

## AUTO FLIGHT – REWORK OF GSE 164 – WIRING MODIFICATION

### 1. PLANNING INFORMATION

#### A. BULLETIN EFFECTIVITY

Ground Support Equipment (GSE) affected:

Name: Kit simulation, Air / Ground – Electronic Box

Reference: GSE 164

PN: AGE-01837-401

Manufacturer: Embraer

SN: None.

#### B. GSE APPLICATION

The GSE affected by this bulletin is applicable to:

Aircraft Model: Embraer 190( ) and 195( ).

#### C. CONCURRENT REQUIREMENTS

None.

## D. REASON

### (1) HISTORY

After analysis, Embraer GSE Engineering concluded that it is necessary to change the electrical installation presented in AGE-01837-401 by inverting the applicable wires.

### (2) OBJECTIVE

To swap electrical connections of AGE-01837-401 presented in GSE 164.

### (3) EXPECTED BENEFITS

To return the AGE to the original configuration.

### (4) REVISION HISTORY

None.

## E. DESCRIPTION

The modification presented in this bulletin consists in inverting the electrical connections between two wires presented in AGE-01837-401 and reidentify the AGE.

## F. COMPLIANCE

This bulletin may be accomplished at any time, at the operator's discretion.

## G. ESTIMATED MANPOWER

This estimate is for direct labor only, performed by experienced personnel, and does not include the time to plan, prepare, or inspect the work.

It is assumed that all the tools, parts, and other means are promptly available when necessary.

This estimate does not include the sealant, paint, or adhesive curing time.

- Inspection: None.
- Modification: 0.5 man-hours.
- Test: 0.5 man-hours.

## H. REFERENCES

CMM-( )/( )    Component Maintenance Manual – 32-62-00 - KIT - SIMULATION, AIR / GROUND - ELECTRONIC BOX.

## I. AFFECTED PUBLICATIONS

AGE-01837    Ground Support Equipment – SIMULATION BOX, ASSY – AIR/GROUND.

ITEM-( )/( )    GSE 164 – KIT - SIMULATION, AIR / GROUND - ELECTRONIC BOX.

CMM-( )/( )    Component Maintenance Manual – 32-62-00 - KIT - SIMULATION, AIR / GROUND - ELECTRONIC BOX.

## 2. MATERIAL INFORMATION

### A. MATERIAL – PRICE AND AVAILABILITY

#### (1) MATERIAL AVAILABLE FROM EMBRAER

None.

#### (2) MATERIAL AVAILABLE FROM OTHER VENDORS

None.

### B. MATERIAL NECESSARY FOR EACH GSE

None.

#### (2) MATERIAL TO BE PROCURED

##### (a) Parts

The parts below should be ordered as spares from Embraer.

NEW PN	DESCRIPTION	OLD PN	QTY SUP	DISP/ Notes
PE16014-1	Placard	PE16014-1	01	3

##### (b) Consumables

NEW PN	DESCRIPTION	OLD PN	QTY SUP	DISP/ Notes
AV138	Epoxy-Adhesive AV 138	-	A.R.	6
HV998	Catalyst - Adhesive	-	A.R.	6

### QUANTITY:

AR = As Required.

**DISPOSITION:**

3 = Replace part bearing OLD PN with part bearing NEW PN.

6 = Apply as required

## C. REIDENTIFIED PARTS

DESCRIPTION	OLD PN	NEW PN
SIMULATION, AIR / GROUND - ELECTRONIC BOX	AGE-01837-401	AGE-01837-403

## D. RESOURCES & TOOLING

None.

### **3. ACCOMPLISHMENT INSTRUCTIONS**

The steps below outline the general accomplishment instructions.

- A. Make sure that GSE 164 is safe for maintenance.
- B. Make the electrical modification according to Figure 1.
- C. Replace placard with PN AGE-01837-401 with new PN AGE-01837-403, to reidentify the ground support equipment box. See Figure 2.
- D. Do the applicable test to GSE 164. Refer to CMM – Component Maintenance Manual – Chapter 32-62-00 – Kit Simulation Air/ Ground Electronic Box.
- E. Restore the GSE to the normal operating condition.
- F. Enter the accomplishment of this bulletin in the applicable documents.

