / -0 +20 / -0 +30 / -0 +3% / -0 (OF LENGTH)
 - INSPECTION : TEST CERTIFICATES FROM A GOVT. APPROVED AGENCY FOR THE FOLLOWING PARAMETERS TO BE SUBMITTED ALONG WITH HARNESS.
- | TEST TO BE CONDUCTED | EXPECTED RESULTS |
|--|---------------------------------------|
| 01. VOLTAGE TEST (1 KV AC FOR 30 MINUTES FOLLOWED BY GRADUAL INCREASE UPTO 5 KV) | WITHSTANDS |
| 02. VOLUME RESISTIVITY AT 70 Deg. Centigrade. | 1 X 10 ⁻⁹ ohm - cm MINIMUM |
| 03. THERMAL OVERLOAD(HEAT SHOCK TEST) (120 Deg. Centigrade FOR 48 Hrs.FOLLOWED BY VOLTAGE TEST AT 1 KV AC) | NO BREAKDOWN OF INSULATION |
| 04. SHRINKAGE (150 Deg. Centigrade FOR 15 MINUTES) | DEPTH OF INDENTATION 50 % MAXIMUM |
- PACKING : EACH LOOM SHOULD BE SUPPLIED IN SEPARATE PACKING.
 - GUARANTEE : THE SUPPLIER SHOULD GIVE GUARANTEE FOR ONE YEAR FROM THE DATE OF INSTALLATION OF HARNESS ON THE VEHICLE WHICH EVER IS LATER.
 - IDENTIFICATION SLEEVES (CIRCUIT) AS SHOWN IN TABLE TO BE PROVIDED ON BOTH A & B TERMINALS.
 - SOCKETS ARE SHOWN AS VIEWED FROM CABLE ENTRY SIDE.
 - ALL DIMENSIONS ARE IN mm.

10	PVC SLEEVE BLACK	1			4 Ø X 800	
9	PVC SLEEVE BLACK	1			4 Ø X 300	
8	PVC SLEEVE BLACK	1			6 Ø X 200	
7	PVC SLEEVE BLACK	1			6 Ø X 150	
6	PVC SLEEVE BLACK	1			4 Ø X 350	
5	PVC SLEEVE BLACK	1			6 Ø X 400	
4	CORRUGATED TUBE	1			8 Ø X 350	
3	PVC SLEEVE BLACK	1			4 Ø X 350	
2	CORRUGATED TUBE	1			10 Ø X 500	
1	CORRUGATED TUBE	1			16 Ø X 800	

ITEM	DESCRIPTION	NO OFF	MAT.	STD.	SIZE/WT	REMARKS
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INDEX	ALTERATION	DATE	WM/BS	JWM/VDO	JWM/MPV
<p>APPROVED BY: [Signatures]</p> <p>DRN D X VISHWAKARMA</p> <p>QTY. :- 01 / VEH.</p>					
<p>HEAD LAMP HARNESS (RH) (MPV, BS - III)</p>			<p>NEW DRAWING</p>		<p>NTS</p>
<p>VDO</p>			<p>VEHICLE FACTORY JABALPUR</p>		<p>SCALE</p>
<p>DRG. NO. 115-43-0053-1</p>			<p>DATE</p>		<p>1/1</p>

NOTE: PART - I TO BE CONNECTED WITH PART - II



S.NO	CABLE NO	COLOUR	CABLE SIZE (Sq. mm)	LENGTH MM	TERMINAL "A"	TERMINAL "B"	CIRCUIT
1	A1 - B1	WHITE	0.75	1500	6.3 MALE LUCAR	9.0 FEMALE LUCAR	H/L HIGH BEAM RH
2	A2 - B2	YELLOW	0.75	1500	6.3 MALE LUCAR	9.0 FEMALE LUCAR	H/L LOW BEAM RH
3	A3 - B3	GREY / RED	0.75	1600	6.3 MALE LUCAR	5 FEMALE LUCAR	H/L PARKING
4	A4 - B4	WHITE / RED	0.75	1800	6.3 MALE LUCAR	6.3 FEMALE LUCAR	B.O. HEAD LAMP
5	A5 - B5	GREEN	0.75	1800	6.3 MALE LUCAR	SOLDERED END	TURN SIGNAL RH
6	A6 - B6	RED	0.75	1300	6.3 MALE LUCAR	6.3 FEMALE LUCAR	FOG LAMP
7	A7 - B7	BROWN / YELLOW	1.0	1700	6.3 MALE LUCAR	6.3 FEMALE LUCAR	ELECTRIC HORN
8	A8 - B8	RED	0.75	600	6.3 MALE LUCAR	SOLDERED END	FOG LAMP
9	A9 - B9	GREY / RED	0.75	1100	8 MALE LUCAR	6.3 FEMALE LUCAR	APPLE LIGHT
10	E1 - E4	BROWN	1.0	1500	6.3 MALE LUCAR	9.0 FEMALE LUCAR	EARTH H/LAMP
11	E2 - E3	BROWN	1.0	1700	6.3 MALE LUCAR	6.3 FEMALE LUCAR	EARTH ELECT. HORN
12	E4 - E5	BROWN	0.75	350	9.0 FEMALE LUCAR	6.3 FEMALE LUCAR	EARTH PARKING
13	A3 - C3	GREY / RED	0.75	1300	6.3 MALE LUCAR	6.3 FEMALE LUCAR	PARKING LOOP WITH A3

