Cable Connection chart of Auxiliary Cubicle HB2 for WAP7/WAG9/WAP5

*** In order to Drive MR Blower and ScMR Blower by three phase supply from BUR2 the connections should be treated as deleted.**

35 PIN /12 GRADE XK67S

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	2.5	2050	XK67S-1	47.2A/2-3
2	1.5	2858	XK67S-2	89.2-B
3	1.5	2801B	XK67S-3	62.1/2-23
4	1.5	2850B	XK67S-4	53.1/2-24
5	1.5	2851B	XK67S-5	55.1/2-24
6	1.5	2852B	XK67S-6	56.1/2-24
7	1.5	2853B	XK67S-7	54.1/2-24
8	1.5	2855B	XK67S-8	59.1/2-24
9	1.5	2856B	XK67S-9	62.1/2-24
10	1.5	2857B	XK67S-10	63.1/2-24
11	1.5	3037B	XK67S-11	47.2A/2-2+
11A*	1.5	2857B	XK67S-10	63.1/2-24 (Deleted)
12	1.5	2840B	XK67S-26	47.1/2-14
13*	1.5	2890	XK67S-27	Link from A1 to 54.2/2-3 (Not Required)
14*	1.5	2897	XK67S-28	54.2/2-4 (Not required)
15	2.5	5094	XK67S-29	52.4/1-13
16	2.5	5094	XK67S-30	52.4/2-13
17	2.5	2877A	XK67S-31	52.6/1-A1
18	2.5	2877B	XK67S-32	52.6/2-A1
19	2.5	2880A	XK67S-33	52.5/2-54
20	2.5	2880B	XK67S-34	52.5/1-54

7 PIN /12 GRADE XK67C:01

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	2.5	1218	XK67C:01-1	XB67A-1
2	6	1218	XK67C:01-2	XB67A-1
3	2.5	6501	XK67C:01-3	XK67C:02-3
4	2.5	6510	XK67C:01-4	XK67C:02-4
5	2.5	6503	XK67C:01-6	XK67C:02-6

7 PIN /12 GRADE XK67C:02

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	6	1218	XK67C:02-1	XB67A-1
2	6*	1200	XK67C:02-5	54.1/2-1 (Deleted)
3	2.5	6501	XK67C:02-3	XK67C:01-3
4	2.5	6510	XK67C:02-4	XK67C:01-4
5	2.5	6503	XK67C:02-6	XK67C:01-6

4 PIN XK67P:01

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	6	1157B	XK67P:01-1	62.1/2-2
2	6	1158B	XK67P:01-2	62.1/2-4
3	6	1159B	XK67P:01-3	62.1/2-6

* 4 PIN XK67A:05

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	2.5	1218	XK67A:05-1	XB67A-2
2	2.5	1201B	XK67A:05-2	54.1/2-2
3	2.5	1202B	XK67A:05-3	54.5/2-Q2 (For WAG 9 &WAP-5 only)
3A	2.5	1202B	XK67A:05-3	XK67A-9 (For WAP 7 only)
3A	2.5	1202B	54.1/2-Q2	Lower panel TB (For WAP 7 only)

4 PIN XK67A:05

(Modified Connection for inverter fed MR Blower)

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	2.5	1201B	XK67A:05-1	54.1/2-2
2	2.5	1202B	XK67A:05-2	54.1/2-4
3	2.5	1204B	XK67A:05-3	54.1/2-6

* 4 PIN XK67A:06

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	2.5	1218	XK67A:06-1	XB67A-2
2	2.5	1211B	XK67A:06-2	56.1/2-2

4 PIN XK67A:06

(Modified Connection for inverter fed ScMR Blower)

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	2.5	1211B	XK67A:06-1	56.1/2-2
2	2.5	1212B	XK67A:06-2	56.1/2-4
3	2.5	1213B	XK67A:06-3	56.1/2-6

4 PIN XK67AC:01 (CAB 1)

Sl. No.	Cable Cross Section	Cable no.		Connection To
1	2.5	1140A	XK67AC:01-1	DT SWITCH-2
2	2.5	1141A	XK67AC:01-2	DT SWITCH-6
3	2.5	1142A	XK67AC:01-3	DT SWITCH-10

4 PIN XK67AC:02 (CAB 2)

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	2.5	1140B	XK67AC:02-1	DT SWITCH-4
2	2.5	1141B	XK67AC:02-2	DT SWITCH-8
3	2.5	1142B	XK67AC:02-3	DT SWITCH-12

4 PIN XK67A:02

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	2.5	1137B	XK67A:02-1	55.1/2-2
2	2.5	1138B	XK67A:02-2	55.1/2-4
3	2.5	1139B	XK67A:02-3	55.1/2-6

4 PIN XK67D

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	25	1131	XK67D-1	XH67A-4
2	25	1132	XK67D-2	XH67A-5
3	25	1133	XK67D-3	XH67A-6

