



SCHWEIZER SERVICE NOTICE

NOTICE NO. N-2.1

DATE August 2, 1966

PAGE 1 OF 5

(Supersedes Service Information
Notice N-2 dtd. May 1, 1966)

MANDATORY

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FAA Approved

SUBJECT: MODIFICATION - FUEL INJECTION LINES,
CYLINDERS NO. 1 AND 3

MODELS AFFECTED: 269B Helicopter Serial No's. 0001 through 0168,
170 through 0196, 0199 through 0201. 0205
through 0212 and 0214; 269A-1 Helicopter Serial
No's. 0001 through 0041.

TIME OF COMPLIANCE: Mandatory within next 25 hours unless already
accomplished.

PURPOSE: To prevent cracking of the line near the brazed joint
and subsequent fuel leakage. Engine vibration in-
duced fuel injection line leakage can cause rough
engine operation, engine stoppage, and fire hazard;
re-routing the number 1 and 3 line between the No. 3
cylinder and the rosette fitting, as defined in this
notice, eliminates this condition.
Service Information Notices 2A-1-16 and 2B-16 dated
May 27, 1965 define an optional modification to the
fuel injection system used on 269A-1 and 269B rotorcraft.
The modification consists of re-routing the fuel lines
and replacing the fuel flow divider with a rosette fitting.
Owners/operators who have accomplished this modifi-
cation must comply with the terms and conditions of
this notice. 269A-1 and 269B rotorcraft with the fuel
injection system in the unmodified configuration are
not bound by the terms and conditions of this notice.

NOTICE NO. N-2.1
DATE August 2, 1966
PAGE 2 OF 5

- a. Determine that fuel shut off valve is in off position and throttle is closed.
- b. Check all electrical switches for off condition; pay particular attention to mag. switch.
- c. Disconnect number 1 and 3 injection lines from rosette fitting.
- d. Remove rubber cushion, clamps and attaching hardware securing lines to engine sump.
- e. Bend lines using hand force to conform to routing shown, figure 1 and 2.

CAUTION

Cracks can occur if excessive bending and or sharp radii are induced during routing.

- f. Replace rubber cushions.
- g. Install adel clamp and stand-off brackets on lines.
- h. Relocate sump attachment bracket to position shown, figure 1 and 2.
- i. Secure stand-off brackets, rubber cushion adel clamp on oil pan and intake manifold flange R/H side as shown.
- j. Connect number 1 and 3 injection lines to rosette fitting.
- k. Adjust lines in clamps for optimum routing; tighten attaching hardware.
- l. Inspect installation for security, lines for excessively sharp bends; clamp chafing pads for proper location.
- m. Pressurize injection system:
 1. Master (batt) switch on.
 2. Fuel shut-off valve on.
 3. Fuel boost pump on.
 4. Mixture control, full rich.
 5. Throttle open.
- n. Visually inspect injection lines for evidence of leakage.

NOTE

Fuel contains green dye, presence of color on exterior of fuel lines, rosette fitting, etc. indicates leakage.

- o. Inspect all lines for vibration during ground run up of engine.

Weight Change

Balance Data

Negligible

Not required

PARTS LIST

<u>Nomenclature</u>	<u>Part No.</u>	<u>Quantity</u>
Screw	AN520-10R10	1
Washer	AN960PD10	1
Bracket	M10004-3	1
Nut	MS21042-3	1
Clamp	MS21919DG4	2

Above parts may be procured by ordering Fuel Injection Line Modification Kit No. M10,0004.

