

DATE: June 7, 1971

SUBJECT: Cabin Floor Inspection and Modification

SERIALS AFFECTED: AA1-0001 thru AA1-0457
AALA-0001 thru AALA-0123

TIME OF COMPLIANCE: At next scheduled inspection or sooner at owner's discretion

General

Field reports have indicated that on some aircraft, minor delamination of the honeycomb cabin floor bottom skin has occurred. Investigation has revealed the cause to be water ingestion around the PK screws which attach the kick pads, console and carpet retaining strips to the floor. If the accumulated water freezes, minor delamination of the honeycomb bottom skin may result. Drilling the PK screw holes completely through the bottom skin eliminates the possibility.

Inspection

Inspect the cabin honeycomb floor bottom skin from under the aircraft. Delamination of the honeycomb skin will be indicated by bumps in the skin approximately 3/4 to 1-1/2 inches in diameter. If delamination is found, Service Kit Number SK-110, (Honeycomb Repair) should be incorporated. Service Kit No. SK-110 which includes necessary material and complete instructions for making a satisfactory repair of delaminated areas, is available from your authorized American Aviation Corporation Dealer at no charge until December 1, 1971. Thereafter, the kit will be available at a cost of \$10.00 (A).

Modification

It is recommended all PK screws in the cabin floor forward of the main spar (Figure 1) be removed, one at a time, and the holes be drilled through the bottom skin from the top using a #40 (.098") drill. This will allow any water entering around the PK screws to drain. After drilling each hole through bottom skin, reinstall the PK screw before proceeding to next screw. This will help maintain alignment and prevent possible enlargement of the screw holes. After all screw holes have been drilled through bottom skin, insert the shank end of the #40 drill in the hole from underneath and push drill aft to provide a lip on the forward edge of hole. (See Figure 2).

N O T E

Do not extend shank of drill into honeycomb more than 1/8 inch. Use care in performing this operation to prevent delaminating the honeycomb.

Carbon monoxide levels have been checked by the manufacturer and found to be satisfactory.

AA1-0458 and on, and AALA-0124 and on have all holes drilled through the bottom skin and are not affected by this Service Letter.

Very truly yours,

AMERICAN AVIATION CORPORATION

Paul H. ...