4 PIN XK67B

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	25	1121B	XK67B-1	XH67A-1
2	25	1122B	XK67B-2	XH67A-2
3	25	1123B	XK67B-3	XH67A-3

4 PIN XK67E:01

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	50	1121B	XK67E:01-1	XH67A-1
2	50	1122B	XK67E:01-2	XH67A-2
3	50	1123B	XK67E:01-3	XH67A-3

4 PIN XK67E:02

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	50	1131	XK67E:02-1	XH67A-4
2	50	1132	XK67E:02-2	XH67A-5
3	50	1133	XK67E:02-3	XH67A-6

52.7,CONTACTOR

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To

1	2.5	2877B	52.7-A1	52.7A-2+
2	2.5	2050	52.7-A2	52.7A-4-
3	2.5	1137A	52.7-1	64.1/2-2
4	2.5	1137B	52.7-2	DT SWITCH-1
5	2.5	1138A	52.7-3	64.1/2-4
6	2.5	1138B	52.7-4	DT SWITFH-5
7	2.5	1139A	52.7-5	64.1/2-6
8	2.5	1139B	52.7-6	DT SWITCH-9

52.7A SNUBBER CIRCUIT

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	2.5	2878B	52.7A-1+	52.6/2-2
2	2.5	2878B	52.7A-2+	52.7-A1
3	2.5	2050	52.7A-3-	47.2A/2-4
4	2.5	2050	52.7A-4-	52.7-A2

47.2/2 , CONTACTOR

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	1.5	3037B	47.2/2-A1	47.2A/2-1+
2	1.5	2050	47.2/2-A2	47.2A/2-4
3	10	1131	47.2/2-1	XH67A-4
4	10	1141B	47.2/2-2	47.1/2-1
5	10	1132	47.2/2-3	XH67A-5
6	10	1142B	47.2/2-4	47.1/2-3
7	10	1133	47.2/2-5	XH67A-6
8	10	1143B	47.2/2-6	47.1/2-5

47.2A/2 , SNUBBER CIRCUIT

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	1.5	3037B	47.2A/2-1+	47.2/2-A1
2	1.5	3037B	47.2A/2-2+	XK67S-11
3*	1.5	2050	47.2A/2-3	54.2/2-A2 (Deleted)
4	2.5	2050	47.2A/2-3	XK67S-1
5	2.5	2050	47.2A/2-4	52.7A-3-
6	1.5	2050	47.2A/2-4	47.2/2-A2

52.6/1, AUX. CONTACTOR, 80A

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	2.5	2877A	52.6/1-A1	XK67S-31
2	1.5	2050	52.6/1-A2	52.6/2-A2
3	2.5	2050	52.6/1-A2	52.4/1-A2
4	1.5	5094	52.6/1-1+	52.4/1-13
5	2.5	2878A	52.6/1-2+	XB67A-3
6	2.5	2878A	52.6/1-2	52.4/1-A1

52.6/2, AUX. CONTACTOR 80A

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	2.5	2877B	52.6/2-A1	XK67S-32
2	1.5	2050	52.6/2-A2	52.4/2-A2
3	1.5	2050	52.6/2-A2	52.6/1-A2
4	2.5	5094	52.6/2-1+	52.4/2-13
5	1.5	2878B	52.6/2-2	52.4/2-A1
6	2.5	2878B	52.6/2-2	52.7A-1+

89.2, EARTH FAULT RELAY

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	1.5	1105	89.2-U	90.3/1-Q2 (For WAG 9 & WAP-5 only)
1A	1.5	1105	89.2U	XB67A-7 (For WAP 7 only)
1A	1.5	1105	90.3/1-Q2	Lower panel TB (For WAP 7 only)
2	2.5	0	89.2-V	MASSE-M
3	1.5	2801B	89.2-A	47.1/2-13
4	1.5	2801B	89.2-A	56.1/2-23
5	1.5	2858	89.2-B	XK67S-2

* 54.2/2, CONTACTOR WITH TIME DELAY MODULE

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	1.5	2890B	54.2/2-A1 TO 3	XK67S-27
2	1.5	2890B	54.2/2-3	54.2/2-A1 (Timer)
3	2.5	1201B	54.2/2-R1	XB67A-7
4	2.5	1204B	54.2/2-R2	54.8/2-Q1 (For WAG 9 only)
4A	2.5	1204B	54.2/2-R2	XB67-8 (For WAP 7 & 5 only)

4A	2.5	1204B	54.8/2-Q1	Lower panel TB (For WAP 7 & 5 only)
5	2.5	1201B	54.2/2-R3	XB67A-7
6	2.5	1204B	54.2/2-R4	54.8/2-Q1 (For WAG9 only)
6A	2.5	1204B	54.2/2-R4	XB67A-8 (For WAP 7 & 5 only)
7	1.5	2897	54.2/2-4	XK67S-28
8	1.5	2050	54.2/2-A2	54.2/2-A2 (Timer)
9	1.5	2890	54.2/2-A1	54.2/2-16 (Timer)

