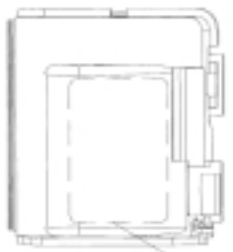
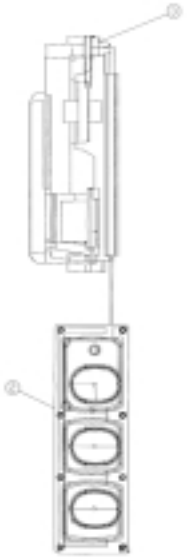
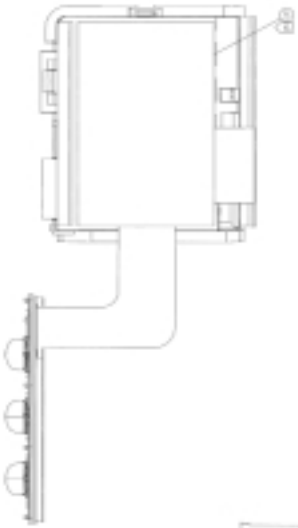






VARIANT REV C
02 R250 MASK III

PROJECTION
W7

MANUALLY ASSEMBLED PARTS

LOCATION	DESCRIPTION	PARTS #	QTY
1	PCB COMP SD CHANGE-OVE (TO DEVICE)	[illegible]	1
2	DEVICE MASK (TO HOUSING) (SEE NOTE 9)	[illegible]	1
3	CONDUCTIVE CHANGE-OVER WIRE (SEE NOTE 9)	[illegible]	1
4	CABLE TIES, 3.5 x 2.5	[illegible]	1
5	FOAM ADHESIVE	[illegible]	1

NOTES:

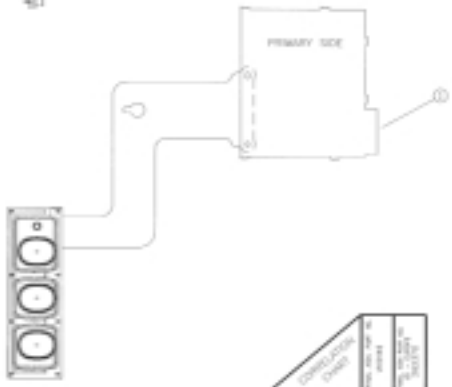
1. REFERENCE ES-A-610 STANDARD FOR ASSEMBLY PRACTICES AND PROCEDURES, UNLESS OTHERWISE SPECIFIED.
2. ATTACH ITEM 2 TO ITEM 1 USING LAP SOLDER PROCESS.
3. ENCLOSE ELECTRONICS IN HOUSING (ITEM 3).
4. AFTER LAP SOLDER, ASSEMBLY MUST BE FUNCTIONALLY TESTED.
5. PLACE BAR CODE /PATENT LABEL (ITEM 4) IN AREA INDICATED. DO NOT COVER OPENINGS IN HOUSING OR MARKINGS ON HOUSING.
6. FOAM (ITEM 5) MAY NOT PROTRUDE BEYOND EDGES OF HOUSING. DO NOT COVER MARKINGS IN HOUSING.
7. ASSEMBLED IS TO PRINT (ABE). INFORMATION AS SHOWN, USING ADHESIVE LABEL (ITEM 4).
8. REFER TO LATEST REVISION OF DRAWING (ABE) FOR ACTUAL PATENT NUMBERS FOR THE PATENT GROUP IDENTIFIED.
9. LAY OUT PATENT NUMBERS TO FILL SPACE AVAILABLE. THE NATION / ORGANIZATION OF OPEN HOUSINGS MUST BE MAINTAINED FOR CORRESPONDING PATENT NUMBERS AS SHOWN ON LATEST REVISION OF DRAWING (ABE).
10. THE RAM ON EACH PART WILL BE PROGRAMMED WITH THE FOLLOWING POWER LEVEL SETTINGS FOR FCC COMPLIANCE.

