

Technical Bulletin No:	TB 41-0082
-------------------------------	-------------------

Status	issued
Issue Date	20/2/03
Issued by	A Coatsworth
Approved by	R A Bowen

Title: ST800 Switched audio wiring - switch now in positive lead

Introduction Drawing 667/GA/27006/000 showing the ST800 audible supply kit wiring has been up-issued (now issue 5) . Previous issues showed the optional relay wired into the negative feed. This has now changed

Scope ST800 with audible kit fitted

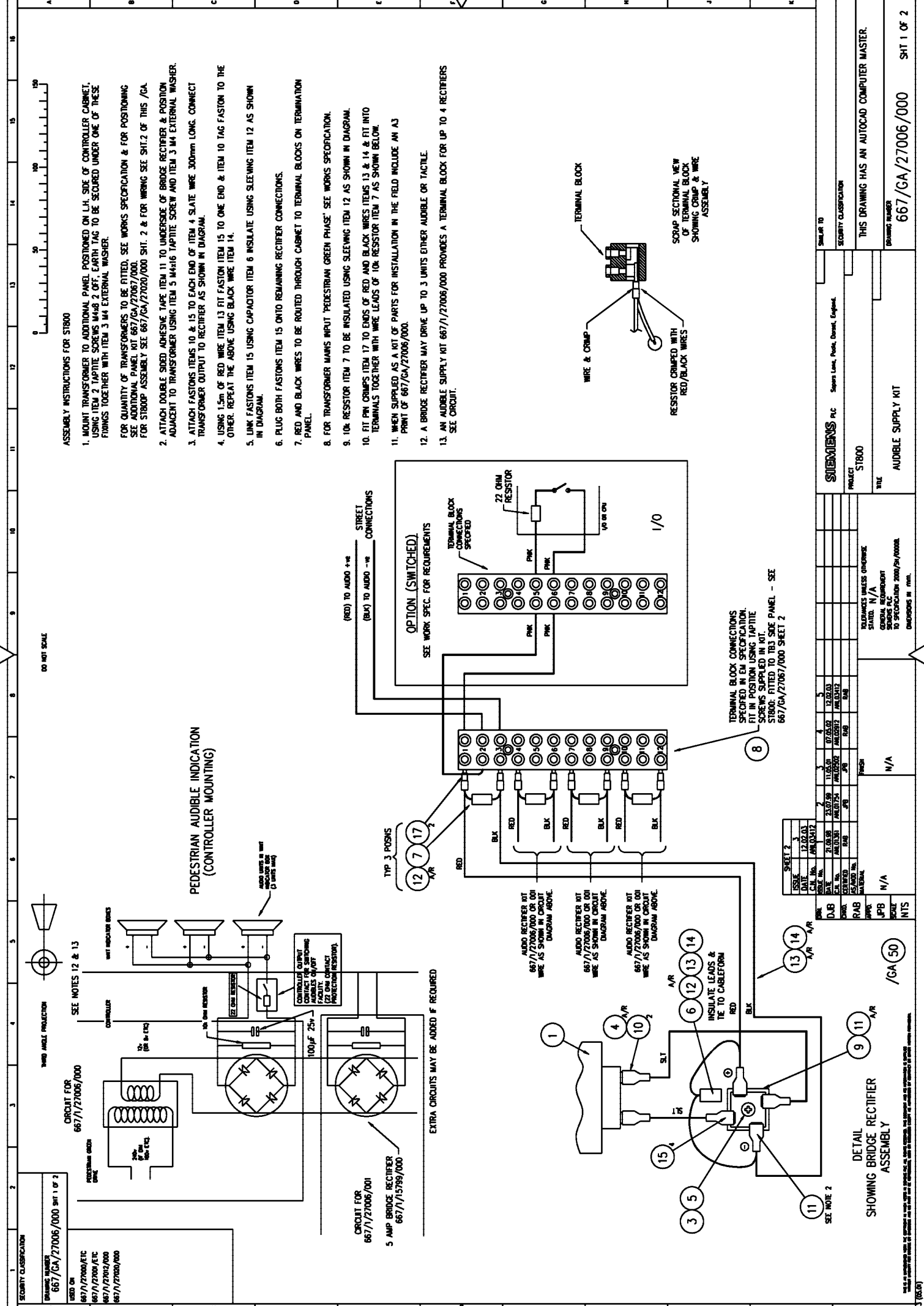
Related Documents 667/GA/27006/000 sheets 1 and 2

Background When the audible returns are commoned at the pushbutton box the optional switching is defeated. This results in the audible sounding when it is supposed to be switched e.g. when you have tactiles with audibles switched off at night.

Drawing 667/GA/27006/000 shows how to wire the ST800 audio kit which consists of a transformer, bridge rectifiers, terminal blocks etc. Up to issue 4 the option to switch the audio showed a relay wired into the negative feed. Issue 5 shows the relay in the positive lead. This is correct.

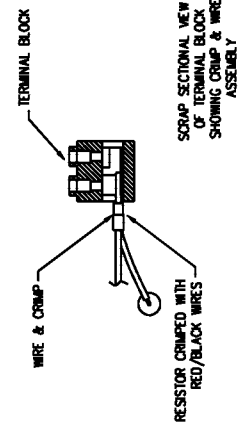
Procedure Use latest issue of 667/GA/27006/000 when wiring ST800 audibles.

On existing installations rewire if audibles are not switching off properly.