62.1/2, CIRCUIT BRERAKER, 16A, 3 POLE

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	10	1134	62.1/2-1	XH67A-7
2	6	1157B	62.1/2-2	XK67P:01-1
3	10	1135	62.1/2-3	XH67A-8
4	6	1158B	62.1/2-4	XK67P:01-2
5	10	1136	62.1/2-5	XH67A-9
6	6	1159B	62.1/2-6	XK67P:01-3
7	1.5	2801B	62.1/2-23	XK67S-3
8*	1.5	2801B	62.1/2-23	63.1/2-23 (Deleted)
9	1.5	2856B	62.1/2-24	XK67S-9

47.1/2, CIRCUIT BREAKER, 40A, 3 POLE

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	10	1141B	47.1/2-1	47.2/2-2
2	10	1187B	47.1/2-2	XB67A:04-1
3	10	1142B	47.1/2-3	47.2/2-4
4	10	1188B	47.1/2-4	XB67A:04-2
5	10	1143B	47.1/2-5	47.2/2-6
6	10	1189B	47.1/2-6	XB67A:04-3
7	1.5	2801B	47.1/2-13	89.2-A
8	1.5	2840B	47.1/2-14	XK67S-26

53.1/2, CIRCUIT BREAKER, 63A, 3 POLE

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To

1	16	1121B	53.1/2-1	XH67A-1
2	16	1127B	53.1/2-2	XB67A:01-1
3	16	1122B	53.1/2-3	XH67A-2
4	16	1128B	53.1/2-4	XB67A:01-2
5	16	1123B	53.1/2-5	XH67A-3
6	16	1129B	53.1/2-6	XB67A:01-3
7	1.5	2801B	53.1/2-23	55.1/2-23
8	1.5	2801B	53.1/2-23	63.1/2-23 (Deleted)
9	1.5	2850B	53.1/2-24	XK67S-4

63.1/2 ,Circuit Breaker Oil Pump Converter

(MCB is deleted from scope of supply of Panel, it is to be provided by Propulsion manufacturer) (CB has been deleted, but cable with end lug is to be provided by the panel supplier)

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	2.5	1167B	63.1/2-2	XB67P:02-1
2	2.5	1168B	63.1/2-4	XB67P:02-2
3	2.5	1169B	63.1/2-6	XB67P:02-3
4	2.5	1134	63.1/2-1	XH67A-7
5	2.5	1135	63.1/2-3	XH67A-8
6	2.5	1136	63.1/2-5	XH67A-9
7	1.5	2801B	63.1/2-23	62.1/2-23
8	1.5	2857B	63.1/2-24	XK67S-10
9	1.5	2801B	63.1/2-23	53.1/2-23

55.1/2, CIRCUIT BREAKER,10A, 3 POLE

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	10	1124	55.1/2-1	XB67U:02-1
2	2.5	1137B	55.1/2-2	XK67A:02-1
3	10	1125	55.1/2-3	XB67U:02-2
4	2.5	1138B	55.1/2-4	XK67A:02-2
5	10	1126	55.1/2-5	XB67U:02-3
6	2.5	1139B	55.1/2-6	XK67A:02-3
7	1.5	2801B	55.1/2-23	59.1/2-23
8	1.5	2801B	55.1/2-23	53.1/2-23
9	1.5	2851B	55.1/2-24	XK67S-5

59.1/2, CIRCUIT BREAKER,10A, 3 POLE

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	16	1121A	59.1/2-1	XB67U:01-1
2	16	1147B	59.1/2-2	XB67A:03-1
3	16	1122A	59.1/2-3	XB67U:01-2
4	16	1148B	59.1/2-4	XB67A:03-2
5	16	1123A	59.1/2-5	XB67U:01-3
6	16	1149B	59.1/2-6	XB67A:03-3
7	1.5	2801B	59.1/2-23	54.1/2-23
8	1.5	2801B	59.1/2-23	55.1/2-23
9	1.5	2855B	59.1/2-24	XK67S-8

*** 54.1/2, CIRCUIT BREAKER, 20A, 1 POLE**

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	6	1200	54.1/2-1	56.1/2-1
2	6	1200	54.1/2-1	XK67C:02-5
3	2.5	1201B	54.1/2-2	XK67A:05-2
4	2.5	1201B	54.1/2-2	54.5/2-Q1 (For WAG 9 only)
4A	2.5	1201B	54.1/2-2	XB67A-9 (For WAP 7 & 5 only)
4A	2.5	1201B	54.5/2-Q1	Lower panel TB (For WAP 7 & 5 only)
5	1.5	2801B	54.1/2-23	56.1/2-23
6	1.5	2801B	54.1/2-23	59.1/2-23
7	1.5	2853B	54.1/2-24	XK67S-7

