

SUBJECT: OIL PRESSURE TRANSDUCER INSTALLATION
MODIFICATION

MODELS/
SERIAL NUMBERS
AFFECTED:

M20J 24-0084, 24-0378 thru 24-0906,
24-0908 thru 24-0925, 24-0927
thru 24-0942, 24-0946

TIME OF
COMPLIANCE:

Within next 25 hours of flight.

INTRODUCTION:

There has been a report of possible interference between the oil pressure transducer housing and the upper right hand engine mount. The interference may cause failure of the transducer installation and result in loss of engine oil pressure.

It is recommended that modification to the oil pressure transducer installation be accomplished according to the following instructions.

INSTRUCTIONS:

1. Remove top cowl.
2. Disconnect the wire from the oil pressure transducer, P/N 3060-18, and remove the transducer from the 45° fitting; retain for reinstallation.
3. Remove the 45° fitting that was attached to the transducer. Leave the 45° fitting installed in the engine case port.
4. Connect the AN 816-3 adapter to this 45° fitting.
5. Connect the flex hose, P/N S94B90145, to this adapter and the other end, 1/8 inch pipe thread, to the transducer; use Tite Seal on all pipe threads. Position hose and fitting to obtain a clearance of .20 in. between hose socket and vacuum pump housing.
6. Route the transducer and hose under the upper right hand engine mount tubes and secure to upper outboard tube with the two clamps and hardware; the smaller clamp around the engine mount tube and the larger clamp around the transducer body as shown in Figure 1.
7. Connect the ground wire, wire no. 21DH04C20, under the bolt head holding the clamps together and to the landing light ground location on firewall.
8. Secure hose to engine mount with TY-RAP, MS3367-1, ensuring clearance between adjacent components.

Instructions cont...

9. Reconnect the oil pressure gauge wire to the transducer connection post.
10. Run engine and check for leaks.
NOTE: Secure bottom cowling or remove prior to engine run.
11. Replace cowling and secure all connections.
12. Enter compliance note in aircraft log book prior to returning aircraft to service.

REFERENCE

DATA:

None.

PARTS LIST:

Kit SB M20-221-1

| | <u>Quantity</u> | <u>Part Number</u> | <u>Description</u> |
|----|-----------------|--------------------|--------------------|
| 1. | 1 | AN816-3 | Adapter |
| 2. | 1 | S94B90145 | Hose, Flex |
| 3. | 1 | MS21919DG8 | Clamp |
| 4. | 1 | AN742D25 | Clamp |
| 5. | 1 | 21DH04C20 | Wire, Ground |
| 6. | 1 | AN3-5A | Bolt |
| 7. | 2 | AN960-10 | Washer |
| 8. | 1 | AN363-1032 | Nut |
| 9. | 1 | MS3367-1 | TY-RAP (TY-5) |

FIGURES/
TABLES:

