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SERVICE LETTER

No. SL-AG-118

Initial Release 06/15/2015

Relocating Engine Control Hardware to Improve
Engine Response

James Alman
Vice President of Engineering

AIRPLANES AFFECTED:

MODEL

S2R-H80

SERIAL NUMBERS

H80-101 & UP

LOG OF REVISIONS

NOTE: Re-formatting and correction of typographical errors is not considered revision. True revisions are indicated by a dark vertical line at the right margin of the lines revised.

Rev.	Page	Description of Revision	By:
IR	All	New Document Initial Release. Reference Engineering Change Notice (ECN) 732000001 and Drawing 10836-1 Revision C.	G. Moreland 06/15/2015

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1. PURPOSE AND REASON FOR PUBLICATION

To inform all H80 aircraft owners/operators of the option to relocate the mounting bracket for the throttle quadrant control cables and the location where the control cables attach to the throttle quadrant. The incorporation of the above changes has been reported to produce better engine response in relationship to throttle quadrant lever movement.

2. SCOPE/COMPLIANCE

It is recommended that this Service Letter be accomplished to ensure proper engine response.

3. BY WHOM WORK WILL BE ACCOMPLISHED

This work to be accomplished by a FAA Certified A & P mechanic or equivalent.

4. APPROVAL

4-1 THRUSH AIRCRAFT, INC. APPROVAL

This Service Letter is approved by the Vice President of Engineering at Thrush Aircraft, Inc.