NOTES:

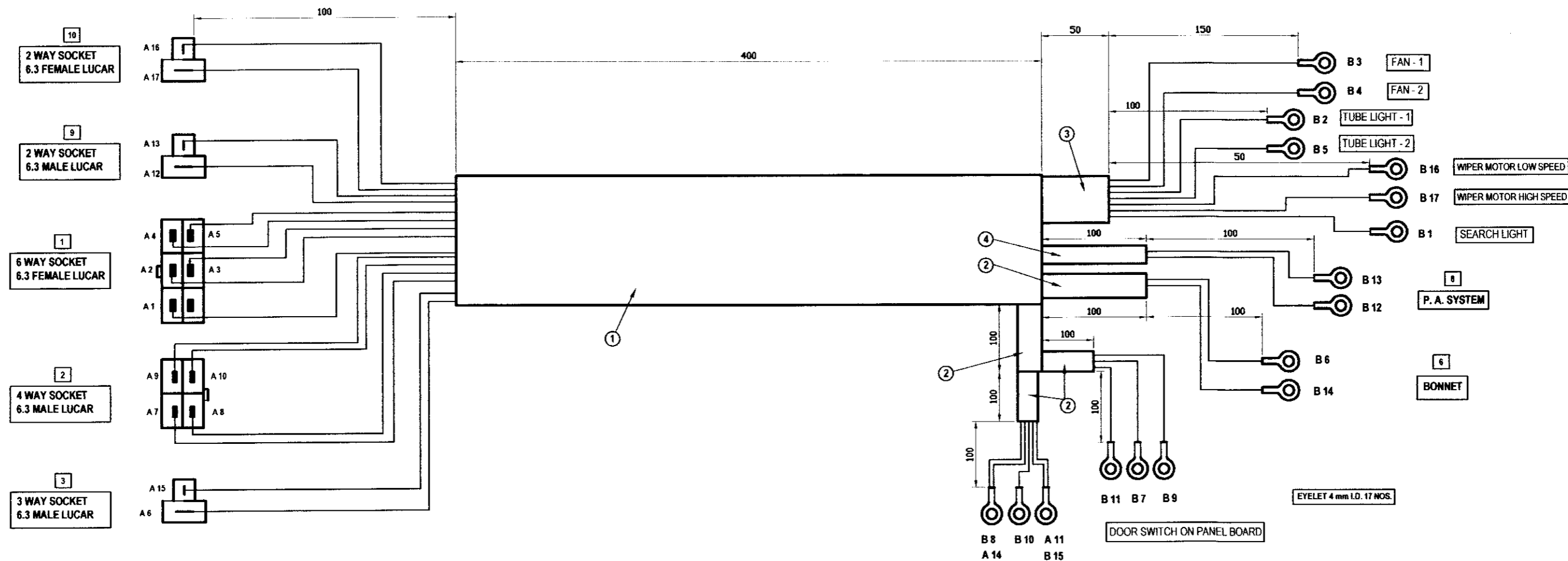
- ALL AUTO CABLES SHOULD BE PREINSULATED AS PER IS: 2465 - 1984 & BS: 6862 - Pt-1 - 1971 / DIN 72551 - PART - 6. FINOLEX / V - GUARD MAKE ONLY TO BE USED.
- CABLE SIZE & COLOUR CODE AS PER TABLE SHADE NUMBER FOR THE COLOURS AS PER IS: 13313 - 1991
- CABLES SHOULD CONFIRM TO MATERIALS SECTION - 2 & CONSTRUCTION SECTION - 3 OF IS: 2465-1984 / DIN 72551 - PART - 6.
- CORRUGATED TUBE AS SHOWN TO BE USED MATL. POLYPROPYLENT CORRUGATED TUBE. SHOULD BE COVERED FULLY WITH PVC BLACK ADHESIVE TAPE AT JUNCTION POINTS, ENDS OF TUBE & AT INTERMEDIATE POINTS AT A DISTANCE OF 200 mm, & SHOULD WORK AT OPERATING TEMPERATURE RANGE - 40 TO +105 Deg. Centigrade.
- MULTICABLE SOCKETS & TERMINALS USED WITH MULTI CABLE SOCKET SHOULD CONFIRM TO JASO:00605-1974
- PERMISSIBLE TOLERANCES:
 LENGTH OF CABLE: UPTO 500 500 TO 1000 1000 TO 2000 >2000
 TOLERANCE: +10/-0 +20/-0 +30/-0 +3%/-0 (OF LENGTH)
- INSPECTION: TEST CERTIFICATES FROM A GOVT. APPROVED AGENCY FOR THE FOLLOWING PARAMETERS TO BE SUBMITTED ALONG WITH HARNESS.

