



AIRCRAFT MAINTENANCE MANUAL

HGS COMPUTER - REMOVAL/INSTALLATION

EFFECTIVITY: AIRCRAFT WITH HEAD-UP GUIDANCE SYSTEM

1. General

- A. This section gives the procedure to remove/install the HGS Computer.
- B. HGS Computer is installed on the right side of the electronic compartment.
- C. The access to HGS Computer is got through access panel 113CZ in the forward electronic compartment.
- D. 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
34-23-01-000-801-A	HGS COMPUTER - REMOVAL	AIRCRAFT WITH HEAD-UP GUIDANCE SYSTEM
34-23-01-400-801-A	HGS COMPUTER - INSTALLATION	AIRCRAFT WITH HEAD-UP GUIDANCE SYSTEM



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TASK 34-23-01-000-801-A

EFFECTIVITY: AIRCRAFT WITH HEAD-UP GUIDANCE SYSTEM

2. HGS COMPUTER - REMOVAL

A. General

- (1) This task gives the procedure to remove the HGS Computer.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM TASK 29-10-00-860-802-A/200	HYDRAULIC SYSTEM - PRESSURIZATION WITH EMDP
AMM TASK 32-00-02-910-801-A/200	SAFETY PIN OF THE NLG DOORS SOLENOID VALVE - INSTALLATION AND REMOVAL
SB145-32-0036	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
214	113CZ	Forward electronic compartment - RH upper side

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	Forward electronic compartment

I. Preparation

SUBTASK 841-002-A

- (1) Open access door 113CZ (AMM MPP 06-41-01/100).
- (2) On aircraft PRE-MOD SB145-32-0036, make sure that the pressure in hydraulic system 1 is fully released (AMM TASK 29-10-00-860-802-A/200).
- (3) On aircraft POST-MOD SB145-32-0036, install the safety pin of the NLG door solenoid valve (AMM TASK 32-00-02-910-801-A/200).



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- (4) On the Circuit Breaker Panel, open the HGC circuit breaker and attach a DO-NOT-CLOSE tag to it.

J. Removal ([Figure 401](#))

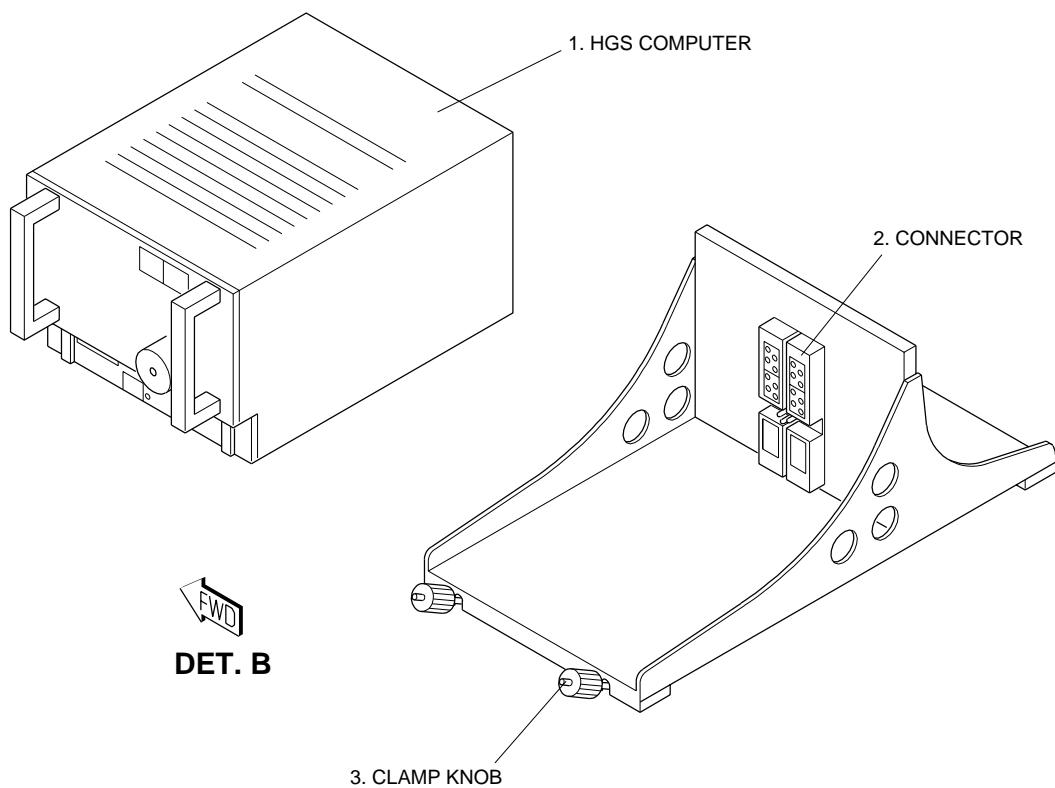
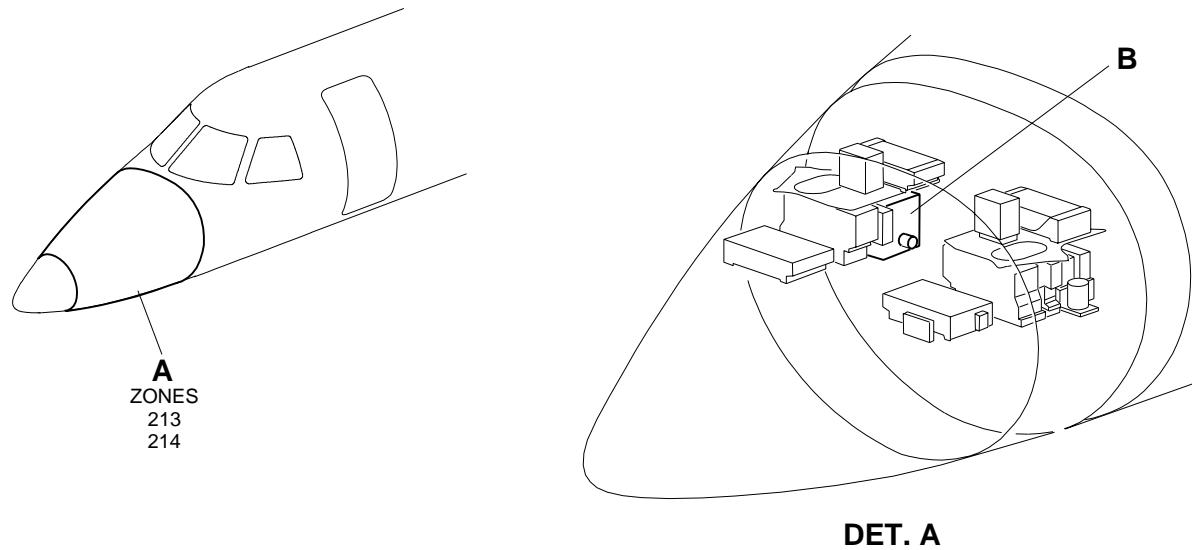
SUBTASK 020-002-A

