



AIRCRAFT MAINTENANCE MANUAL

SELCAL DECODER - REMOVAL/INSTALLATION

EFFECTIVITY: AIRCRAFT EQUIPPED WITH SELCAL SYSTEM

1. General

- A. This section gives the procedures to remove and install the SELCAL Decoder.
- B. The procedures in this section are given in the sequence below. The tasks identified with (♦) are part of the Scheduled Maintenance Requirements Document (SMRD).

TASK NUMBER	DESCRIPTION	EFFECTIVITY
23-21-01-000-801-A	SELCAL DECODER - REMOVAL	AIRCRAFT EQUIPPED WITH SELCAL SYSTEM
23-21-01-400-801-A	SELCAL DECODER - INSTALLATION	AIRCRAFT EQUIPPED WITH SELCAL SYSTEM



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

TASK 23-21-01-000-801-A

EFFECTIVITY: AIRCRAFT EQUIPPED WITH SELCAL SYSTEM

2. SELCAL DECODER - REMOVAL

A. General

- (1) This procedure gives the instructions to remove the SELCAL Decoder.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-03/100	- COMPONENT LOCATION

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
224	224KRW	Cockpit

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

Not Applicable

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	In the cockpit

I. Preparation

SUBTASK 841-002-A

- (1) On the circuit breaker panel, open the SELCAL circuit breaker and attach a DO-NOT-CLOSE tag to it (Location Tip: SHED DC BUS 1/SELCAL).
- (2) Open panel 224KRW ([AMM MPP 06-41-03/100](#)).

J. Removal (Figure 401)

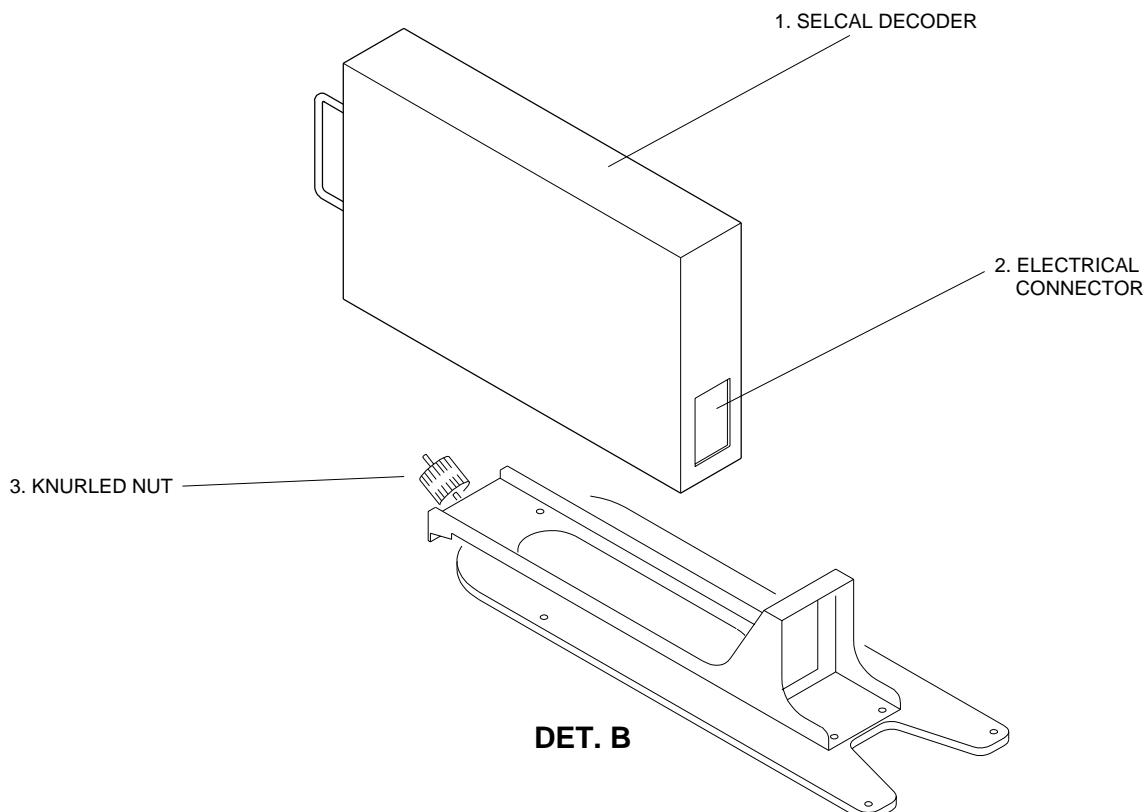
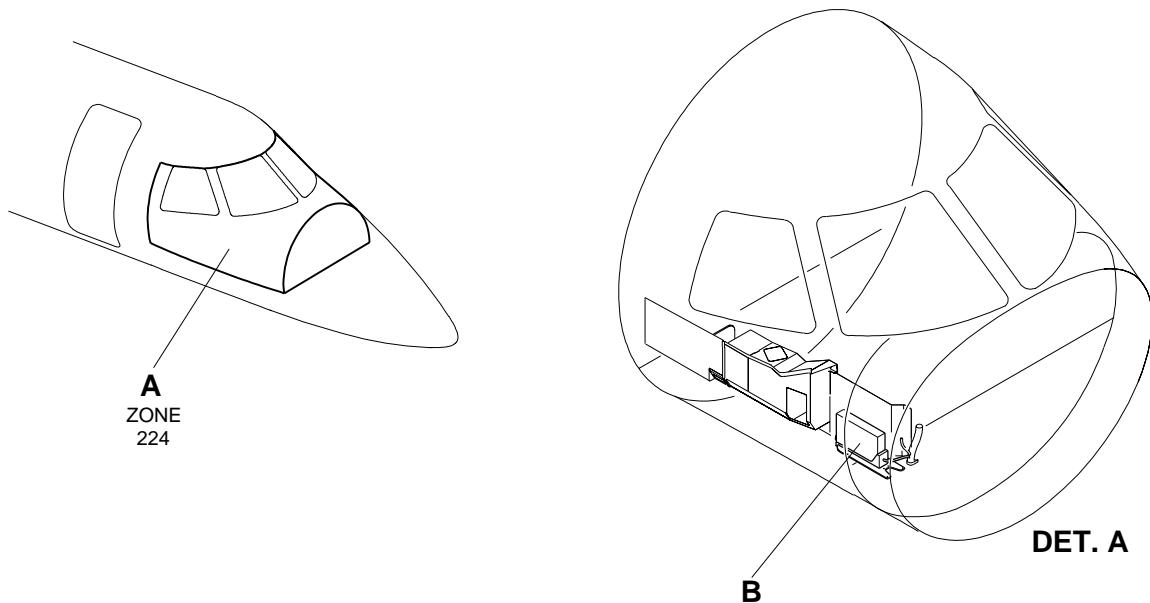
SUBTASK 020-002-A