DUE TO OVERHEATING IN TERMINALS OF MCB, BLOCK XH67A HAS BEEN INCREASED FROM 09 TO 12 TERMINAL WITH ADDITION OF EXTRA POINT AT XH67A-1,2 & 3 AND FEED HAS BEEN GIVEN TO 54.1/2 & 56.1/2

54.1/2, CIRCUIT BREAKER, 10A, 3 POLE

(Modified Connection for inverter fed MR Blower)

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	6	1121B	XH67A-1	54.1/2-1
2	6	1122B	XH67A-2	54.1/2-3
3	6	1123B	XH67A-3	54.1/2-5
4	2.5	1121A	54.1/2-1	56.1/2-1
5	2.5	1122A	54.1/2-3	56.1/2-3
6	2.5	1123A	54.1/2-5	56.1/2-5

7	2.5	1201B	54.1/2-2	XK67A:05-1
8	2.5	1202B	54.1/2-4	XK67A:05-2
9	2.5	1204B	54.1/2-6	XK67A:05-3
10	1.5	2801A	54.1/2-23	59.1/2-23
11	1.5	2801A	54.1/2-23	56.1/2-23
12	1.5	2853B	54.1/2-24	XK67S-7

* 56.1/2, CIRCUIT BREAKER, 10A, 1 POLE

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	6	1200	56.1/2-1	54.1/2-1
2	2.5	1211B	56.1/2-2	XK67A:06-2
3	1.5	2801B	56.1/2-23	54 .1/2-23
4	1.5	2801B	56.1/2-23	89.2-A
5	1.5	2852B	56.1/2-24	XK67S-6

56.1/2, CIRCUIT BREAKER, 10A, 3 POLE

(Modified Connection for inverter fed ScMR Blower)

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	2.5	1121B	XH67A-1	56.1/2-1
2	2.5	1122B	XH67A-2	56.1/2-3
3	2.5	1123B	XH67A-3	56.1/2-5
4	1.5	2801A	56.1/2-23	54.1/2-23
5	2.5	1211B	56.1/2-2	XK67A:06-1
6	2.5	1212B	56.1/2-4	XK67A:06-2
7	2.5	1213B	56.1/2-6	XK67A:06-3
8	1.5	2852B	56.1/2-24	XK67S-6

64.1, CIRCUIT BREAKER, 10A, 3 POLE

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	2.5	1121B	64.1-1	52.5/1-1
2	2.5	1137A	64.1-2	52.7-1
3	2.5	1122B	64.1-3	52.5/1-3
4	2.5	1138A	64.1-4	52.7-3
5	2.5	1123B	64.1-5	52.5/1-5
6	2.5	1139A	64.1-6	52.7-5

LOOSE CONNECTION (DT SWITCH)

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	2.5	1137B	DT SWITCH-1	52.7-2
2	2.5	1140A	DT SWITCH-2	XK67AC:01-1
3	2.5	1140B	DT SWITCH-4	XK67AC:02-1
4	2.5	1138B	DT SWITCH-5	52.7-4
5	2.5	1141A	DT SWITCH-6	XK67AC:01-2
6	2.5	1141B	DT SWITCH-8	XK67AC:02-2
7	2.5	1139B	DT SWITCH-9	52.7-6
8	2.5	1142A	DT SWITCH-10	XK67AC:01-3
9	2.5	1142B	DT SWITCH-12	XK67AC:02-3

52.4/1, CONTACTOR

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	1.5	2878A	52.4/1-A1	52.4A/1-1+
1A	2.5	2878A	52.4/1-A1	52.4A/2-2
1B	1.5	2878A	52.4/1-A1	52.6/1-2
1C	1.5	2878A	52.4/1-A1	52.5/2-A1
2	1.5	2050	52.4/1-A2	52.4A/1-4
2A	2.5	2050	52.4/1-A2	52.6/1-A2
2B	1.5	2050	52.4/1-A2	52.4/2-A2
3	16	1121A	52.4/1-1	XB67U:01-1
4	16	1124	52.4/1-2	XB67U:02-1
5	16	1122A	52.4/1-3	XB67U:01-2
6	16	1125	52.4/1-4	XB67U:02-2
7	16	1123A	52.4/1-5	XB67U:01-3
8	16	1126	52.4/1-6	XB67U:02-3
9	2.5	5094	52.4/1-13	XK67S-29
10	1.5	5094	52.4/1-13	52.6/1-1+
11	1.5	2879A	52.4/1-14	52.5/2-53

52.4A/1, SNUBBER CIRCUIT

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	1.5	2878A	52.4A/1-1+	52.4/1-A1
2	2.5	2877A	52.4A/1-2+	XB67A-3
3	2.5	2050	52.4A/1-3	XB67A-5
4	2.5	2050	52.4A/1-4	52.4/1-A2