TEST TO BE CONDUCTED	EXPECTED RESULTS
01. VOLTAGE TEST (1 KV AC FOR 30 MINUTES FOLLOWED BY GRADUAL INCREASE UPTO 5 KV)	WITHSTANDS
02. VOLUME RESISTIVITY AT 70 Deg. Centigrade.	1 X 10 ⁻⁹ ohm - cm MINIMUM
03. THERMAL OVERLOAD (HEAT SHOCK TEST) (120 Deg. Centigrade FOR 48 Hrs. FOLLOWED BY VOLTAGE TEST AT 1 KV AC)	NO BREAKDOWN OF INSULATION
04. SHRINKAGE (150 Deg. Centigrade FOR 15 MINUTES)	DEPTH OF INDENTATION 50 % MAXIMUM

- PACKING: EACH LOOM SHOULD BE SUPPLIED IN SEPARATE PACKING.
- GUARANTEE: THE SUPPLIER SHOULD GIVE GUARANTEE FOR ONE YEAR FROM THE DATE OF INSTALLATION OF HARNESS ON THE VEHICLE WHICH EVER IS LATER.
- IDENTIFICATION SLEEVES (CIRCUIT) AS SHOWN IN TABLE TO BE PROVIDED ON BOTH A & B TERMINALS.
- SOCKETS ARE SHOWN AS VIEWED FROM CABLE ENTRY SIDE.
- ALL DIMENSIONS ARE IN mm.

ITEM	DESCRIPTION	NO. OFF	MAT.	STD.	SIZE/WT.	REMARKS
10	PVC SLEEVE BLACK	1			4 Ø X 800	
9	PVC SLEEVE BLACK	1			4 Ø X 300	
8	PVC SLEEVE BLACK	1			6 Ø X 200	
7	PVC SLEEVE BLACK	1			6 Ø X 150	
6	PVC SLEEVE BLACK	1			4 Ø X 350	
5	PVC SLEEVE BLACK	1			6 Ø X 400	
4	CORRUGATED TUBE	1			8 Ø X 350	
3	PVC SLEEVE BLACK	1			4 Ø X 350	
2	CORRUGATED TUBE	1			10 Ø X 500	
1	CORRUGATED TUBE	1			16 Ø X 800	

INDEX	ALTERATION	DATE	WMRS	JMM/VOO	JMM/VPV
		APPD. BY:			
DIMENS: 10L DIMENS: 10L 0 - 30 ±0.1 00-2000 ±0.5 30 - 250 ±0.2 >2000 ±0.8 250-800 ±0.3		QTY. - 01 / VEIL.		NEW DRAWING REF. DRG. NO.	
GENERAL TOLERANCE THIRD ANGLE PROJECTION		HEAD LAMP HARNESS (LH) (MPV, BS - III)		NTS SCALE DATE: 04/05/11 1/1 SHTS	
VDO		VEHICLE FACTORY JABALPUR		115-43-0054-1 DRG. NO.	



ITEM	DESCRIPTION	NO. OFF	MAT.	STD.	SIZE/WT.	REMARKS
4	PVC SLEEVE BLACK	1			4 Ø X 100	
3	PVC SLEEVE BLACK	1			12 Ø X 50	
2	PVC SLEEVE BLACK	4			8 Ø X 100	
1	PVC SLEEVE BLACK	1			14 Ø X 400	