4-2 FAA APPROVAL

N/A

5. MAN HOURS

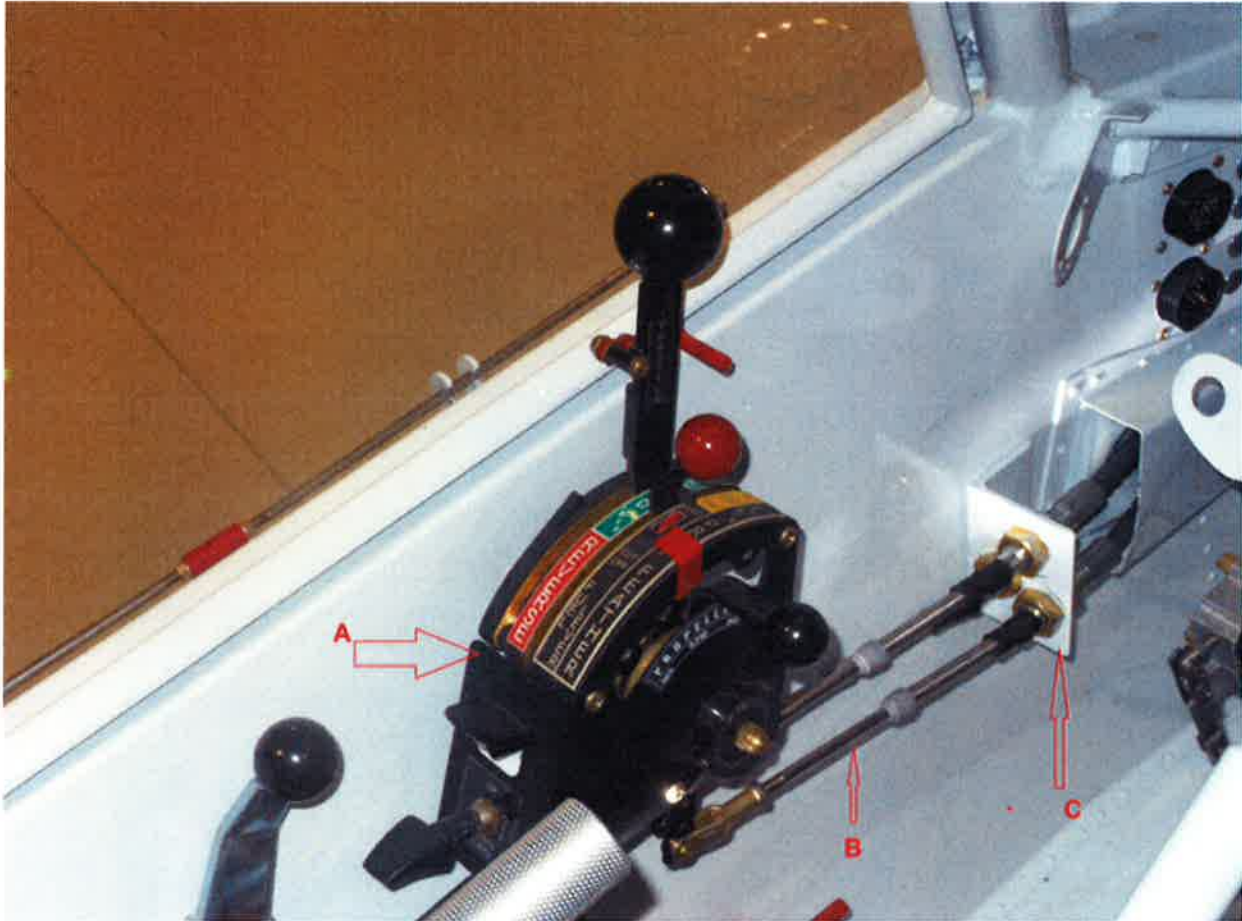
N/A

6. NEW PARTS AND MATERIAL

N/A

7. MODIFICATION INSTRUCTIONS

7-1 REF THROTTLE QUADRANT/BRACKET



Familiarize yourself with the terminology to be used throughout this document.

