

METHOD OF TAKING EQUIPMENT AND CIRCUITS OUT OF SERVICE

740A, 740B, 740C, AND 740AX PBX

1. GENERAL

1.01 This section describes the methods to be followed in taking equipment and circuits out of service at 740A, 740B, 740C, and 740AX PBX, when it is necessary to do so on account of trouble or to remove certain equipment for replacement.

1.02 This section is reissued to convert it to letter size and to remove information on the 740E PBX which is now covered in new Section 546-404-320.

1.03 When PBX trunks are to be made busy at the central office end, call the test center and ask them to arrange to have the trunks made busy.

1.04 Local instructions should be followed for recording and reporting equipment taken out of service.

2. APPARATUS

2.01 No. 258 type (make-busy) plug, as required.

2.02 No. 375A (make-busy plug) tool or No. 477A (make-busy plug) tool, as required.

3. METHOD

Stations (740A, 740B and 740AX)

3.01 When a station is disconnected and local instructions call for making it busy, wire the station circuit in the following manner.

3.02 Unsolder and remove the jumper at the main distributing terminal.

3.03 *Stations connected on levels 1-6, inclusive:* Disconnect the sleeve lead of the associated "L" relay from terminal 2T and connect

the sleeve lead to ground on terminal 1B of the "L" relay.

3.04 *Stations connected on levels 7 to 8, inclusive:* Disconnect the sleeve lead of the associated "CO" relay from terminal 5T and connect the sleeve lead to ground on 1B of the "L" relay.

3.05 *Stations connected on level 9:* Connect ground to the sleeve terminal on the selector-connector terminal strip.

Station (740C)

3.06 When a station is disconnected and local instructions call for making it busy, wire the station circuit in the following manner: Unsolder and remove the jumper at the main distributing terminal. Disconnect the sleeve lead of the associated "L" relay from terminal 2T and connect the sleeve lead to ground on terminal 1B of the "L" relay.

Line Finder (740A, 740B, 740C, and 740AX)

3.07 To take a line finder out of service, insert a No. 258 type plug into the test and make-busy jack associated with the line finder.

Note: If the line finder is off normal the insertion of the make-busy plug will not interfere with the release of the line finder.

3.08 If the switch is removed from the frame, note that jack springs No. 14 and 16 make contact when the switch has been removed.

Selector-Connectors (740A, 740B, 740C, and 740AX)

3.09 To take a selector-connector out of service, insert a No. 258 type plug into the test and make-busy jack of the associated line finder.

Note: If the line finder is off normal, the insertion of the make-busy plug will not interfere with the release of the line finder.

3.10 If the switch is removed from the frame, note that jack springs No. 9 and 11 make contact when the switch is removed.

Trunks

3.11 *Combination Central Office Trunk 740A, 740B, and 740C:* Call the test center and have the trunk made busy or removed from service at the central office end. Make the trunk busy on the selector level of the selector-connectors and at the switchboard by blocking the B relay of the trunk circuit in the operated position.

3.12 If the trunk unit is removed from the frame, note that jack springs No. 9 and 11 make contact when the unit has been removed.

3.13 *Dial Central Office Trunk 740A, 740B, and 740AX:* When a central office trunk working from a level of a selector or selector-connector is to be removed from service, block operated the C relay of the trunk circuit.

3.14 *Attendant Central Office Trunk 740AX:* Call the test center and have the trunk made busy or removed from service at the central office end. Have the PBX attendant leave a cord in the trunk jack.

3.15 *Attendant Trunk 740AX:* When a trunk working from a level of a selector-connector to the attendant is to be removed from service, block operated the CH relay of the trunk circuit.

Tie Trunks (740A, 740B, and 740AX)

3.16 Call the attendant at the distant PBX and have the tie trunk made busy at that end by leaving a cord in the trunk jack. Also make the tie trunk busy by blocking operated the relay indicated in Table A except in the case of two-way manual ringdown tie trunks. These latter tie trunks should be made busy at the attendant's position by having a cord left in the tie trunk jack.

Note 1: When the distant PBX is of the 710 or 711 type, or the 702 type having tie trunks which terminate on incoming selectors only, it will be necessary to arrange to have someone at that PBX to block operated the B relay (710 or 711 PBX) or M2 relay (702 PBX).

Note 2: When the distant PBX is of the 740A or 740B type, advise the attendant of that PBX to make the tie trunk busy in the following manner: Request the attendant to operate the key of the tie trunk to its TLK position, operate the EXT-DIAL key and dial an unassigned connector terminal. Then have the attendant restore these keys to normal.

TABLE A

Tie Trunk	Relay to be Blocked
Outgoing Dial Repeating — Incoming Manual and Dial Selected	C
Two-Way Manual and Dial Selected	C
Outgoing Manual Selected Dial Repeating — Incoming Manual and Dial Selected	SL
Outgoing Manual — Incoming Manual and Dial Selected	S1

3.17 If the tie trunk units are of the type which can be removed from the shelf of the switch frame, note that jack springs No. 9 and 11 make contact whenever any unit has been removed.

3.18 When tie trunks are to be restored, remove any blocking tools from the relays and advise the attendant at each PBX to remove the cords used for busying the tie trunk.

Note 1: In the case of the 702, 710 or 711 type PBX as covered by Note 1 under 3.16 it will be necessary to have someone at the PBX remove the block from the relay in the tie trunk circuit.

Note 2: In the case of the 740A or 740B type PBX, advise the attendant at the PBX to operate the tie trunk key to its TLK position and then operate the RLS key. This will release the switches and restore the tie trunk to normal after which the keys are restored to normal.