S.NO	CABLE NO	COLOUR	SIZE SQ.MM	LENGTH MM	TERMINAL "B"	TERMINAL "A"	CIRCUIT
1	A 1 - B 1	GREY	1.0	600	EYELET 4mm I.D.	6.3 FEMALE LUCAR	SEARCH
2	A 2 - B 2	ORANGE	1.0	650	EYELET 4mm I.D.	6.3 FEMALE LUCAR	TUBE LIGHT - 1
3	A 3 - B 3	GREEN	1.0	700	EYELET 4mm I.D.	6.3 FEMALE LUCAR	FAN - 1
4	A 4 - B 4	YELLOW	1.0	700	EYELET 4mm I.D.	6.3 FEMALE LUCAR	FAN - 2
5	A 5 - B 5	PINK	1.0	650	EYELET 4mm I.D.	6.3 FEMALE LUCAR	TUBE LIGHT - 2
6	A 6 - B 6	GREEN / BLACK	1.0	700	EYELET 4mm I.D.	6.3 MALE LUCAR	BONNET SOLENOID
7	A 7 - B 7	ORANGE / WHITE	1.0	800	EYELET 4mm I.D.	6.3 MALE LUCAR	DOOR SOLENOID
8	A 8 - B 8	WHITE / BLUE	1.5	800	EYELET 4mm I.D.	6.3 MALE LUCAR	+ B DOOR SWITCH
9	A 9 - B 9	ORANGE / YELLOW	1.0	800	EYELET 4mm I.D.	6.3 MALE LUCAR	DOOR SOLENOID
10	A 10 - B 10	GREEN / BLACK	1.0	800	EYELET 4mm I.D.	6.3 MALE LUCAR	+ B REAR DOOR SW
11	A 11 - B 11	RED / BLACK	1.0	400	EYELET 4mm I.D.	EYELET 4mm I.D.	+ B INT. DOOR SW
12	A 12 - B 12	RED / BLUE	1.0	700	EYELET 4mm I.D.	6.3 MALE LUCAR	+ B IN P. A. SYS. SWITCH
13	A 13 - B 13	RED	1.0	700	EYELET 4mm I.D.	6.3 MALE LUCAR	+ B OUT P. A. SYSTEM SW
14	A 14 - B 14	WHITE / BLUE	1.0	500	EYELET 4mm I.D.	EYELET 4mm I.D.	+ B BONNET SW
15	A 15 - B 15	RED / BLACK	1.0	800	EYELET 4mm I.D.	6.3 MALE LUCAR	+ B REAR INT DOOR SW
16	A 16 - B 16	BLUE	1.0	600	EYELET 4mm I.D.	6.3 MALE LUCAR	WIPER LOW SPEED
17	A 17 - B 17	BLUE / RED	1.0	600	EYELET 4mm I.D.	6.3 MALE LUCAR	WIPER HIGH SPEED

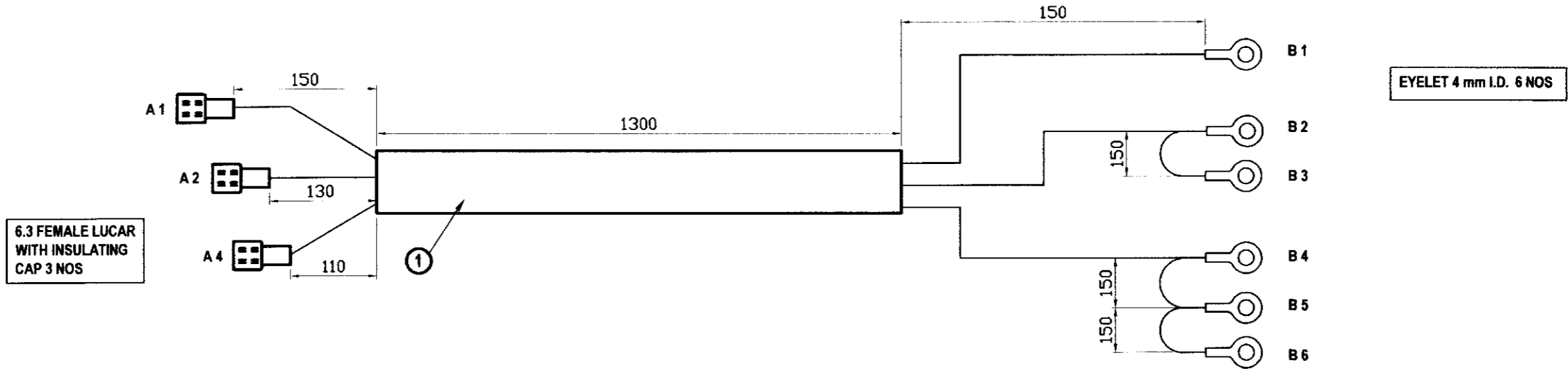
NOTES:

- ALL AUTO CABLES SHOULD BE PREINSULATED AS PER IS: 2465 - 1984 & BS: 6862 - Pt.1 - 1971 / DIN 72561 - PART - 6. FINOLCX / V - GUARD MAKE ONLY TO BE USED.
- CABLE SIZE & COLOUR CODE AS PER TABLE. SHADE NUMBER FOR THE COLOURS AS PER IS: 13313 - 1991
- CABLES SHOULD CONFIRM TO MATERIALS SECTION - 2 & CONSTRUCTION SECTION - 3 OF IS: 2465-1984 / DIN 72561 - PART - 6.
- CORRUGATED TUBE AS SHOWN TO BE USED MATL. POLYPROPYLENT CORRUGATED TUBE. SHOULD BE COVERED FULLY WITH PVC BLACK ADHESIVE TAPE AT JUNCTION POINTS, ENDS OF TUBE & AT INTERMEDIATE POINTS AT A DISTANCE OF 200 mm. & SHOULD WORK AT OPERATING TEMPERATURE RANGE - 40 TO + 105 Deg. Centigrade.
- MULTICABLE SOCKETS & TERMINALS USED WITH MULTI CABLE SOCKET SHOULD CONFIRM TO JASO:00605-1974
- PERMISSIBLE TOLERANCES:
 LENGTH OF CABLE: UPTO 500 500 TO 1000 1000 TO 2000 >2000
 TOLERANCE: +10/-0 +20/-0 +30/-0 +3 % / 0 (OF LENGTH)
- INSPECTION: TEST CERTIFICATES FROM A GOVT. APPROVED AGENCY FOR THE FOLLOWING PARAMETERS TO BE SUBMITTED ALONG WITH HARNESS.