52.4/2, CONTACTOR

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	1.5	2877B	52.4/2-A1	52.4A/2-1+
1A	1.5	2878B	52.4/2-A1	52.5/1-A1
1B	1.5	2878B	52.4/2-A1	52.6/2-2
2	2.5	2050	52.4/2-A2	52.4/1-A2
2A	1.5	2050	52.4/2-A2	52.4A/2-4
2B	1.5	2050	52.4/2-A2	52.5/1-A2
2C	1.5	2050	52.4/2-A2	52.6/2-A2
3	10	1131	52.4/2-1	52.5/2-1
4	10	1124	52.4/2-2	XB67U:02-1
5	10	1132	52.4/2-3	52.5/2-3
6	10	1125	52.4/2-4	XB67U:02-2
7	10	1133	52.4/2-5	52.5/2-5
8	10	1126	52.4/2-6	XB67U:02-3
9	2.5	5094	52.4/2-13	XK67S-30
10	1.5	5094	52.4/2-13	52.6/2-1+
11	1.5	2879B	52.4/2-14	52.5/1-53

52.4A/2,SNUBBER

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	1.5	2878B	52.4A/2-1+	52.4/2-A1
2	2.5	2878A	52.4A/2-2	52.4/1-A1
3	2.5	2050	52.4A/2-3	XB67A-5
4	2.5	2050	52.4A/2-4	52.4/2-A2

52.5/1, CONTACTOR

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	1.5	2877B	52.5/1-A1	XB67A-4
1A	1.5	2878B	52.5/1-A1	52.5A/1-1
2	1.5	2050	52.5/1-A2	54.2/2-A2
2A	1.5	2050	52.5/1-A2	52.5/2-A2
3	25	1121B	52.5/1-1	XH67A-1
4	2.5	1121B	52.5/1-1	64.1-1
5	25	1134	52.5/1-2	52.5/2-2
6	25	1134	52.5/1-2	XH67A-7
7	25	1122B	52.5/1-3	XH67A-2
8	2.5	1122B	52.5/1-3	64.1-3
9	25	1135	52.5/1-4	52.5/2-4
10	25	1135	52.5/1-4	XH67A-8
11	25	1123B	52.5/1-5	XH67A-3
12	2.5	1123B	52.5/1-5	64.1-5
13	25	1136	52.5/1-6	52.5/2-6

14	25	1136	52.5/1-6	XH67A-9
15	1.5	2879B	52.5/1-53	52.4/2-14
15A	2.5	2879B	52.5/1-53	52.5/1-83
16	2.5	2880B	52.5/1-54	XK67S-34
16A	2.5	2880B	52.5/1-54	52.5/1-84

52.5/2, CONTACTOR

Sl. No	Cable Cross Section	Cable no.	Connection From	Connection To
1	1.5	2878A	52.5/2-A1	52.4/1-A1
2	1.5	2050	52.5/2-A2	52.5/1-A2
3	25	1131	52.5/2-1	XH67A-4
4	10	1131	52.5/2-1	52.4/2-1
5	25	1134	52.5/2-2	52.5/1-2
6	25	1132	52.5/2-3	XH67A-5
7	10	1132	52.5/2-3	52.4/2-3
8	25	1135	52.5/2-4	52.5/1-4
9	25	1133	52.5/2-5	XH67A-6
10	10	1133	52.5/2-5	52.4/2-5
11	25	1136	52.5/2-6	52.5/1-6
12	1.5	2879A	52.5/2-53	52.4/1-14
12A	2.5	2879A	52.5/2-53	52.5/2-83
13	2.5	2880A	52.5/2-54	XK67S-33
13A	2.5	2880A	52.5/2-54	52.5/2-84

* 54.5/2,CAPACITOR

Sl. No	Cable Cross Section	Cable no.	Connection From	Connection To
1	2.5	1201B	54.5/2-Q1	XB67A-7
2	2.5	1202B	54.5/2-Q2	XK67A:05-3 (For WAG 9 only)
3	2.5	1202B	54.5/2-Q2	54.8/2-Q2

* 54.8/2, CAPACITOR

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	2.5	1204B	54.8/2-Q1	54.2/2-R2 (For WAG 9 only)
2	2.5	1204B	54.8/2-Q1	54.2/2-R4 (For WAG 9 only)
3	2.5	1202B	54.8/2-Q2	54.5/2-Q2

90.3/1, RESISTOR

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	1.5	1103	90.3/1-Q1	S1103.1-Q1
2	1.5	1105	90.3/1-Q2	89.2-U (For WAG 9 & WAP-5 only)
2A	1.5	1105	90.3/1-Q2	To small panel terminal box (For WAP-7 only)
2B	1.5	1105	89.2-U	XB67A-7 (For WAP-7 only)
3	1.5	1105	90.3/1-Q2	90.3/2-Q1