MASKS	FREQ. RANGE (MHz)	RAM POWER LEVEL (HEX)	RAM ADDRESS	FCC CERTIFIED POWER LEVEL (DBM EIRP)	NEEDS TO BE PROGRAMMED IN RAM
0	895–905	0x0BF5	0x00	0x0BF5	NO
1	903–913	0x0BF3	0x0C	0x0BF5	YES
2	915–925	0x0AF3	0x0F	0x0BF3	YES
3	925–935	0x0AF1	0x10	0x0BF5	YES
4	930–940	0x0C0B	0x11	0x0F13	YES
5	938–948	0x0F11	0x12	0x0BF5	YES
DEFAULT FROM POWER		0x0C0F	0x04	0x0C0C	YES
(RESERVED)		0x0000	0x13	–	NO
BAD TX POWER		0x0E7F	0x14	–	NO

NOTE: THE RAM VALUE INCLUDES A SELF CHECK. HIGH BYTE IS THE ACTUAL VALUE, LOW BYTE IS COMPLEMENT OF HIGH BYTE + 2.

NOTE: THESE RAM VALUES ARE TO BE USED ONLY IN VEHICLES WITHOUT METALLIC GLASS.

11. TRAINING SENSITIVITY:
    A. THE PROCESSOR THRESHOLD IS PROGRAMMED IN RAM ADDRESS 0x09. MEASURE RSSI AT NODAL WITH A 10dBm @ 2MS TRAFFIC SIGNAL AND VOLT @ PROMPTS.
       THE RECEIVER THRESHOLD = 12.22 + (0.116 * RSSI)
    B. THE RECEIVER THRESHOLD IS PUT IN THE UPPER BYTE. THE LOWER BYTE IS THE UPPER BYTE +2, THEN INVERTED.



ISOMETRIC VIEW
FOR REFERENCE ONLY

CONNECTION CHART			
		FROM: CONN. PART NO. / PIN NO.	TO: CONN. PART NO. / PIN NO.
CONNECTOR NAME	NET	REF	REF
J1	COLUMN1	J1	–
J2	COLUMN2	J2	–
J3	PRIMARY	J3	–
J4	COLUMN3	J4	–
J5	CHAMPING	J5	–

ELECTRONICS STD. UNLESS OTHERWISE SPECIFIED			
▷ ⊕ THIRD ANGLE PROJECTION	02 R250 MASK III	DRAWN BY: JERRY SUMMERVILLE	07/19/01
DO NOT SCALE		APPD BY: AARON DUNSMORE	07/19/01
	R & E	MFG APP: RICK FIGURA	07/19/01
		REV: NONE	SHEET 1 OF 1
REV: 0	REV DATE: NONE	REV DESC:	DWG NO: VK9446
			SIZE: E

JOHNSON CONTROLS

ELECTRONIC ASSEMBLY

REV	REV.	DESCRIPTION	CHKD	APP	DATE	BY
0		RELEASE FOR PRODUCTION	[illegible]	[illegible]	11-JUL-01	[illegible]
A	1	REV COMP TOOL REMOVE NOTE 12 CHANGE NOTE 9 CHANGE NOTE 9 AND CHANGE 4 TO 12 REVISE LABEL DESCRIPTION, ADD ADD. CHANGE NUMBERS ARE NOW REV C	[illegible]	[illegible]	12-JAN-01	[illegible]
C		REV COMP TOOL	[illegible]	[illegible]	04JUL01	[illegible]
D		REVISE NOTE 10 ADD NOTE 11 REVISE NOTE 9 REVISE LABEL DESCRIPTION CHANGE 4 TO 12 AND 12 TO 4	[illegible]	[illegible]	18-JAN01	[illegible]
E		REV COMPONENT REVISE NOTE 10 REVISE LABEL DESCRIPTION CHANGE 12 TO 13 AND 13 TO 12 CHANGE "PROGRAMMED" TO "PROGRAMMED"	[illegible]	[illegible]	19SEP01	[illegible]