TEST TO BE CONDUCTED	EXPECTED RESULTS
01. VOLTAGE TEST (1 KV AC FOR 30 MINUTES FOLLOWED BY GRADUAL INCREASE UPTO 5 KV)	WITHSTANDS
02. VOLUME RESISTIVITY AT 70 Deg. Centigrade.	1 X 10 ⁻⁹ ohm - cm MINIMUM
03. THERMAL OVERLOAD (HEAT SHOCK TEST) (120 Deg. Centigrade FOR 48 Hrs. FOLLOWED BY VOLTAGE TEST AT 1 KV AC)	NO BREAKDOWN OF INSULATION
04. SHRINKAGE (150 Deg. Centigrade FOR 15 MINUTES)	DEPTH OF INDENTATION 50 % MAXIMUM
- PACKING: EACH LOOM SHOULD BE SUPPLIED IN SEPARATE PACKING.
- GUARANTEE: THE SUPPLIER SHOULD GIVE GUARANTEE FOR ONE YEAR FROM THE DATE OF INSTALLATION OF HARNESS ON THE VEHICLE WHICH EVER IS LATER.
- IDENTIFICATION SLEEVES (CIRCUIT) AS SHOWN IN TABLE TO BE PROVIDED ON BOTH A & B TERMINALS.
- SOCKETS ARE SHOWN AS VIEWED FROM CABLE ENTRY SIDE.
- ALL DIMENSIONS ARE IN mm.

INDEX	ALTERATION	DATE	WMBS	JMM/VDO	JMM/MPV																									
<table border="0" style="width: 100%;"> <tr> <td style="text-align: center;">JLGM / VS</td> <td style="text-align: center;">WM / BS</td> <td style="text-align: center;">JMM / VDO</td> <td style="text-align: center;">DGM / VA</td> <td style="text-align: center;">JMM / SA</td> <td style="text-align: center;">CKD - C. SINGH</td> <td style="text-align: center;">DRN D. K. VISWANATHAN</td> </tr> <tr> <td colspan="6" style="text-align: center;"> C/A LIGHT & FAN SWITCH (MPV, BS - III) </td> </tr> <tr> <td colspan="6" style="text-align: center;"> GENERAL TOLERANCE THIRD ANGLE PROJECTION </td> </tr> <tr> <td colspan="4" style="text-align: center;">VDO</td> <td colspan="2" style="text-align: center;">VEHICLE FACTORY JABALPUR</td> </tr> </table>						JLGM / VS	WM / BS	JMM / VDO	DGM / VA	JMM / SA	CKD - C. SINGH	DRN D. K. VISWANATHAN	C/A LIGHT & FAN SWITCH (MPV, BS - III)						GENERAL TOLERANCE THIRD ANGLE PROJECTION						VDO				VEHICLE FACTORY JABALPUR	
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NEW DRAWING REF. DRG. NO.				NTS SCALE																										
REF. DEMAND NO.				DATE 06 / 05 / 11																										
DRG. NO.				115-43-0055-1																										

DRG. NO. 115-43-0056-1



6.3 FEMALE LUCAR WITH INSULATING CAP 3 NOS

S.NO	CABLE NO	COLOUR	SIZE SQ.MM	LENGTH MM	TERMINAL "B"	TERMINAL "A"	CIRCUIT
1	A 1 - B 1	BLUE	1.0	1600	EYELET 4 mm I.D.	6.3 MALE LUCAR	WIPER MOTOR (SW)
2	A 2 - B 2	YELLOW	1.0	1580	EYELET 4 mm I.D.	6.3 MALE LUCAR	FAN - 1 (SW)
3	B 2 - B 3	YELLOW	1.0	150	EYELET 4 mm I.D.	EYELET 4 mm I.D.	FAN - 2 (SW) LOOP
4	A 4 - B 4	ORANGE	1.5	1560	EYELET 4 mm I.D.	6.3 MALE LUCAR	TUBE / SEARCH LIGHT
5	B 4 - B 5	ORANGE	1.0	150	EYELET 4 mm I.D.	EYELET 4 mm I.D.	TUBE / SEARCH LIGHT
6	B 5 - B 6	ORANGE	1.0	150	EYELET 4 mm I.D.	EYELET 4 mm I.D.	TUBE / SEARCH LIGHT