90.3/2,RESISTOR

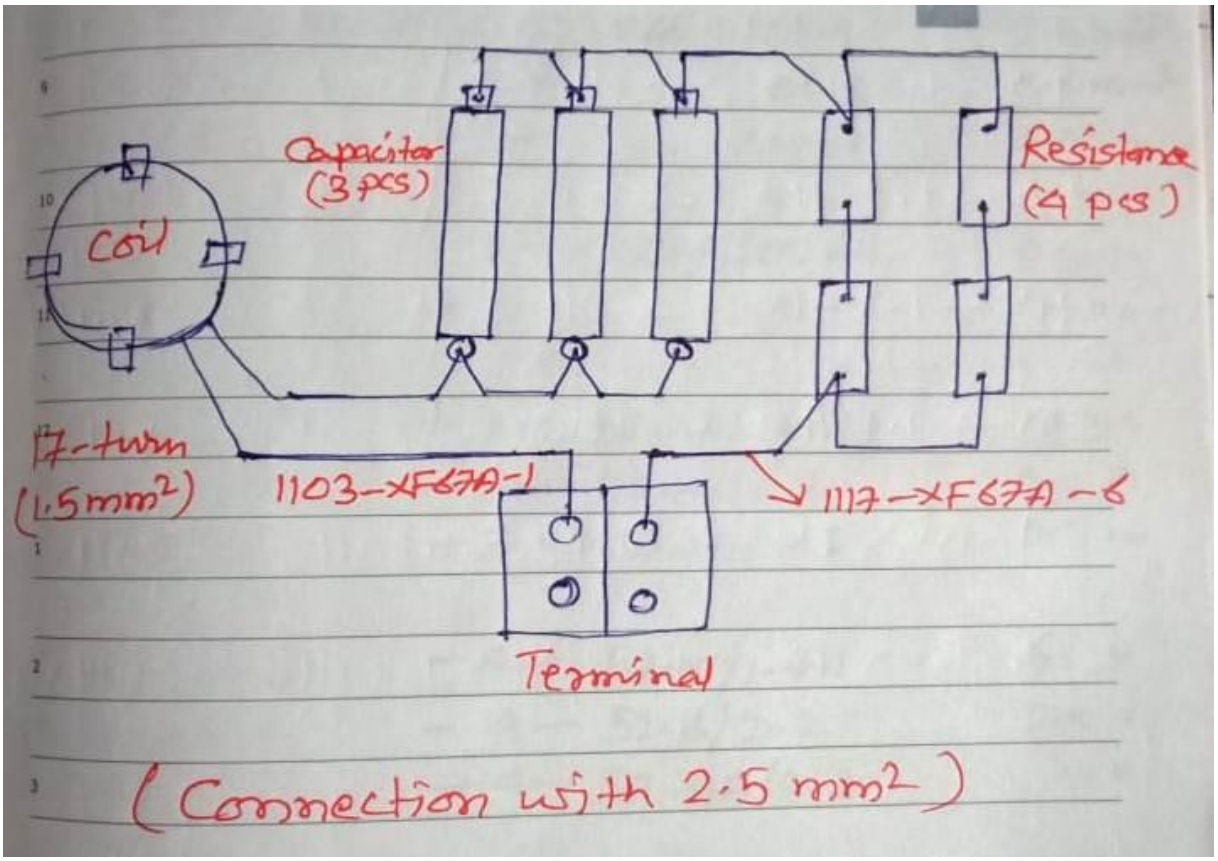
Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	1.5	1105	90.3/2-Q1	90.3/1-Q2
2	1.5	1117	90.3/2-Q2	S1117.1-Q1

Bus Bar-1

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	0.0	1103	S1103.1-Q1	42.3/1-IN
2	1.5	1103	S1103.1-Q1	90.3/1-Q1
3	0.0	1103	S1103.1-Q2	42.3/1-OUT

Bus Bar-2

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	1.5	1117	S1117.1-Q1	90.3/2-Q2
2	0.0	1117	S1117.1-Q2	42.3/2-OUT
3	0.0	1117	S1117.1-Q1	42.3/2-IN



CONNECTION OF R-L-C CIRCUIT BUR INPUT SNUBBER IN HB2

XH67A (TB TO TB)

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	10	1134	XB67U:03-1/ XH67A(1)- 16	XH67A-7/ XH67A(2)- 7
2	10	1135	XB67U:03-2/ XH67A(1)- 17	XH67A-8/ XH67A(2)- 8
3	10	1136	XB67U:03-3/ XH67A(1)- 18	XH67A-9/ XH67A(2)- 9

SNUBBER CIRCUIT TO ITEM 52.5 (SCH. POS : 52.5A/1)

