



SCHWEIZER SERVICE NOTICE

NOTICE NO. N-218

DATE: 22 JAN 1988

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MANDATORY

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SUBJECT: REPLACEMENT OF AUXILIARY FUEL QUANTITY PLACARD; INSTALLATION OF 269A4106-3 INSTRUMENT CLUSTER AS REPLACEMENT FOR 269A4106 INSTRUMENT CLUSTER.

MODELS AFFECTED: PART I:

- Model 269A Helicopters with Serial Number of 0714 and subs equipped with an auxiliary fuel tank.
- Model 269B Helicopters with Serial Number of 0297, 0303, and 0308 and subs equipped with an auxiliary fuel tank.
- All Model 269C Helicopters with Serial Numbers prior to 1283 equipped with an auxiliary fuel tank.
- All Model 269C Helicopters with Serial Numbers of 1285 through 1289 equipped with an auxiliary fuel tank.

PART II:

- Model 269A Helicopters affected by Part I of this notice having a 269A4106 instrument cluster installed.
- Model 269C Helicopters SN 0004 through 0119 with M10068-1 electrical conversion kit, 269A4106 instrument cluster, and an auxiliary fuel tank installed.
- Model 269C helicopters SN 0120 through 0949 with 269A4106 instrument cluster and an auxiliary fuel tank installed.
- Model 269C Helicopters with Serial Numbers of 0950 through 1283 equipped with an auxiliary fuel tank.
- Model 269C Helicopters with Serial Numbers of 1285 through 1289 equipped with an auxiliary fuel tank.

TIME OF COMPLIANCE: PART I - Shall be accomplished within six months of issue date of this notice (unless Part II of this notice is accomplished).

PART II - May be accomplished as an alternate to Part I or at Owners and Operators discretion.

REFERENCE: 269 Series - Basic HMI, Reissued 15 March 1982.
Service Information Notice N-178.1, Dated 19 April 1982.
Model 269A, 269B, and 269C Pilot's Flight Manuals (issue dates listed on 269 Series Publications Index).

PREFACE: Evaluation of the 269A8385-9 fuel quantity placard (applicable to helicopters having a 30 gal. standard tank and an auxiliary tank) has revealed that some of the data provided by the placard is erroneous. Part I of this Service Information Notice lists a procedure for replacement of the placard with a new 269A8385-11 placard. Part II of this notice lists instructions for installation of 269A4106-3 instrument cluster, incorporating the proper fuel quantity markings, as replacement for 269A4106 instrument

cluster. It should be noted that Part II of this notice may be accomplished (on helicopters equipped with a 24 Volt electrical system) as an alternate to Part I.

PART I - INSTALLATION OF 269A8385-11 PLACARD (Refer to Figure 1.)

PARTS LIST

<u>NOMENCLATURE</u>	<u>SAC PART NUMBER</u>	<u>QTY</u>	<u>SOURCE</u>
Placard, Fuel quantity	269A8385-11	1	SAC

PROCEDURE

- a. Remove existing 269A8385-9 fuel quantity placard (shown in Figure 1) from instrument panel.
- b. Thoroughly clean area on instrument panel from which placard was removed.
- c. Peel protective backing of 269A8385-11 placard (shown in Figure 1) and install on instrument panel.
- d. Record Compliance with this Service Information Notice in Compliance Record of Helicopter Log Book.

PART II - INSTALLATION OF 269A4106-3 INSTRUMENT CLUSTER.

TOOLS AND EQUIPMENT

drill, portable
drill bit, No. 15

MATERIALS

<u>NOMENCLATURE</u>	<u>SPECIFICATION</u>	<u>SOURCE</u>
Primer, Zinc Chromate	TT-P-1757	Commercial

PARTS LIST

<u>NOMENCLATURE</u>	<u>SAC PART NO.</u>	<u>QTY</u>	<u>SOURCE</u>
Instrument Cluster	269A4106-3	1	SAC

PROCEDURE

NOTE

Installation of the 269A4106-3 instrument cluster is only applicable to helicopters having an auxiliary fuel tank, 24 Volt electrical system, and Rochester instrument clusters (PN 269A4106). Model 269C Helicopters which do not incorporate a 24 volt electrical system and/or Rochester instrument clusters, may be field retrofitted to this current configuration by following instructions in Service Notice N-111.3 (Conversion from 12 VdC to 24 VdC electrical system) and/or Service Notice N-178.1 (Conversion from AC to Rochester instrument clusters), as applicable.

- a. Remove existing 269A8385-9 fuel quantity placard (shown in Figure 1) from instrument panel.
- b. Remove instrument console side covers (Figure 2) as follows:
 - (1) Loosen eight screws along front edge of panel.
 - (2) Remove two screws (one each side) securing lower forward corner of panels (near canopy).
 - (3) Disconnect velcro at rear of panel.
 - (4) Remove Instrument console side covers.
- c. Locate 269A4106 instrument cluster shown in Figure 2.
- d. Use masking tape to identify wires attached to back of instrument cluster.
- e. Remove nuts securing wires to cluster and remove wires.
- f. Remove two screws and two boltlite assemblies securing cluster to instrument panel.
- g. Remove instrument cluster.
- h. Install wires (identified in Step c) to terminals on back of 269A4106-3 instrument cluster.
- i. Place cluster in proper position behind instrument panel. Secure with two screws.