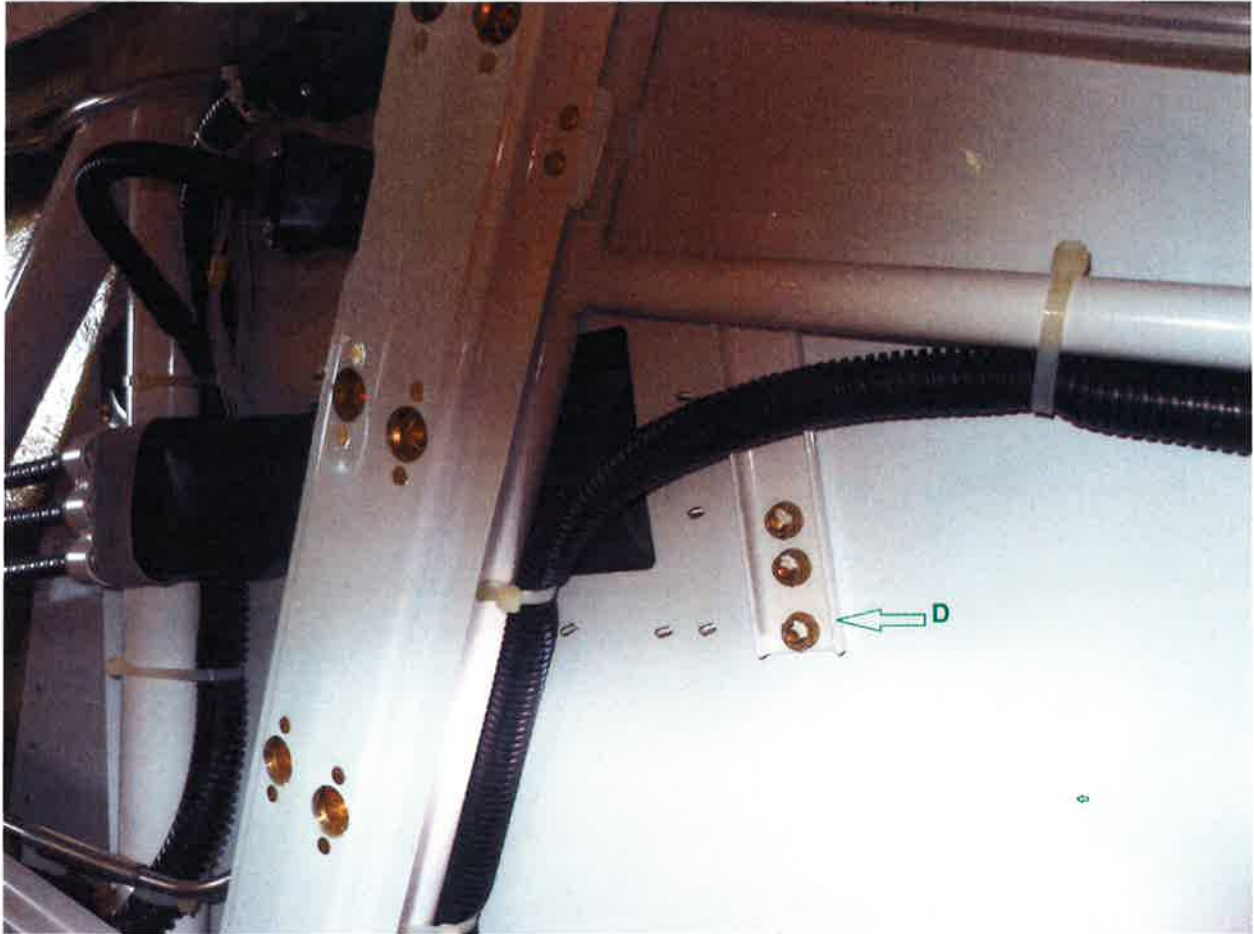
A Throttle Quadrant

B Control Cable

C Mounting Bracket

D Bracket Support Channel - Opposite side not shown here

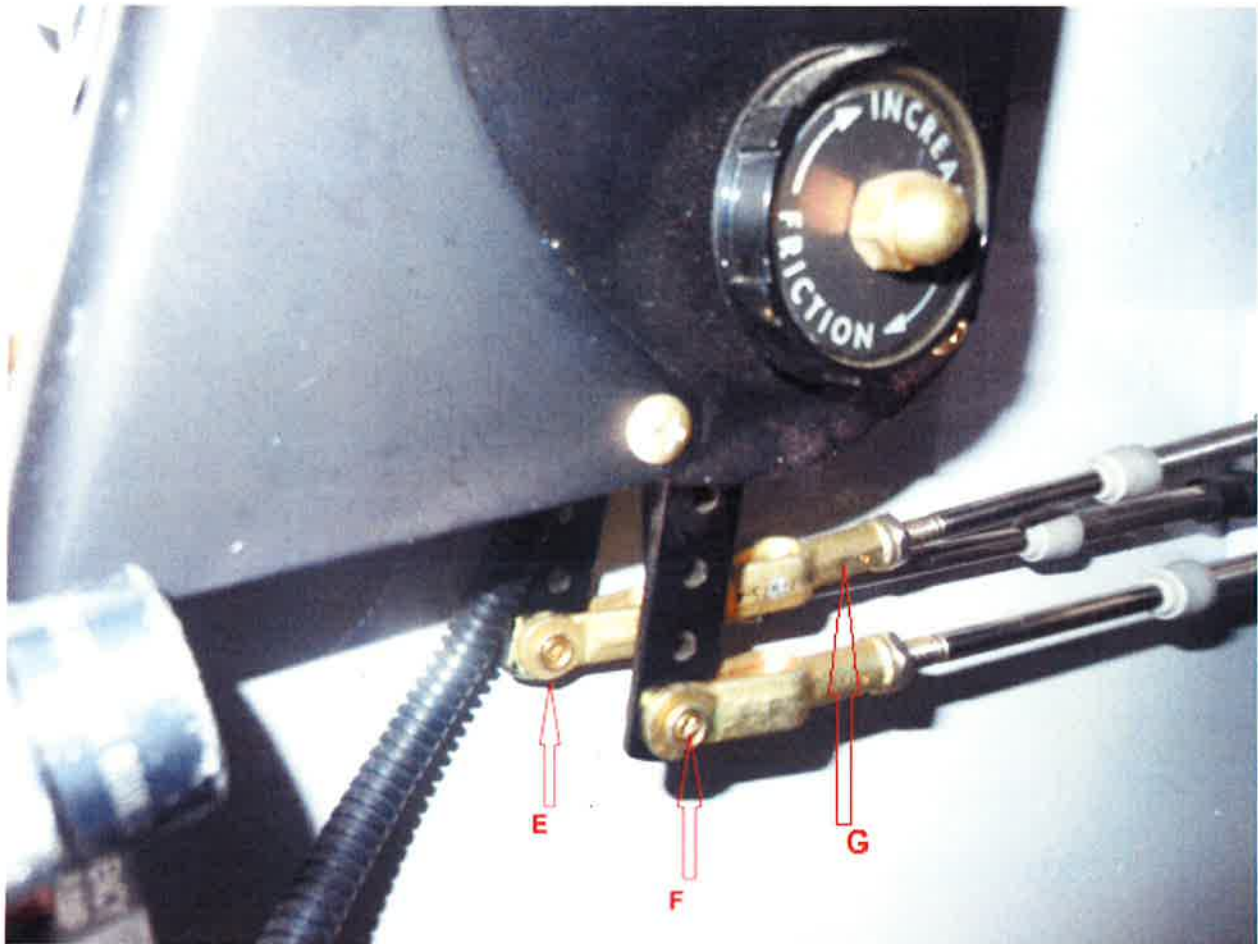
Figure 118-1



D Bracket Support Channel

Figure 118-2

7-2 EXISTING CONFIGURATION DISCONNECT CONTROL CABLES FROM QUADRANT



- E Disconnect this control cable from the Throttle Lever and label it as Throttle for reassembly.
- F Disconnect this control cable from the Prop Lever and label it as Prop.
- G The Fuel Control Lever attachment does not change.