ITEM	DESCRIPTION	NO. OFF	MAT.	STD.	SIZE/WT.	REMARKS
1	PVC SLEEVE BLACK	1			8 Ø X 1300	

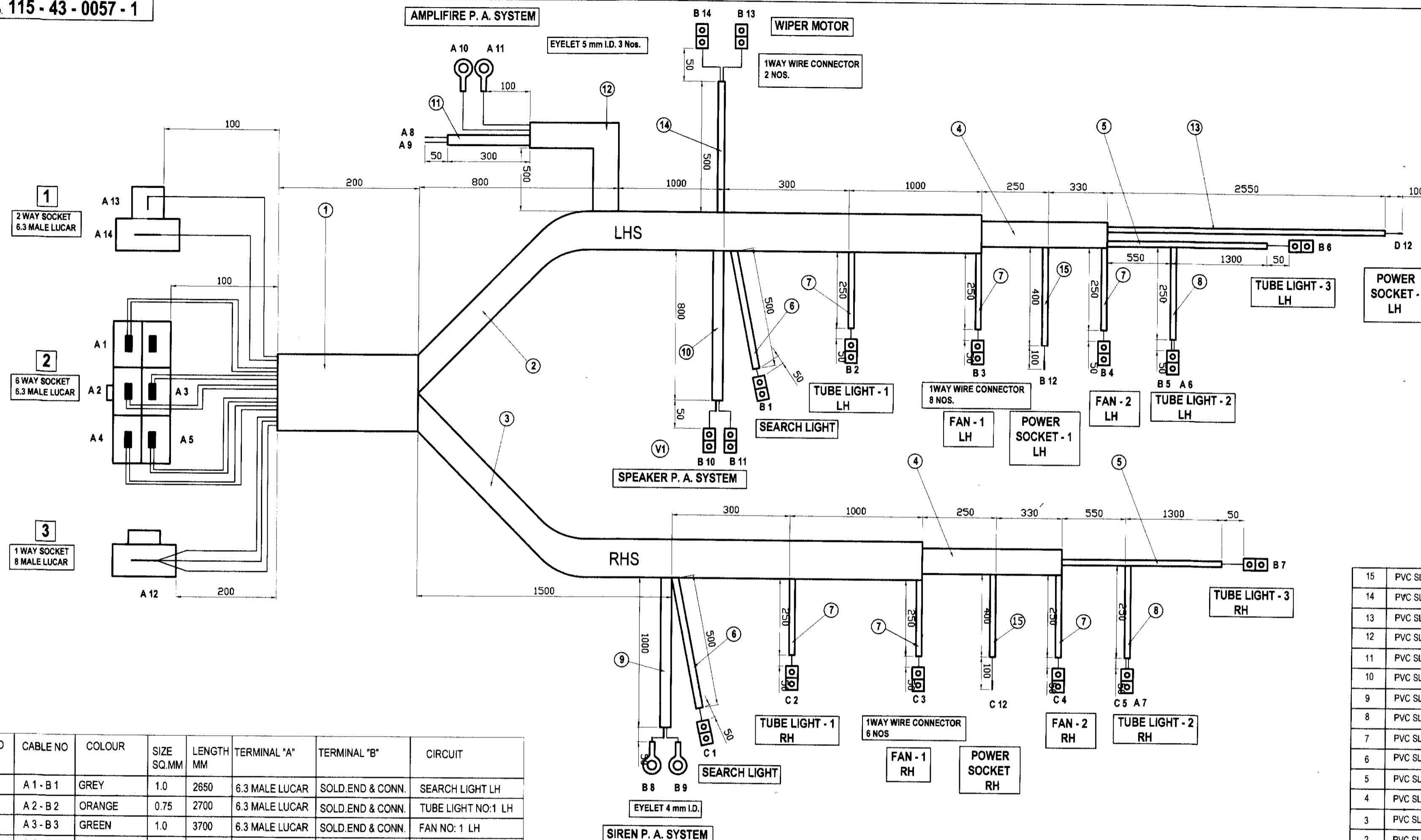
NOTES:

- ALL AUTO CABLES SHOULD BE PREINSULATED AS PER IS: 2465 - 1984 & BS: 6862 - Pt-1 - 1971 / DIN 72551 - PART - 6. FINOLEX / V - GUARD MAKE ONLY TO BE USED.
- CABLE SIZE & COLOUR CODE AS PER TABLE SHADE NUMBER FOR THE COLOURS AS PER IS: 13313 - 1991
- CABLES SHOULD CONFIRM TO MATERIALS SECTION - 2 & CONSTRUCTION SECTION - 3 OF IS: 2465-1984 / DIN 72551 - PART - 6.
- CORRUGATED TUBE AS SHOWN TO BE USED MATL. POLYPROPYLENT CORRUGATED TUBE. SHOULD BE COVERED FULLY WITH PVC BLACK ADHESIVE TAPE AT JUNCTION POINTS, ENDS OF TUBE & AT INTERMEDIATE POINTS AT A DISTANCE OF 200 mm, & SHOULD WORK AT OPERATING TEMPERATURE RANGE - 40 TO +105 Deg. Centigrade.
- MULTICABLE SOCKETS & TERMINALS USED WITH MULTI CABLE SOCKET SHOULD CONFIRM TO JASO:00605-1974
- PERMISSIBLE TOLERANCES:
 LENGTH OF CABLE : UPTO 500 500 TO 1000 1000 TO 2000 >2000
 TOLERANCE : +10 / -0 +20 / -0 +30 / -0 +3% / -0 (OF LENGTH)
- INSPECTION : TEST CERTIFICATES FROM A GOVT. APPROVED AGENCY FOR THE FOLLOWING PARAMETERS TO BE SUBMITTED ALONG WITH HARNESS.