NOTE

Boltlite assembly mounting holes will be obstructed by instrument cluster assembly flange. Drill through mounting holes and flange with No. 15 drill and remove burrs. Apply zinc chromate after drilling modification.

- j. Reinstall boltlite assemblies.
- k. Check wiring for proper connections.
- l. Turn on electrical power and check all instruments for proper operation.
- m. Reinstall instrument panel side covers.
- n. Record Compliance with Part II of this Service Information Notice in Compliance Record of Helicopter Log Book.

AUX. FUEL QUANTITY							
GAGE	0	5	10	15	20	25	30
TOTAL	0	9	19	31	41	48	49

269A8385-9 FUEL QUANTITY PLACARD 

FUEL QUANTITY							(MAIN & AUX. TANKS)
GAGE	0	5	10	15	20	25	30
TOTAL	0	10	18	27	34	42	49

269A8385-11 FUEL QUANTITY PLACARD 


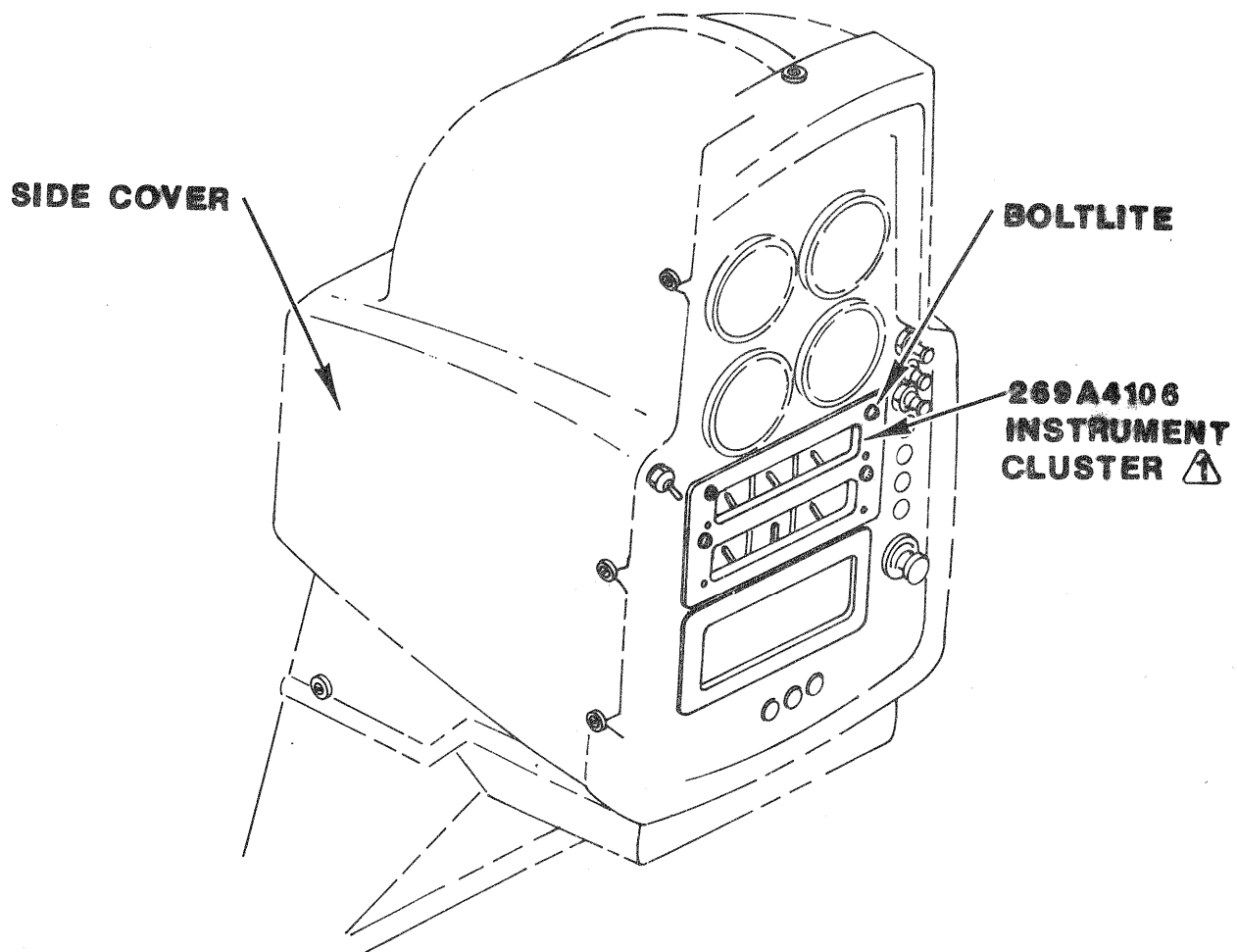
 REMOVE EXISTING 269A8385-9 FUEL QUANTITY PLACARD
AND REPLACE WITH 269A8385-11 PLACARD.

FIGURE 1. REPLACEMENT OF PLACARD



NOTE  - REPLACE 269A4106 INSTRUMENT CLUSTER WITH 269A4106-3 INSTRUMENT CLUSTER (OR PERFORM PART I).

FIGURE 2. INSTRUMENT PANEL