



AIRCRAFT
MAINTENANCE MANUAL

STARTER CONTROL VALVE - MAINTENANCE PRACTICES

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to manually open the starter control valve (SCV).
- 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
80-10-02-980-801-A	STARTER CONTROL VALVE - MANUAL OVERRIDE	ALL



AIRCRAFT
MAINTENANCE MANUAL

EMB145 - EMB135

TASK 80-10-02-980-801-A

EFFECTIVITY: ALL

2. STARTER CONTROL VALVE - MANUAL OVERRIDE

A. General

- (1) If the electrical circuit for the SCV becomes inoperative, the SCV can be operated with a manual override control.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-43-00/100	- COMPONENT LOCATION
AMM MPP 71-00-00/200	- MAINTENANCE PRACTICES
AMM TASK 71-00-01-910-801-A/200	ENGINE START PROCEDURE (NORMAL)

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
413	413AB	LH Engine
423	423AB	RH Engine

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Ladder	To get access to the SCV	1

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Engine

I. Preparation

SUBTASK 841-002-A

WARNING: BEFORE YOU DO THE TASK, OBEY THE SAFETY PRECAUTIONS GIVEN IN AMM MPP 71-00-00/200 TO PREVENT INJURY TO PERSONS AND DAMAGE TO MATERIAL.

- (1) Put the ladder in the work area.

- (2) Open the access door 413AB/423AB ([AMM MPP 06-43-00/100](#)) to get access to the SCV.
- J. Starter Control Valve - Manual Override Control ([Figure 201](#))
SUBTASK 980-002-A

WARNING: WHEN YOU OPERATE THE SCV MANUALLY, PUT PROTECTIONS ON YOUR HANDS AND ARMS. THIS CAN PREVENT INJURIES CAUSED BY THE HEAT AND AIR BLAST FROM THE STARTER.

- CAUTION:**
- IF THE VALVE IS NOT CLOSED WHEN THE ENGINE N2 INDICATION ON THE EICAS COMES TO THE IDLE VALUE, DAMAGE TO THE AIR TURBINE STARTER (ATS) CAN OCCUR.
 - MANUAL OPERATION OF THE SCV WITHOUT AIR PRESSURE IN THE INLET DUCT CAN CAUSE DAMAGE TO THE VALVE.

- (1) **NOTE:** Use the rear (ramp) interphone system for communications between persons on the ramp and in the cockpit.

Do the normal engine start procedure ([AMM TASK 71-00-01-910-801-A/200](#)), and tell the ground crew to turn the SCV manual override control to the open position and hold it.

- (2) When engine N2 comes to the idle value, tell the ground crew to release the SCV manual control. The valve will come back to the closed position automatically.