Sl. No.	Cable CrossSection	Cable no.	ConnectionFrom	ConnectionTo
1	0.0	2877B	52.5A/1-1+	52.5/1-A1
2	0.0	2050	52.5A/1-4-	52.5/1-A2

SNUBBER CIRCUIT TO ITEM 52.5 (SCH. POS : 52.5A/2)

Sl. No.	Cable CrossSection	Cable no.	ConnectionFrom	ConnectionTo
1	0.0	2877A	52.5A/2-1+	52.5/2-A1
2	0.0	2050	52.5A/2-4-	52.5/2-A2

SCREW CONNECTIONTB XH67A (1) - 21 TB

SN	Cable Cross section	Cable no.	From		To	
1	16.00mm²	1127B	XH67A (1)	1	53.1/2	2
2	16.00mm²	1128B	XH67A (1)	2	53.1/2	4
3	16.00mm²	1129B	XH67A (1)	3	53.1/2	6
4	16.00mm²	1147B	XH67A (1)	4	59.1/2	2
5	16.00mm²	1148B	XH67A (1)	5	59.1/2	4
6	16.00mm²	1149B	XH67A (1)	6	59.1/2	6
7	10.00mm²	1187B	XH67A (1)	7	47.1/2	2
8	10.00mm²	1188B	XH67A (1)	8	47.1/2	4
9	10.00mm²	1189B	XH67A (1)	9	47.1/2	6
10	10.00mm²	1121A	XH67A (1)	10	52.4/1	1
11	10.00mm²	1122A	XH67A (1)	11	52.4/1	3
12	10.00mm²	1123A	XH67A (1)	12	52.4/1	5
13	16.00mm²	1121A	XH67A (1)	10	59.1/2	1
14	16.00mm²	1122A	XH67A (1)	11	59.1/2	3
15	16.00mm²	1123A	XH67A (1)	12	59.1/2	5
16	10.00mm²	1124	XH67A (1)	13	52.4/1	2
17	10.00mm²	1125	XH67A (1)	14	52.4/1	4
18	10.00mm²	1126	XH67A (1)	15	52.4/1	6
19	10.00mm²	1124	XH67A (1)	13	55.1/2	1
20	10.00mm²	1125	XH67A (1)	14	55.1/2	3
21	10.00mm²	1126	XH67A (1)	15	55.1/2	5
22	10.00mm²	1124	XH67A (1)	13	52.4/2	2
23	10.00mm²	1125	XH67A (1)	14	52.4/2	4
24	10.00mm²	1126	XH67A (1)	15	52.4/2	6
25	10.00mm²	1134	XH67A (1)	16	XH67A (2)	7
26	10.00mm²	1135	XH67A (1)	17	XH67A (2)	8
27	10.00mm²	1136	XH67A (1)	18	XH67A (2)	9
28	2.50mm²	1167B	XH67A (1)	19	63.1/2	2
29	2.50mm²	1168B	XH67A (1)	20	63.1/2	4
30	2.50mm²	1169B	XH67A (1)	21	63.1/2	6

SCREW CONNECTIONTB XH67A (2) - 9 TB

SN	Cable Cross section	Cable no.	From		To	
1	16.00mm²	1121B	XH67A (2)	1	53.1/2	1
2	25.00mm²	1121B	XH67A (2)	1	XK67B	1
3	50.00mm²	1121B	XH67A (2)	1	XK67E:01	1
4	25.00mm²	1121B	XH67A (2)	1	52.5/1	1
5	16.00mm²	1122B	XH67A (2)	2	53.1/2	3
6	25.00mm²	1122B	XH67A (2)	2	XK67B	2
7	50.00mm²	1122B	XH67A (2)	2	XK67E:01	2
8	25.00mm²	1122B	XH67A (2)	2	52.5/1	3
9	16.00mm²	1123B	XH67A (2)	3	53.1/2	5
10	25.00mm²	1123B	XH67A (2)	3	52.5/1	5
11	25.00mm²	1123B	XH67A (2)	3	XK67B	3
12	50.00mm²	1123B	XH67A (2)	3	XK67E:01	3
13	25.00mm²	1131	XH67A (2)	4	52.5/2	1
14	25.00mm²	1131	XH67A (2)	4	XK67D	1
15	50.00mm²	1131	XH67A (2)	4	XK67E:02	1
16	10.00mm²	1131	XH67A (2)	4	47.2/2	1
17	25.00mm²	1132	XH67A (2)	5	52.5/2	3
18	25.00mm²	1132	XH67A (2)	5	XK67D	2
19	50.00mm²	1132	XH67A (2)	5	XK67E:02	2
20	10.00mm²	1132	XH67A (2)	5	47.2/2	3
21	25.00mm²	1133	XH67A (2)	6	52.5/2	5
22	25.00mm²	1133	XH67A (2)	6	XK67D	3
23	50.00mm²	1133	XH67A (2)	6	XK67E:02	3
24	10.00mm²	1133	XH67A (2)	6	47.2/2	5
25	10.00mm²	1134	XH67A (2)	7	62.1/2	1
26	10.00mm²	1134	XH67A (2)	7	XH67A (1)	16
27	25.00mm²	1134	XH67A (2)	7	52.5/1	2
28	2.50mm²	1134	XH67A (2)	7	63.1/2	1
29	10.00mm²	1135	XH67A (2)	8	62.1/2	3
30	10.00mm²	1135	XH67A (2)	8	XH67A (1)	17
31	25.00mm²	1135	XH67A (2)	8	52.5/1	4
32	2.50mm²	1135	XH67A (2)	8	63.1/2	3
33	10.00mm²	1136	XH67A (2)	9	62.1/2	5
34	10.00mm²	1136	XH67A (2)	9	XH67A (1)	18