TEST TO BE CONDUCTED	EXPECTED RESULTS
01. VOLTAGE TEST (1 KV AC FOR 30 MINUTES FOLLOWED BY GRADUAL INCREASE UPTO 5 KV)	WITHSTANDS
02. VOLUME RESISTIVITY AT 70 Deg. Centigrade .	1 X 10 ⁻⁹ ohm - cm MINIMUM
03. THERMAL OVERLOAD(HEAT SHOCK TEST) (120 Deg. Centigrade FOR 48 Hrs.FOLLOWED BY VOLTAGE TEST AT 1 KV AC)	NO BREAKDOWN OF INSULATION
04. SHRINKAGE (150 Deg. Centigrade FOR 15 MINUTES)	DEPTH OF INDENTATION 50% MAXIMUM

- PACKING : EACH LOOM SHOULD BE SUPPLIED IN SEPARATE PACKING.
- GUARANTEE : THE SUPPLIER SHOULD GIVE GUARANTEE FOR ONE YEAR FROM THE DATE OF INSTALLATION OF HARNESS ON THE VEHICLE WHICH EVER IS LATER.
- IDENTIFICATION SLEEVES (CIRCUIT) AS SHOWN IN TABLE TO BE PROVIDED ON BOTH A & B TERMINALS .
- SOCKETS ARE SHOWN AS VIEWED FROM CABLE ENTRY SIDE .
- ALL DIMENSIONS ARE IN mm .

INDEX	ALTERATION	DATE	WM/BS	JWM/VDO	JWM/MPV
APPD. BY 					
J.GM / VS	WM / BS	JWM / VDO	DGM / V A	JWM / SA	CKD.- C. SINGH
DIMENS. TOL. DIMENS. TOL. 0 - 30 ±0.1 800-2000 ±0.5 30 - 250 ±0.2 >2000 ±0.8 250-800 ±0.3					QTY. :- 01 / VEH.
C/A FUSE BOX (MPV, BS - III)				NEW DRAWING REF.DRG. NO.	NTS SCALE 11/05/11 DATE
GENERAL TOLERANCE THIRD ANGLE PROJECTION 				REF. DEMAND NO.	1/1 SHTS
VDO		VEHICLE FACTORY JABALPUR		DRG. NO. 115-43-0056-1	



S.NO	CABLE NO	COLOUR	SIZE SQ.MM	LENGTH MM	TERMINAL "A"	TERMINAL "B"	CIRCUIT
1	A 1 - B 1	GREY	1.0	2650	6.3 MALE LUCAR	SOLD.END & CONN.	SEARCH LIGHT LH
2	A 2 - B 2	ORANGE	0.75	2700	6.3 MALE LUCAR	SOLD.END & CONN.	TUBE LIGHT NO:1 LH
3	A 3 - B 3	GREEN	1.0	3700	6.3 MALE LUCAR	SOLD.END & CONN.	FAN NO: 1 LH
4	A 4 - B 4	YELLOW	1.0	4280	6.3 MALE LUCAR	SOLD.END & CONN.	FAN NO: 2 LH
5	A 5 - B 5	PINK	0.75	4830	6.3 MALE LUCAR	SOLD.END & CONN.	TUBE LIGHT NO:2 LH
6	A 6 - B 6	PINK	0.75	1650	SOLD.END & CONN.	SOLD.END & CONN.	TUBE LIGHT NO:3 LH
7	A 1 - C 1	GREY	1.0	2350	6.3 MALE LUCAR	SOLD.END & CONN.	SEARCH LIGHT RH
8	A 2 - C 2	ORANGE	0.75	2400	6.3 MALE LUCAR	SOLD.END & CONN.	TUBE LIGHT NO:1 RH
9	A 3 - C 3	GREEN	1.0	3400	6.3 MALE LUCAR	SOLD.END & CONN.	FAN NO: 1 RH
10	A 4 - C 4	YELLOW	1.0	3980	6.3 MALE LUCAR	SOLD.END & CONN.	FAN NO: 2 RH
11	A 5 - C 5	PINK	0.75	4530	6.3 MALE LUCAR	SOLD.END & CONN.	TUBE LIGHT NO:2 RH
12	A 7 - B 7	PINK	0.75	1650	SOLD.END & CONN.	SOLD.END & CONN.	TUBE LIGHT NO:3 RH
13	A 8 - B 8	YELLOW / RED	1.0	4200	SOLDERED END	EYELET 4 mm I.D.	SIREN P. A. SYSTEM
14	A 9 - B 9	YELLOW / RED	1.0	4200	SOLDERED END	EYELET 4 mm I.D.	SIREN P. A. SYSTEM
15	A 10 - B 10	BLACK	1.0	2375	EYELET 5mm I.D.	SOLD.END & CONN.	SPEAKER P. A. SYSTEM
16	A 11 - B 11	RED	1.0	225	EYELET 5mm I.D.	SOLD.END & CONN.	SPEAKER P. A. SYSTEM
17	A 12 - B 12	RED / WHITE	1.0	4250	8 MALE LUCAR	SOLD.END	POWER SOCKET - 1 LH
18	A 12 - C 12	RED / WHITE	1.0	3950	8 MALE LUCAR	SOLD.END	POWER SOCKET - RH
19	A 12 - D 12	RED/WHITE	1.0	6730	8 MALE LUCAR	SOLD.END	POWER SOCKET - 2 LH
20	A 13 - B 13	BLUE	1.0	2650	6.3 MALE LUCAR	SOLD.END & CONN.	WIPER MOTOR LOW SP.
21	A 14 - B 14	BLUE / RED	1.0	2650	6.3 MALE LUCAR	SOLD.END & CONN.	WIPER MOTOR HIGH SP.