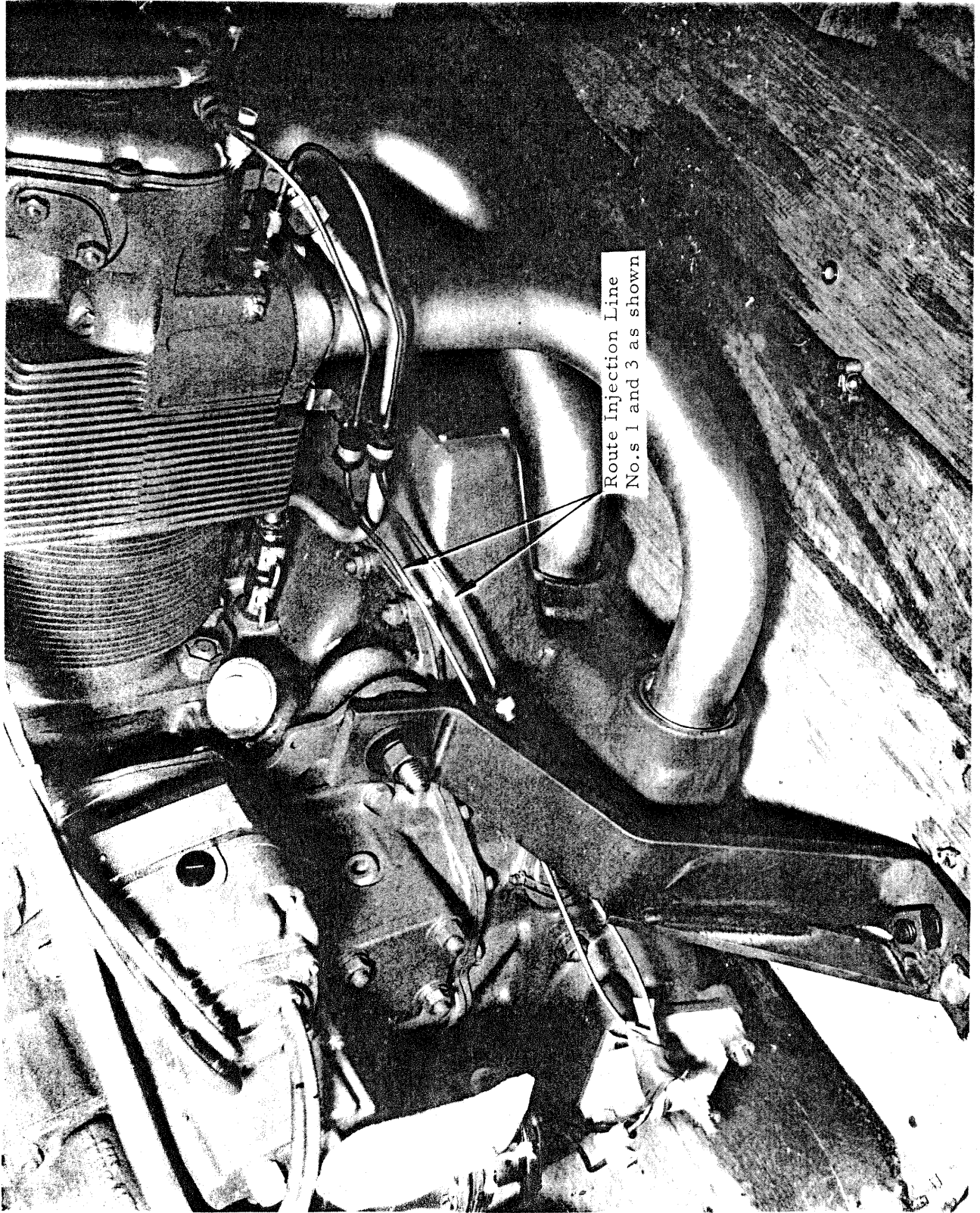


Figure 1. Fuel Injection Line and 3 Installation, View A

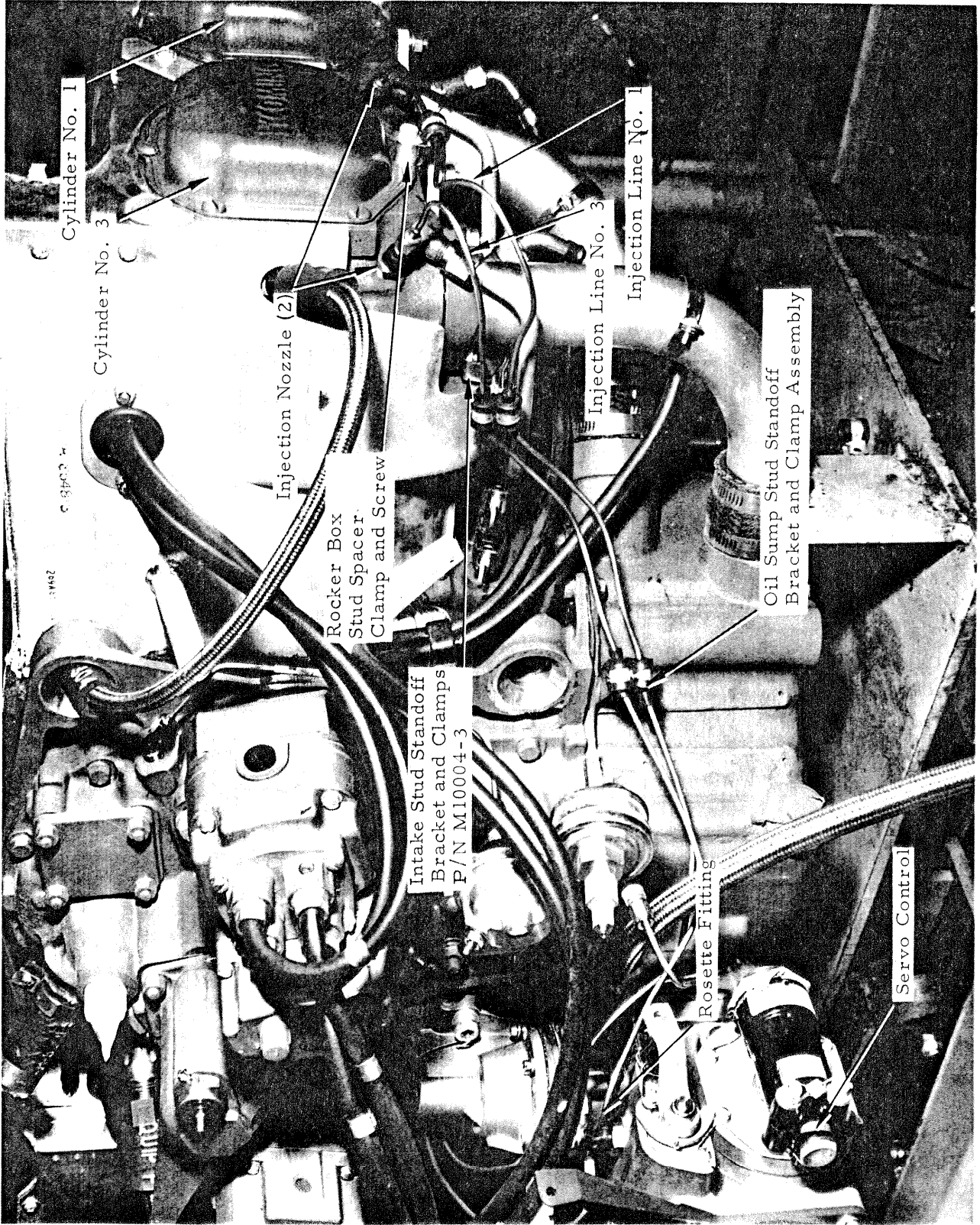


Figure 2. Fuel Injection Lines 1 and 3 Installation, View B