35	25.00mm²	1136	XH67A (2)	9	52.5/1	6
36	2.50mm²	1136	XH67A (2)	9	63.1/2	5

SCREW CONNECTIONUPPER PANEL TB XB67A (1) - 10 TB FOR WAP-7

SN	Cable Cross section	Cable no.	From		To	
1	2.5 mm²	1218	XB67A (1)	1	XK67C:01	1
2	6.00mm²	1218	XB67A (1)	1	XK67C:01	2
3	6.00mm²	1218	XB67A (1)	1	XK67C:02	1
4	2.50mm²	1218	XB67A (1)	2	XK67A:06	1
5	2.50mm²	1218	XB67A (1)	2	XK67A:05	1
6	2.50mm²	2878A	XB67A (1)	3	52.6/1	2-
7	2.50mm²	2878A	XB67A (1)	3	52.4A/1	2+
8	2.50mm²	2878B	XB67A (1)	4	52.4A/2	2+
9	1.50mm²	2878B	XB67A (1)	4	52.5/1	A1
10	1.50mm²	2050	XB67A (1)	5	54.2/2	A2
11	2.50mm²	2050	XB67A (1)	5	52.4A/1	3-
12	2.50mm²	2050	XB67A (1)	5	52.4A/2	3-
13	2.50mm²	1201B	XB67A (1)	7	54.1/2	2
14	2.50mm²	1201B	XB67A (1)	7	54.2/2	R1
15	2.50mm²	1201B	XB67A (1)	7	XB67A (2)	3
16	2.50mm²	1204B	XB67A (1)	8	54.2/2	R2
17	2.50mm²	1204B	XB67A (1)	8	XB67A (2)	4
18	2.50mm²	1202B	XB67A (1)	9	XK67A:05	3
19	2.50mm²	1202B	XB67A (1)	9	XB67A (2)	2
20	1.50mm²	1105	XB67A (1)	10	89.2	U
21	2.50mm²	1105	XB67A (1)	10	XB67A (2)	1

SCREW CONNECTION LOWER PANEL TB XB67A (2) - 4 TB FOR WAP-7

SN	Cable Cross section	Cable no.	From		To	
1	1.50mm²	1105	XB67A (2)	1	90.3/1	Q2
2	1.50mm²	1105	XB67A (2)	1	XB67A (1)	10
3	2.50mm²	1202B	XB67A (2)	2	54.5/2	Q2

4	2.50mm²	1202B	XB67A (2)	2	XB67A (1)	9
5	2.50mm²	1201B	XB67A (2)	3	54.5/2	Q1
6	2.50mm²	1201B	XB67A (2)	3	XB67A (1)	7
7	2.50mm²	1204B	XB67A (2)	4	54.8/2	Q1
8	2.50mm²	1204B	XB67A (2)	4	XB67A (1)	8

SCREW CONNECTION TB XB67A - 8 TB FOR WAG-9

SN	Cable Cross section	Cable no.	From		To	
1	2.5 mm²	1218	XB67A	1	XK67C:01	1
2	6.00mm²	1218	XB67A	1	XK67C:01	2
3	6.00mm²	1218	XB67A	1	XK67C:02	1
4	2.50mm²	1218	XB67A	2	XK67A:06	1
5	2.50mm²	1218	XB67A	2	XK67A:05	1
6	2.50mm²	2878A	XB67A	3	52.6/1	2-
7	2.50mm²	2878A	XB67A	3	52.4A/1	2+
8	2.50mm²	2878B	XB67A	4	52.4A/2	2+
9	1.50mm²	2878B	XB67A	4	52.5/1	A1
10	1.50mm²	2050	XB67A	5	54.2/2	A2
11	2.50mm²	2050	XB67A	5	52.4A/1	3-
12	2.50mm²	2050	XB67A	5	52.4A/2	3-
13	2.50mm²	1201B	XB67A	7	54.1/2	2
14	2.50mm²	1201B	XB67A	7	54.2/2	R1
15	2.50mm²	1201B	XB67A	7	54.5/2	Q1