SOLD.END & CONN. = SOLDERED END & 1 WAY WIRE CONNECTOR

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- PERMISSIBLE TOLERANCES:
 LENGTH OF CABLE: UPTO 500 500 TO 1000 1000 TO 2000 >2000
 TOLERANCE: +10 / -0 +20 / -0 +30 / -0 +3% / -0 (OF LENGTH)
- INSPECTION: TEST CERTIFICATES FROM A GOVT. APPROVED AGENCY FOR THE FOLLOWING PARAMETERS TO BE SUBMITTED ALONG WITH HARNESS.

TEST TO BE CONDUCTED	EXPECTED RESULTS
01. VOLTAGE TEST (1 KV AC FOR 30 MINUTES FOLLOWED BY GRADUAL INCREASE UPTO 5 KV)	WITHSTANDS
02. VOLUME RESISTIVITY AT 70 Deg. Centigrade.	1 X 10 ¹⁰ ohm - cm MINIMUM
03. THERMAL OVERLOAD (HEAT SHOCK TEST) (120 Deg. Centigrade FOR 48 Hrs, FOLLOVED BY VOLTAGE)	NO BREAKDOWN OF INSULATION
TEST AT 1 KV AC	
04. SHRINKAGE (150 Deg. Centigrade FOR 15 MINUTES)	DEPTH OF INDENTATION 50% MAXIMUM

- PACKING: EACH LOOM SHOULD BE SUPPLIED IN SEPARATE PACKING.
- GUARANTEE: THE SUPPLIER SHOULD GIVE GUARANTEE FOR ONE YEAR FROM THE DATE OF INSTALLATION OF HARNESS ON THE VEHICLE WHICH EVER IS LATER.
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- ALL DIMENSIONS ARE IN mm.

ITEM	DESCRIPTION	NO. OFF	MAT.	STD.	SIZE/WT.	REMARKS
15	PVC SLEEVE BLACK	2			6 Ø X 400	
14	PVC SLEEVE BLACK	1			6 Ø X 500	
13	PVC SLEEVE BLACK	1			4 Ø X 2550	
12	PVC SLEEVE BLACK	1			8 Ø X 500	
11	PVC SLEEVE BLACK	1			6 Ø X 300	
10	PVC SLEEVE BLACK	1			6 Ø X 800	
9	PVC SLEEVE BLACK	1			6 Ø X 1000	
8	PVC SLEEVE BLACK	2			6 Ø X 250	
7	PVC SLEEVE BLACK	8			4 Ø X 250	
6	PVC SLEEVE BLACK	2			4 Ø X 500	
5	PVC SLEEVE BLACK	2			4 Ø X 1850	
4	PVC SLEEVE BLACK	2			6 Ø X 580	
3	PVC SLEEVE BLACK	1			12 Ø X 2800	
2	PVC SLEEVE BLACK	1			12 Ø X 3100	
1	PVC SLEEVE BLACK	1			16 Ø X 200	

INDEX		ALTERATION		DATE	WM/BS	JWM/VDO	JWM/MPV
J.GM / VS		WM / BS		APPD. BY		QTY. : - 01 / VEE.	
DIMENS. TOL.		DIMENS. TOL.		CKD. C. SINGH		DRN D. K. VISHNAKARMA	
0 - 30 ±0.1		800-2000 ±0.5		INDOOR LIGHT & FAN HARNESS (MPV, BS - III)		NEW DRAWING NTS SCALE	
30 - 250 ±0.2		>2000 ±0.8		GENERAL TOLERANCE		12 / 05 / 11	
250-800 ±0.3				THIRD ANGLE PROJECTION		DATE	
				VDO		1 / 1	
				VEHICLE FACTORY JABALPUR		SHTS	
				115 - 43 - 0057 - 1		REF. DEMAND NO.	
				DRG. NO.			