ASSEMBLY INSTRUCTIONS FOR ST800

1. MOUNT TRANSFORMER TO ADDITIONAL PANEL POSITIONED ON L.H. SIDE OF CONTROLLER CABINET, USING ITEM 2 TAPITE SCREWS M4x8 2 OFF. EARTH TAG TO BE SECURED UNDER ONE OF THESE TAPINGS TOGETHER WITH ITEM 3 M4 EXTERNAL WASHER.
2. FOR QUANTITY OF TRANSFORMERS TO BE FITTED, SEE WORKS SPECIFICATION & FOR POSITIONING SEE ADDITIONAL PANEL KIT 667/GA/27006/000. FOR ST800 ASSEMBLY SEE 667/GA/27006/000 SHEET 2 & FOR WIRING SEE SHEET 2 OF THIS /GA.
3. ATTACH DOUBLE SIDED ADHESIVE TAPE ITEM 11 TO UNDERSIDE OF BRIDGE RECTIFIER & POSITION ADJACENT TO TRANSFORMER USING ITEM 5 M4x16 TAPITE SCREW AND ITEM 3 M4 EXTERNAL WASHER.
4. ATTACH FASTONS ITEM 10 & 15 TO EACH END OF ITEM 4 SLATE WIRE 300mm LONG. CONNECT TRANSFORMER OUTPUT TO RECTIFIER AS SHOWN IN DIAGRAM.
5. USING 1.5m OF RED WIRE ITEM 13 FIT FASTON ITEM 15 TO ONE END & ITEM 10 TAG FASTON TO THE OTHER. REPEAT THE ABOVE USING BLACK WIRE ITEM 14.
6. LINK FASTONS ITEM 15 USING CAPACITOR ITEM 6 INSULATE USING SLEEVING ITEM 12 AS SHOWN IN DIAGRAM.
7. PLUG BOTH FASTONS ITEM 15 ONTO REMAINING RECTIFIER CONNECTIONS.
8. RED AND BLACK WIRES TO BE ROUTED THROUGH CABINET TO TERMINAL BLOCKS ON TERMINATION PANEL.
9. FOR TRANSFORMER MARKS INPUT 'PEDESTRIAN GREEN PHASE' SEE WORKS SPECIFICATION.
10. FIT PIN CRIMPS ITEM 17 TO ENDS OF RED AND BLACK WIRES ITEMS 13 & 14 & FIT INTO TERMINALS TOGETHER WITH WIRE LEADS OF 10K RESISTOR ITEM 7 AS SHOWN BELOW.
11. WHEN SUPPLIED AS A KIT OF PARTS FOR INSTALLATION IN THE FIELD INCLUDE AN AJ PRINT OF 667/GA/27006/000.
12. A BRIDGE RECTIFIER MAY DRIVE UP TO 3 UNITS EITHER AUDIBLE OR TACTILE.
13. AN AUDIBLE SUPPLY KIT 667/1/27006/000 PROVIDES A TERMINAL BLOCK FOR UP TO 4 RECTIFIERS SEE CIRCUIT.



TERMINAL BLOCK CONNECTIONS SPECIFIED IN GA SPECIFICATION FIT IN POSITION USING TAPITE SCREWS SUPPLIED IN KIT. ST800: FITTED TO 181 SIDE PANEL - SEE 667/GA/27006/000 SHEET 2

SHEET 2

ISSUE	DATE	BY	CHKD	APPD
1	12.02.03	AM/05172		
2	21.07.09	AM/05172		
3	21.07.09	AM/05172		
4	21.07.09	AM/05172		
5	21.07.09	AM/05172		
6	21.07.09	AM/05172		
7	21.07.09	AM/05172		
8	21.07.09	AM/05172		
9	21.07.09	AM/05172		
10	21.07.09	AM/05172		
11	21.07.09	AM/05172		
12	21.07.09	AM/05172		
13	21.07.09	AM/05172		
14	21.07.09	AM/05172		
15	21.07.09	AM/05172		
16	21.07.09	AM/05172		
17	21.07.09	AM/05172		

DETAIL SHOWING BRIDGE RECTIFIER ASSEMBLY

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----

SEE NOTE 2

INSULATE LEADS & TIE TO CABLEFORM

15

14

13

12

11

10

9

8

7

6

5

4

3

2

1

17

16

15

14

13

12

11

10

9

8

7

6

5

4

3

2

1

17

16

15

14

13

12

11

10

9

8

7

6

5

4

3

2

1

17

16

15

14

13

12

11

10

9

8

7

6

5

4

3

2

1

17

16

15

14

13

12

11

10

9

8

7

6

5

4

3

2

1

17

16

15

14

13

12

11

10

9

8

7

6

5

4

3

2

1

17

16

15

14

13

12

11

10

9

8

7

6

5

4

3

2

1

17

16

15

14

13

12

11

10

9

8

7

6

5

4

3

2

1

17

16

15

14

13

12

11

10

9

8

7

6

5

4

3

2

1

17

16

15

14

13

12

11

10

9

8

7

6

5

4

3

2

1

17

16

15

14

13

12

11

10

9

8

7

6

5

4

3

2

1

17

16

15

14

13

12

11

10

9

8

7

6

5

4

3

2

1

17

16

15

14

13

12

11

10

9

8

7

6

5

4

3

2

1

17

16

15

14

13

12

11

10

9

8

7

6

5

4

3

2

1

17

16

15

14

13

12

11

10

9

8

7

6

5

4

3

2

1

17

16

15

14

13

12

11

10

9

8

7

6

5

4

3

2

1

17

16

15

