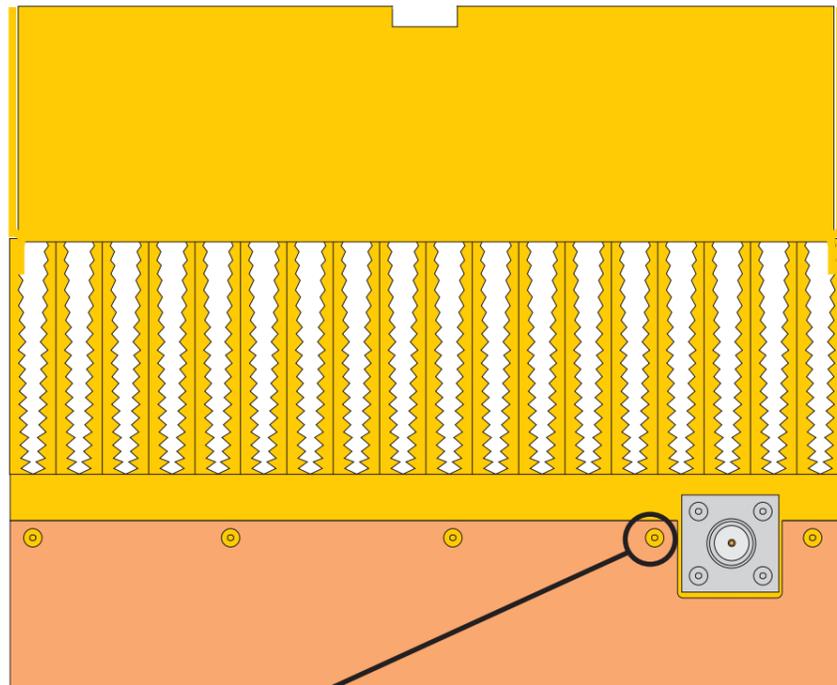
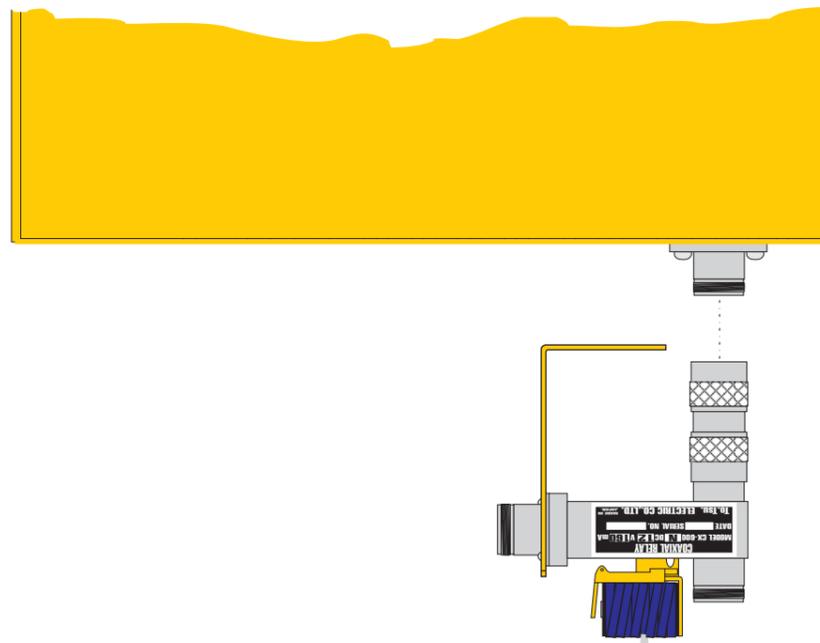