- (1) Release the knurled nut (3) which attaches the SELCAL decoder (1).
- (2) Pull the SELCAL decoder (1) by its handle, until it is disconnected from the electrical connector (2) attached to the mounting rack.
- (3) Remove the SELCAL decoder computer (1) from the mounting rack.

EFFECTIVITY: AIRCRAFT EQUIPPED WITH SELCAL SYSTEM

SELCAL Decoder - Removal/Installation

Figure 401



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TASK 23-21-01-400-801-A

EFFECTIVITY: AIRCRAFT EQUIPPED WITH SELCAL SYSTEM

3. SELCAL DECODER - INSTALLATION

A. General

- (1) This procedure gives the instructions to install the SELCAL Decoder.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-03/100	- COMPONENT LOCATION
AMM TASK 23-21-00-700-801-A/500	SELCAL SYSTEM - OPERATIONAL TEST

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
224	224KRW	Cockpit

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

Not Applicable

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	In the cockpit

I. Installation (Figure 401)

SUBTASK 420-002-A

- (1) Install the SELCAL decoder (1) on the mounting rack.
- (2) Push the SELCAL decoder (1) by its handle until it is connected to the electrical connector (2) attached to the mounting rack.
- (3) Tighten the knurled nut (3) which attaches the SELCAL decoder (1) to the mounting rack.

J. Follow-on

SUBTASK 842-002-A

- (1) Configure the SELCAL code, as applicable.

NOTE: • The SELCAL selection of codes is made by means of four knobs mounted on the front of the decoder. Above each knob there is a letter indicating the selected frequency.

- If you need a new SELCAL code, request it through website www.asri.aero. In this case, the SELCAL code placard on the main panel must be replaced by an updated one.
- If there is no SELCAL code assigned to the aircraft and the operator needs to deactivate the SELCAL in any way other than through a service bulletin, it is the operator's responsibility to set the SELCAL code by inserting code AAAA (non-operational code). The code does not disable the SELCAL, but the SELCAL becomes non-operational. In this case, the SELCAL code placard on the main panel must be removed and discarded.

- (2) On the circuit breaker panel, close the SELCAL circuit breaker and remove the DO-NOT-CLOSE tag from it (Location Tip: SHED DC BUS 1/SELCAL).
- (3) Do an operational test of the SELCAL decoder system ([AMM TASK 23-21-00-700-801-A/500](#)).
- (4) Close panel 224KRW ([AMM MPP 06-41-03/100](#)).