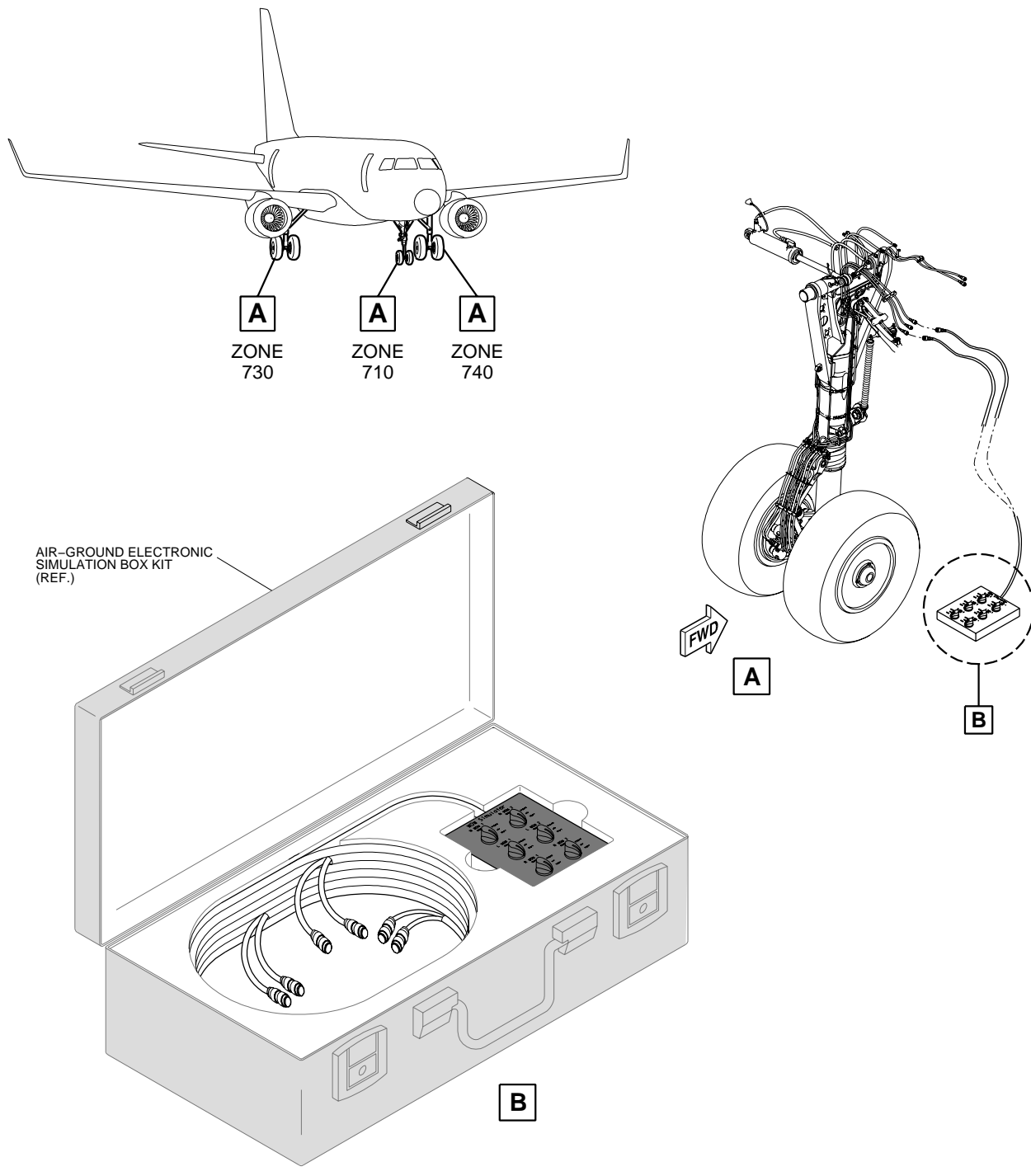
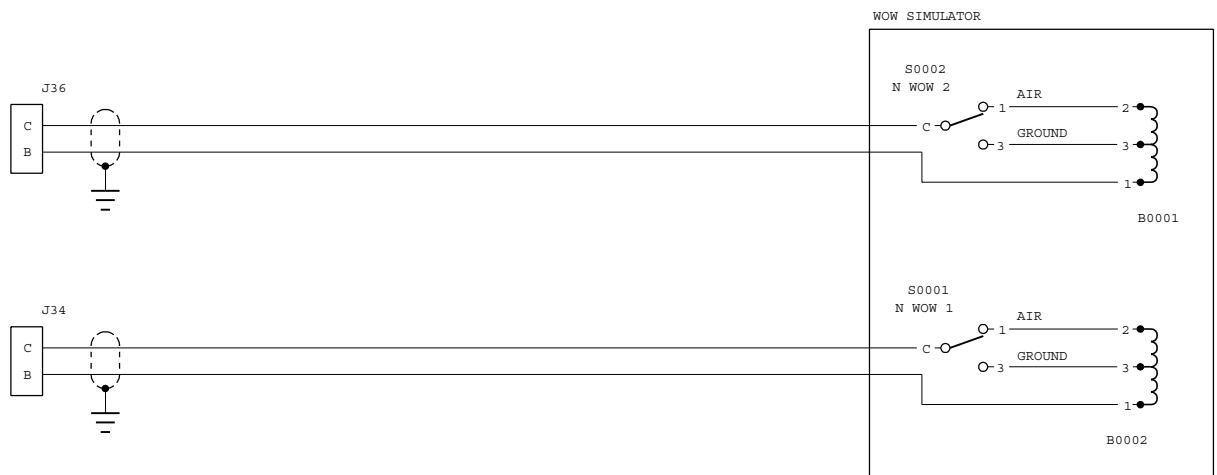