- K. Follow-on

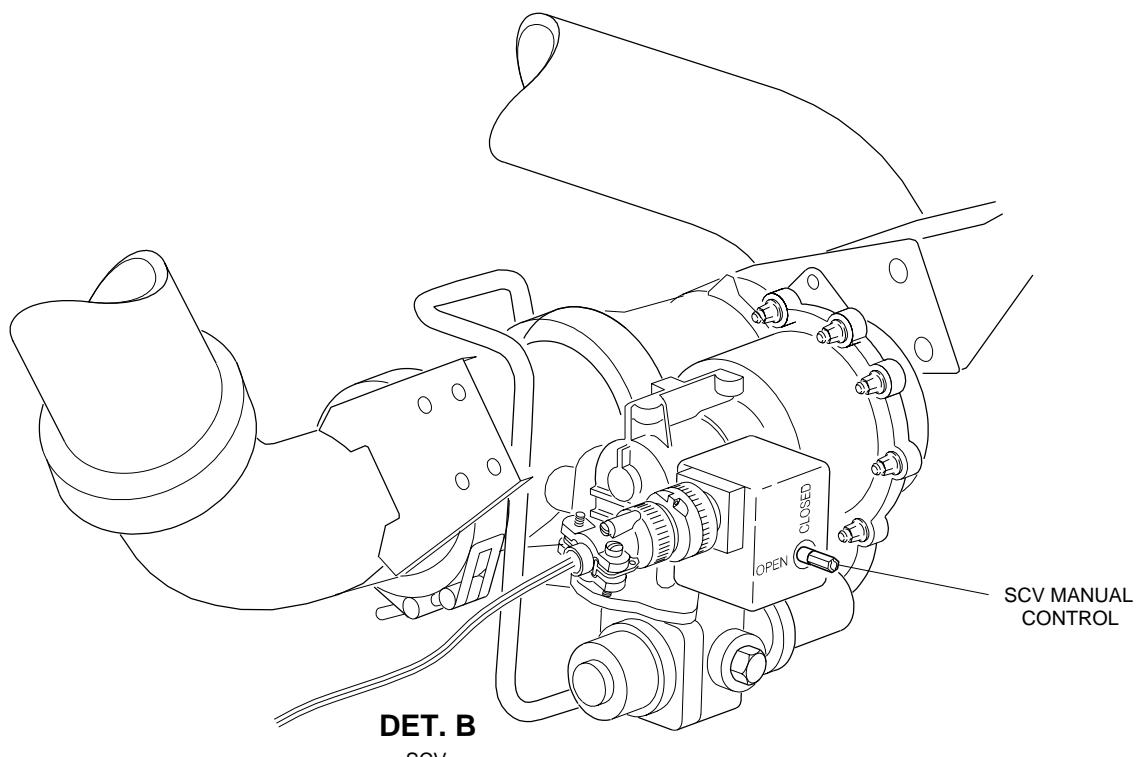
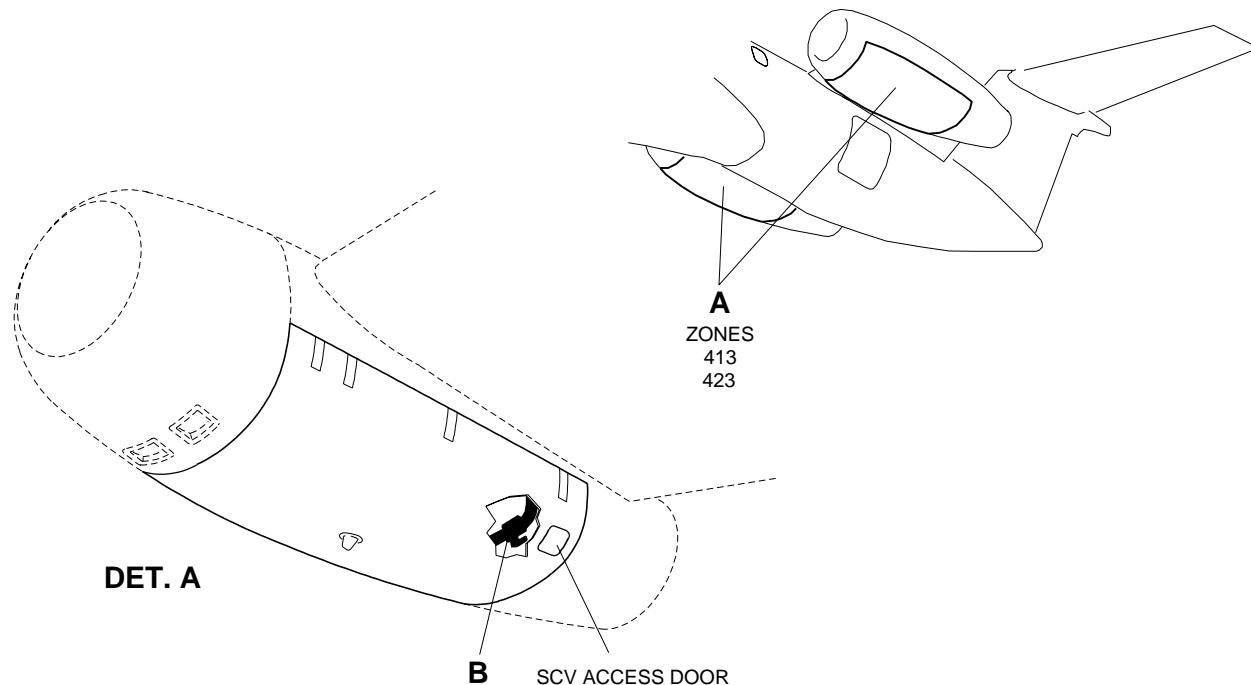
SUBTASK 842-002-A

- (1) Remove the ladder.
- (2) Close the access door 413AB/423AB ([AMM MPP 06-43-00/100](#)).

EFFECTIVITY: ALL

Starter Control Valve Manual Override Control - Component Locations

Figure 201



145AMM800011.MCE A