# Step 1



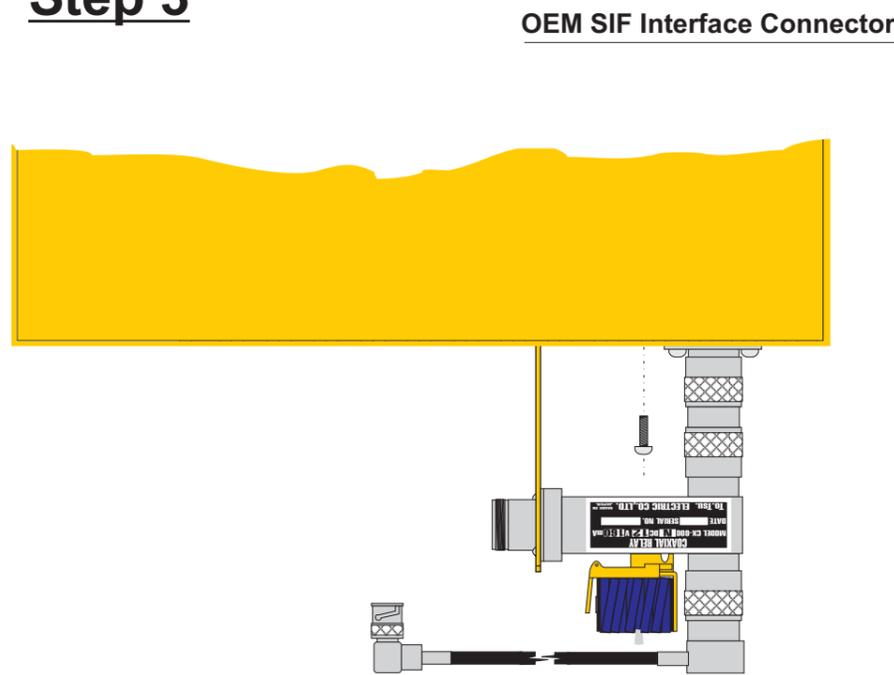
Remove cover screw next to N-Connector

# Step 2



Fit TBA60B1 kit to PA N-Connector as above

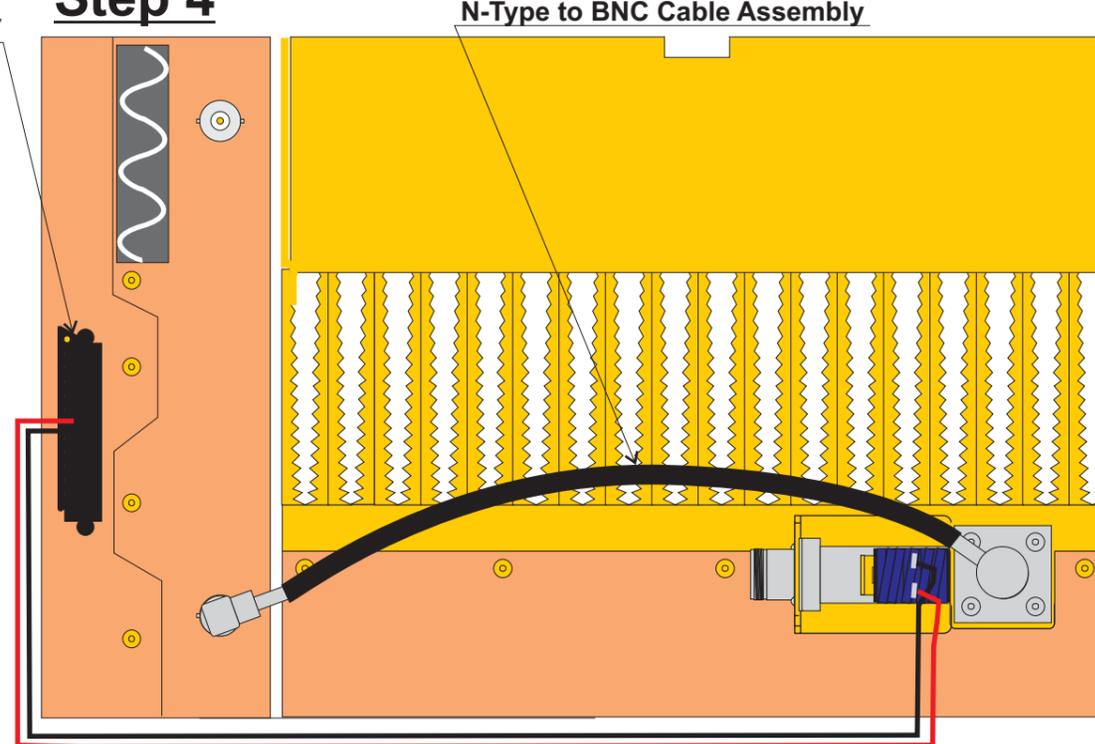
# Step 3



OEM SIF Interface Connector

Once kit is mounted to PA N-Connector, secure coaxial relay bracket by fit a supplied M3x8mm screw through bracket into PA chassis.

# Step 4



N-Type to BNC Cable Assembly

Fit supplied N-type to BNC cable from coaxial relay kit to Receiver Input port. Fit Supply/Control connector (25way D-range) to Reciter OEM SIF interface connector.

## TB8100 Antenna Changeover Relay Installation for 100Watt PA's.

### General:

Antenna Changeover relays can be used with TB8100 Base Stations, which are fitted with the following System Interface Boards (SIF).

- TBA10A0 Standard system interface non-isolated 600 ohm balanced audio I/O
- TBA10B0 Isolated 600 ohm balanced I/O
- TBA10C0 Isolated balanced 600 ohm I/O and opto isolated Transmitter keying input and opto isolated receiver gate output.

### Description:

The Tx relay output on the SIF is an open collector transistor and the output is pulled to ground whenever the transmitter is keyed.

Internally within the SIF there is a zener diode between emitter and collector of the Tx relay output transistor to provide reverse voltage protection.

### Installation:

Using the bracket supplied mount the antenna changeover relay on the back of the Power Amplifier (PA). Use the PA cover screw adjacent to the N type connector to secure the bracket to the PA. Screw the antenna relay N type transmit connector to the PA, N type antenna connector using the N male to male adapter.

Connect one side of the antenna changeover relay coil to +12 volts, pin 13 of the DB25 connector on the rear of the Reciter.

Connect the other side of the antenna changeover relay coil to the Tx relay output, pin 24 of the DB25 connector on the rear of the Reciter.

### NOTE

Before Coaxial Relay kit can operate a PSU with Aux 12V Supply must be fitted to TB8000 rack configuration.

Plus SIF to PSU power cable must be fitted.

Software File Name: TB8000 Relay Assembly-2.cdr

GENERAL LIMITS (UNLESS STATED)  
 LINEAR : +0.2  
 HOLES : +0.1  
 ANGLES : 1°  
 ALL DIMENSIONS IN mm.

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TB8000 Coaxial Relay Fitting Instructions

0	Corrected Text	Chris Q		29-04-2005
0	Original	Chris Q		17-11-2004
ISS	AMENDMENTS	DRWN	CHKD	APVD

MATERIAL:  
 FINISH:

ORIGINAL SCALE:  
 DRAWING SIZE : A4

DO NOT SCALE IF IN DOUBT ASK!



IPN: TBA60B1

TB8000 USED ON

SHT 1 OF 1