TMC SPECIFICATION

NO. S1367

REV:

COMPILED: | CHECKED: | APPD: | SHEET 1 OF 3

TITLE:

KIT 408

NETWORK DISCRIMINATOR MODIFICATION

USED ON

HFL()-10K

AZ117 was redesigned and is now referred to as AZ131.

PURPOSE:

To insure proper protection to drive-up and load capacitor printed circuit board assemblys. AZ117 may at times be sensitive to normal transmitter voltage transients. It would be beneficial to further insure reliability by replacing AZ117 with AZ131.

To facilitate ease of repair AZ131 was designed with transistor sockets, its own connector, components are all now discreet and easily replaceable. Also all wiring is internal to this assembly.

AZ131 is a direct replacement for AZ117. It is supplied fully wired with its own connector intact, when used as a drive-up control board.

AZ131 when used in the load capacitor assembly, does not require a connector and the input wires are brought directly to the printed circuit board. (Refer to CK2111 for a pictorial comparison.) Hereafter AZ131 will be referred to as:

A-5269-1 (used in drive-up ass'y)
A-5629-2 (used in the load capacitor ass'y)

A1005 drive-up control board (Z117) will be replaced with AZ131 (supplied).

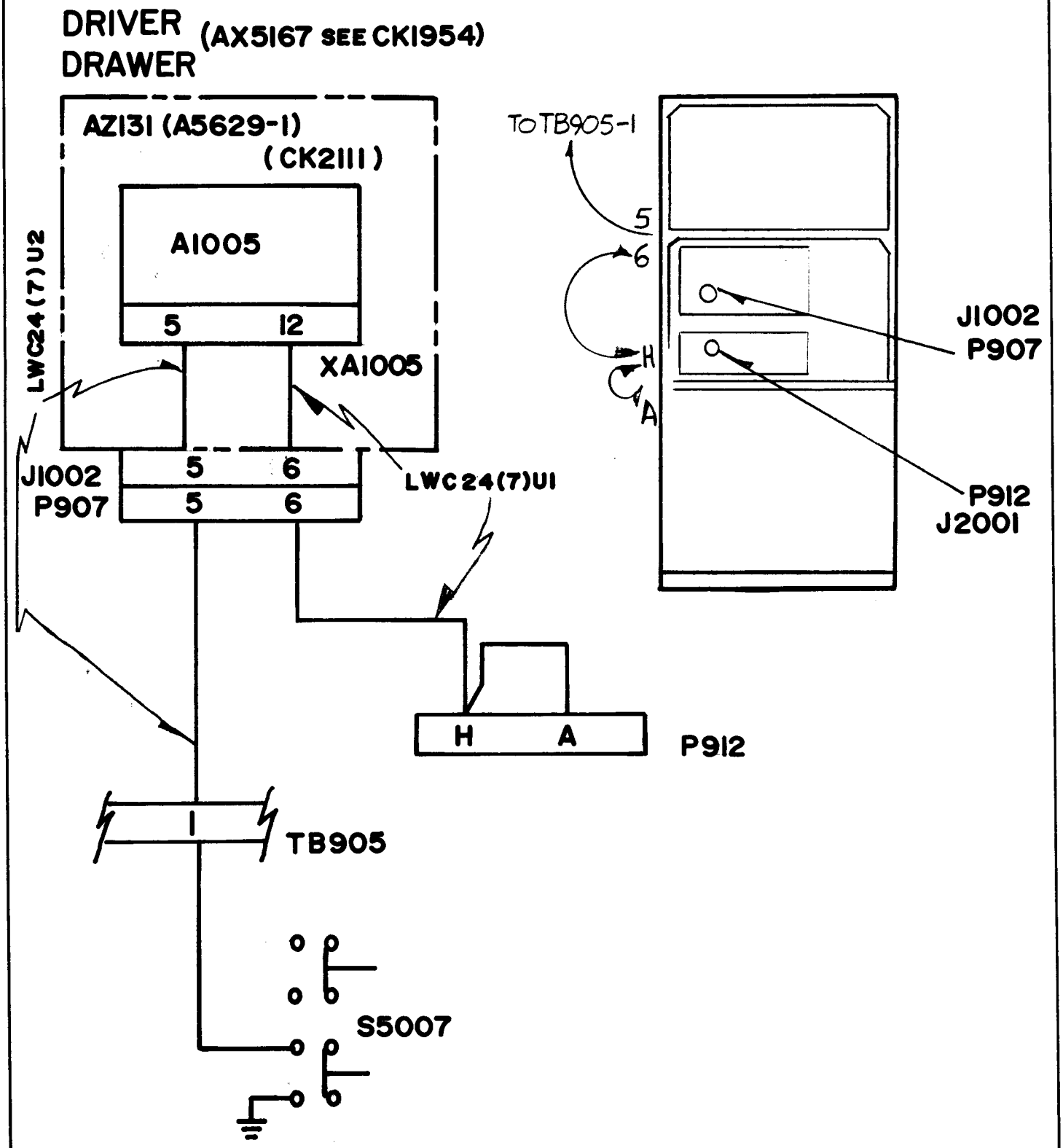
The chassis mounted connector XA1005 must be modified to incorporate three (3) additional wires.

The routing of these wires is illustrated.

PRINCIPLES OF OPERATION:

Drive-up Control Board (A-5269-1) - When the transmitter accomplishes or is put in a manual-ready position, a ground will be put on pin 12 of (XA1005). This will latch K3 of A1005 (A-5629-2) in the open position, thus breaking the path of any unwanted voltage transients.

When the transmitter is going through its tuning cycle, a ground will be placed on pin 5 of XA1005 and latch K3 of A1005 (A-5269-1) in a closed position allowing A-5269-1 (AZ131) to fully complete its drive operation.


DRIVER DRAWER (AX5167 SEE CK1954)
AZ131 (A5629-1)
(CK2111)
A1005
5
12
XA1005
LWC24(7)U2
J1002
P907
5
6
5
6
LWC24(7)U1
H
A
P912
1
TB905
S5007
TO TB905-1
5
6
H
A
J1002
P907
P912
J2001