Figure 118-3

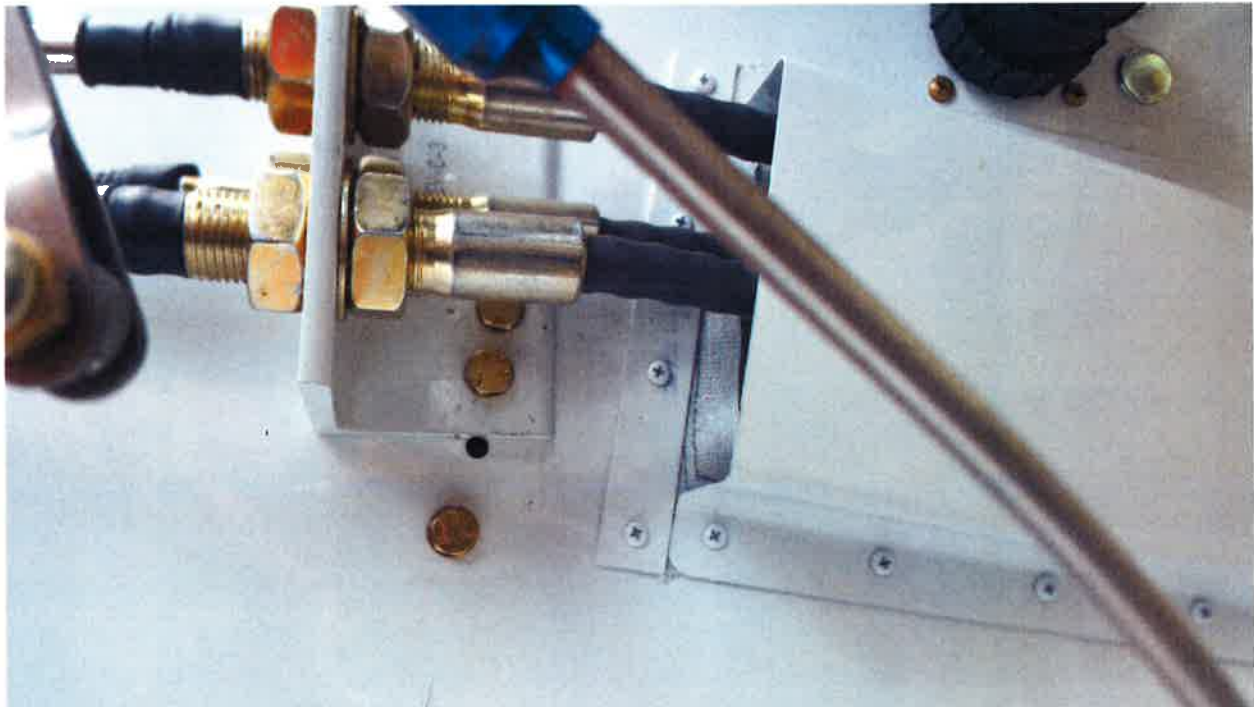
7-3 REF FIGURE 118-1 AND 118-2

- 7-3.1 DISCONNECT MOUNTING BRACKET C AND BRACKET SUPPORT CHANNEL D. RETAIN HARDWARE FOR LATER USE.

7-3.2 MODIFY BRACKET SUPPORT CHANNEL **D** BY DRILLING ONE HOLE CENTERED WITH EXISTING HOLES AND APPROXIMATELY 0.55 INCHES ABOVE THE TOP HOLE. Ø #10.

7-4 REASSEMBLE MOUNTING BRACKET **C** AND BRACKET SUPPORT CHANNEL **D**.

7-4.1 SEE FIGURE 118-4 FOR DESIRED CONFIGURATION.