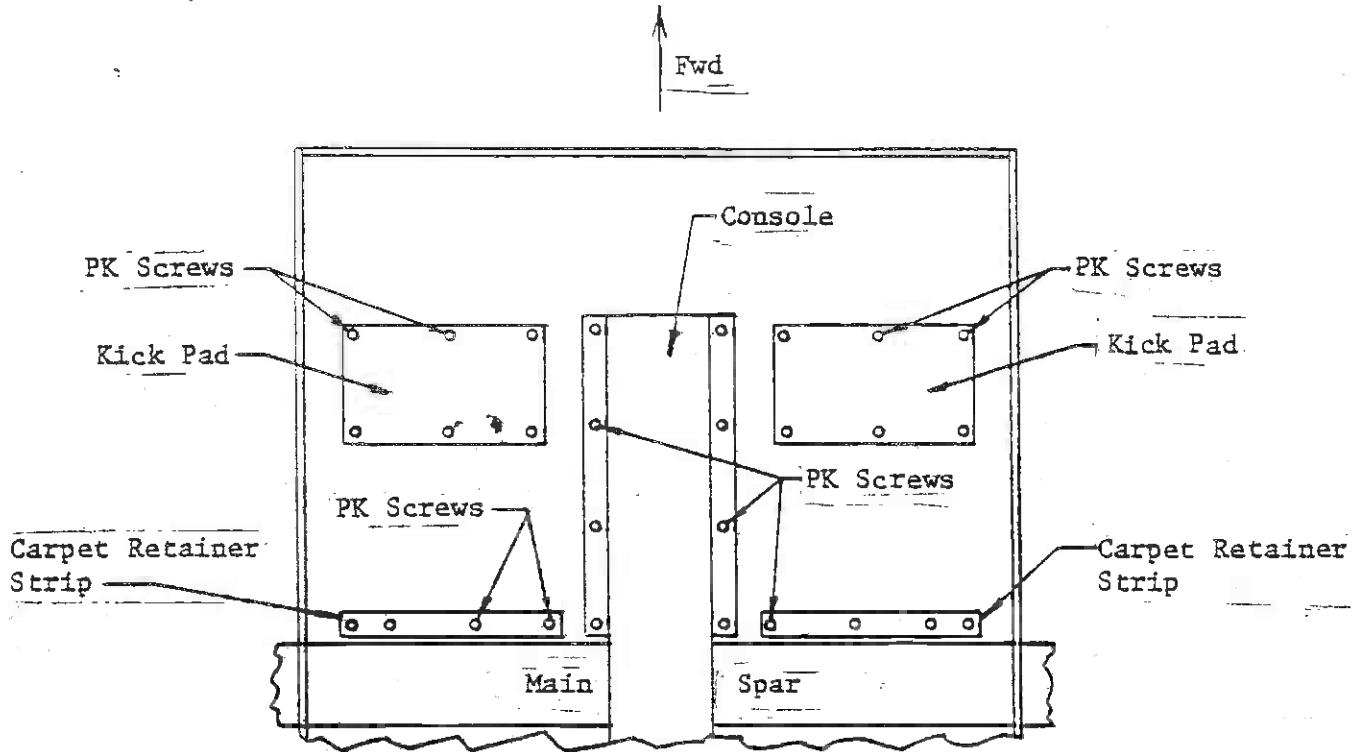
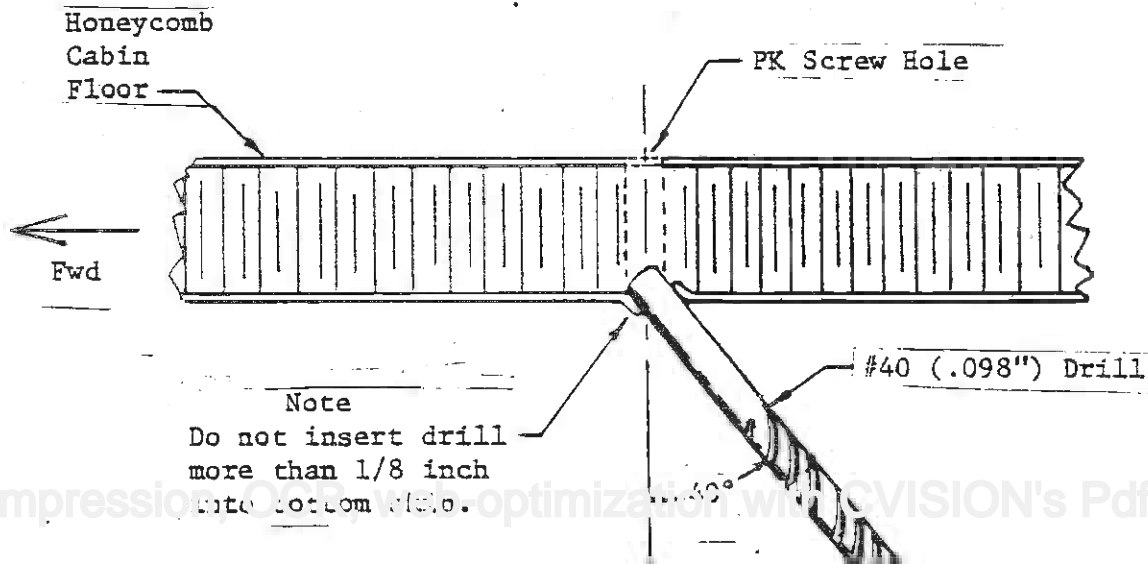


Figure 1. PK Screw Locations



Note
Do not insert drill
more than 1/8 inch
into bottom rib.

#40 (.098") Drill

60°