- (1) Loosen the two clamp knobs (3) until they are disconnected from the support hooks.
- (2) Remove the HGS Computer (1).

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HGS Computer - Removal/Installation

Figure 401



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TASK 34-23-01-400-801-A
EFFECTIVITY: AIRCRAFT WITH HEAD-UP GUIDANCE SYSTEM
3. HGS COMPUTER - INSTALLATION
A. General

(1) This task gives the procedure to install the HGS Computer.

B. References

<i>REFERENCE</i>	<i>DESIGNATION</i>
AMM MPP 06-41-01/100	-
AMM TASK 32-00-02-910-801-A/200	SAFETY PIN OF THE NLG DOORS SOLENOID VALVE - INSTALLATION AND REMOVAL
AMM TASK 34-23-00-700-801-A/500	HEAD-UP GUIDANCE SYSTEM (HGS) - OPERATIONAL TEST
SB145-32-0036	-

C. Zones and Accesses

<i>ZONE</i>	<i>PANEL/DOOR</i>	<i>LOCATION</i>
214	113CZ	Forward electronic compartment - RH upper side

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

Not Applicable

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

<i>QTY</i>	<i>FUNCTION</i>	<i>PLACE</i>
1	Does the task	Forward electronic compartment

I. Installation (Figure 401)
SUBTASK 420-002-A

CAUTION: WHEN YOU PUT THE UNIT ON THE MOUNTING TRAY, DO NOT FORCE FIT. IF MATING IS DIFFICULT, REMOVE THE UNIT AND MAKE SURE THAT THE CONNECTOR PINS ARE NOT BENT OR OUT OF ALIGNMENT. ALSO, VISUALLY EXAMINE THE ALIGNMENT OF THE RECEPTACLE ON THE MOUNTING TRAY.



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- (1) Put the HGS Computer (1) on the mounting tray. Move it onto the three guide pins. Move the unit rearward until its connectors are fully engaged with the mating connectors (2) of the mounting tray.
- (2) Tighten the clamp knobs (2) over the support hooks to attach the unit in position.

J. Follow-on

SUBTASK 842-002-A

- (1) Close access door 113CZ (AMM MPP 06-41-01/100).
- (2) On aircraft POST-MOD [SB145-32-0036](#), remove the safety pin of the NLG door solenoid valve ([AMM TASK 32-00-02-910-801-A/200](#)).
- (3) On the Circuit Breaker Panel, close the HGC circuit breakers and remove the DO-NOT-CLOSE tag from it.
- (4) Do the HGS Operational Test ([AMM TASK 34-23-00-700-801-A/500](#)).