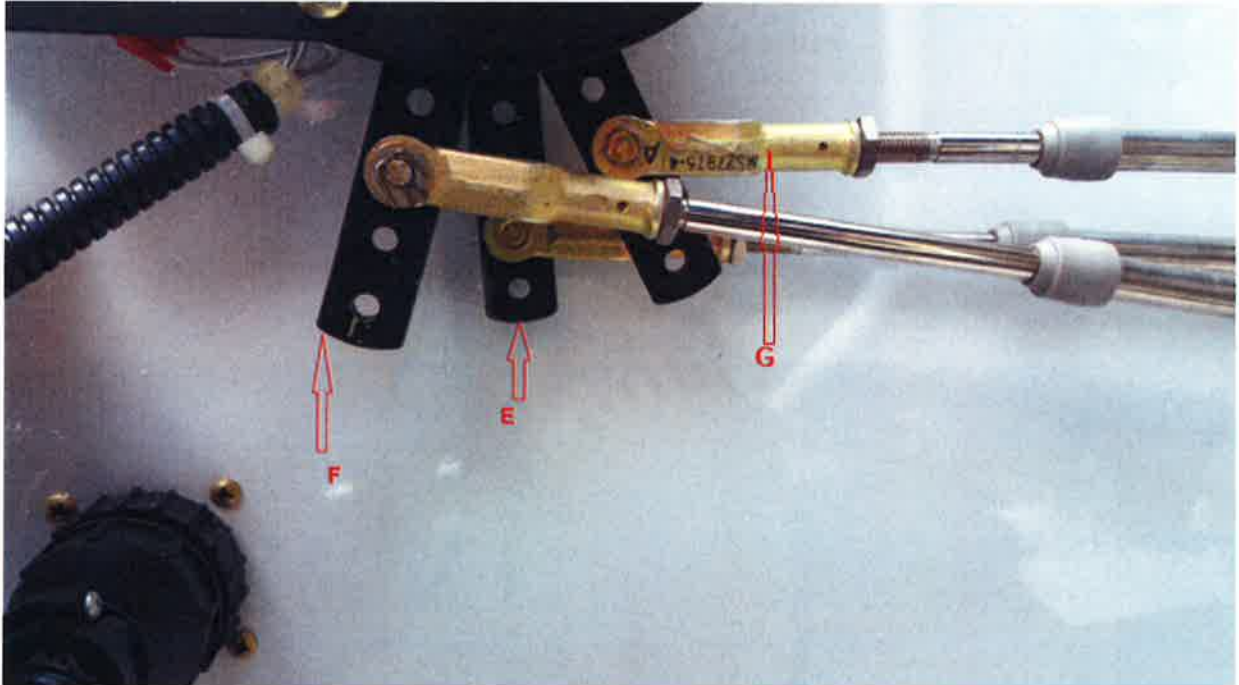


Desired configuration after step 7-3 of this document is completed. Notice empty hole and bottom bolt remains in the same place.

Figure 118-4

7-5 REASSEMBLE CONTROL CABLES.

7-5.1 ENSURE THAT CONTROL CABLES CONFORM TO THE CONFIGURATIONS SHOWN BELOW AFTER RECONNECTION TO QUADRANT.



- E Reconnect to the Throttle Lever
- F Reconnect to the Prop Lever
- G The Fuel Control Lever Connection Does not change.

8. RECORD OF COMPLIANCE

Make appropriate entry in airplane maintenance records as follows:

“Thrush Service Letter SL-AG-118 Rev. IR complied with at _____
total hours on aircraft.”

(Name & Certificate #)

(Signature)

(Date)

9. RESPONSE CARD

The final step in compliance with this Service Letter is to complete and return the compliance card on the next page. It may be mailed, faxed, or scanned and e-mailed.

FAX to: Ed Rusk 229-439-9790

E-mail to: Ed Rusk erusk@thrushaircraft.com

Service Bulletin SL-AG-118 Rev. IR Compliance Report

Aircraft S/N:	_____	Aircraft Owner:	_____
Aircraft Registration #	_____	Address of Owner:	_____
Airframe total time:	_____	City & State:	_____
Engine total time:	_____	Physical location:	_____
Date of Compliance	_____		_____
Complied with by:	_____	Certificate #:	_____
Signature:	_____		

PLEASE RETURN THIS REPORT ONLY AFTER REPAIR/MODIFICATION IS COMPLETE.

This response card may be mailed, faxed to (229) 439-9790, or e-mailed to erusk@thrushaircraft.com.

Fold, Tape & Mail (Do Not Staple) **Don't forget postage**

Return Address

THRUSH AIRCRAFT INC.

Attn: Ed Rusk
300 Old Pretoria Road
Albany, GA 31721