FIGURE 1: GSE 164 – WIRING MODIFICATION  
(SHEET 01 OF 03)



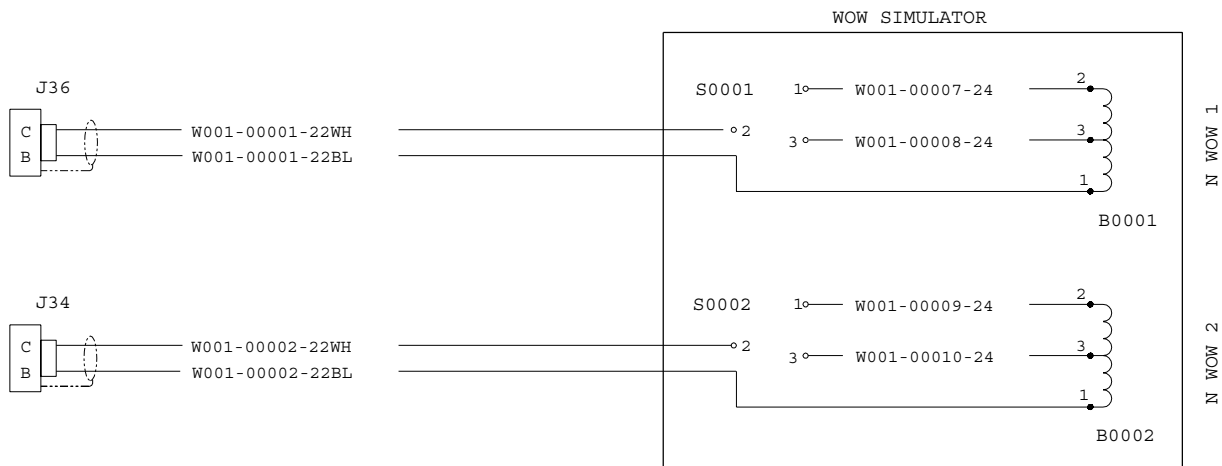
PRE - MOD



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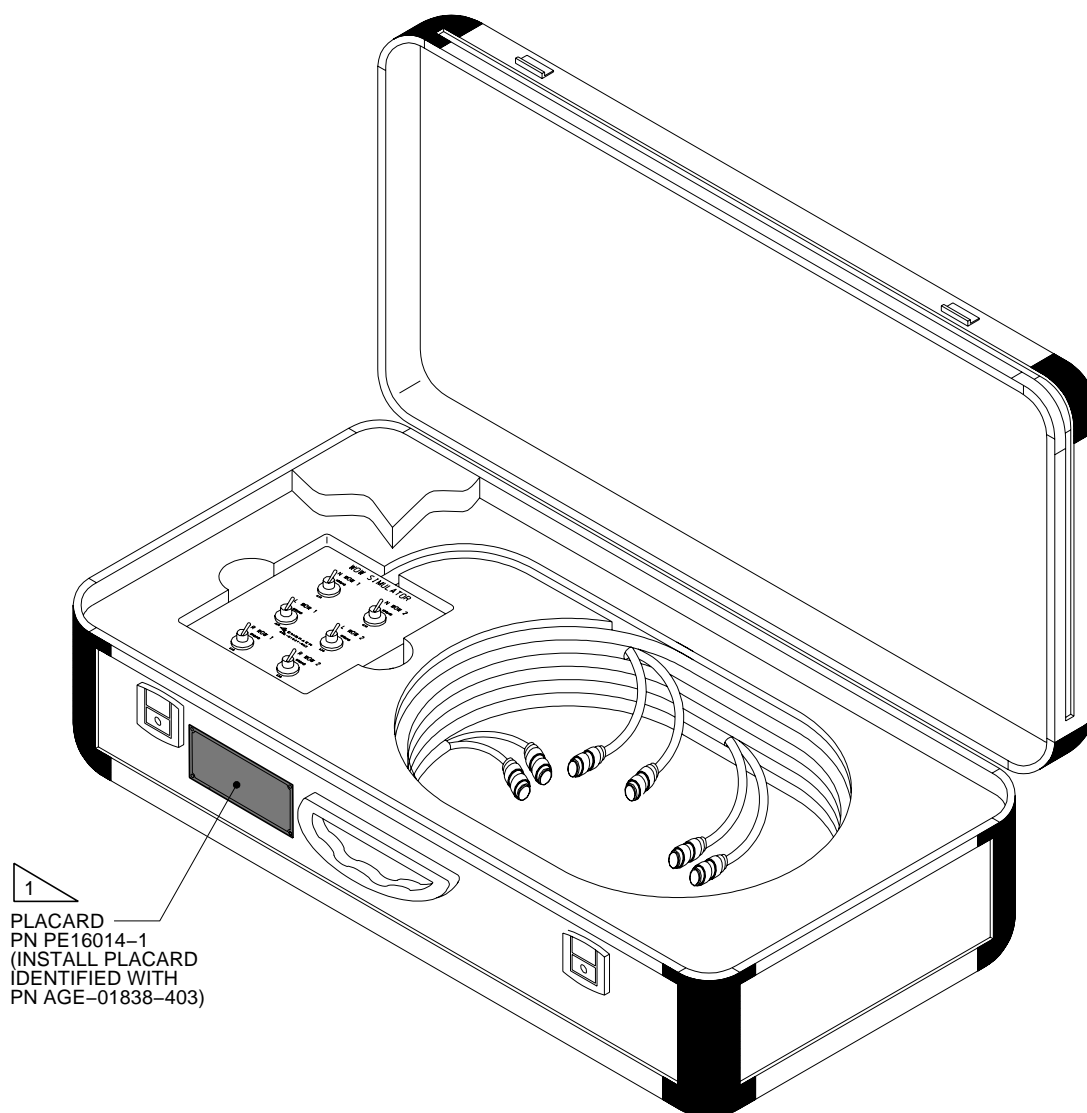
FIGURE 1: GSE 164 – WIRING MODIFICATION  
(SHEET 02 OF 03)

POST - MOD



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FIGURE 1: GSE 164 – WIRING MODIFICATION  
(SHEET 03 OF 03)



1 APPLY EPOXY ADHESIVE PN AV 138 AND CATALYST PN HV998.

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**FIGURE 2: GSE 164 – GSE REIDENTIFICATION  
(SHEET 01 OF 01)**