



SCHWEIZER SERVICE NOTICE

NOTICE NO. N-194
DATE 1/9/85
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MANDATORY

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SUBJECT: ONE-TIME INSPECTION AND REWORK OF 269A4262 INERTIA REEL SHOULDER HARNESS ASSEMBLIES AND INSTALLATION.

MODELS AFFECTED: All 269A, TH-55A, 269A-1, 269B and 269C Series helicopters equipped with 269A4262 inertia reel shoulder harness assemblies and all harness assemblies in spares inventory at date of this notice.

TIME OF COMPLIANCE: Shall be accomplished within next 50 hours of helicopter operation.
Shall be accomplished prior to installation of affected spares shoulder harness assemblies.

PREFACE: Reports indicate that the inertia reel harness assemblies may exhibit one or more of the following problems.

1. inertia reel improperly installed
2. harness assembly reel strap folded over on inertia reel

Information given in this service information notice lists the procedure for inspection, repair or replacement of the inertia reel shoulder harness assembly. This information will be added at the next revision of the HMI Appendix A and next revision of 269A4258 Installation Instruction.

Reference

269A4258 Installation Instructions, Issue 20 May 1972
269 Series - HMI Appendix A, re-issued April 1, 1980

INSPECTION PROCEDURES:

The inertia reel assembly should be inspected to insure that it is installed in accordance with figure 1 or figure 2. The following items should be closely observed.

1. The reel may be installed with the harness strap coming off the top or bottom of the reel, whichever will allow correct positioning of the harness on the wearer.
2. With the harness strap coming off the top of the inertia reel the slotted opening in the metal reel housing is to be positioned facing forward with the top of the opening at an angle of $15^{\circ} \pm 5^{\circ}$ relative to the 269A2103 panel. See figure 1.

With the harness strap coming off the bottom of the inertia reel, the slotted opening in the metal reel housing is to be positioned facing forward with the bottom at the opening at an angle of $15^{\circ} \pm 5^{\circ}$ relative to the 269A2103 panel. See figure 2.

3. The belts should be pulled out to the full extent of travel and ensure that the harness strap is not folded over itself (twisted) and that it rewinds flat on the inertia reel.
4. The harness strap should be closely inspected for wear or fraying.
5. With the inertia reel properly installed, the harness should be positioned so that the tensioning buckles on the shoulder straps lay flat against the pilot's chest with no twist in the individual belts or harness strap.

REPAIR PROCEDURE: (Refer to figure 1 or 2)

1. If harness assembly cannot be properly positioned on user, i.e. tensioning buckles press against users chest, reverse inertia reel installation so strap comes off the top or bottom, (whichever is opposite the installed reel).
2. To position the slotted opening correctly, remove mounting feet from reel assembly and reindex to proper position.

NOTE: The mounting feet simply pull off from the end of the inertia reel assembly and can be indexed at 60° increments.

3. To fix belts which are folded over or twisted within the inertia reel; pull out to extent of travel which allows twist to be removed and inspect for fraying, wear or cuts in this area. Work harness in and out of housing to assure smooth travel.
4. All worn or frayed harness must be replaced with new units per AC 43.13-1A.

CAUTION: ABSOLUTELY NO ATTEMPT SHOULD BE MADE TO REMOVE THE INERTIA REEL STRAP FROM THE INERTIA REEL OR TO DISASSEMBLE THE INERTIA REEL ITSELF.

WEIGHT AND BALANCE DATA: Weight and balance not affected.

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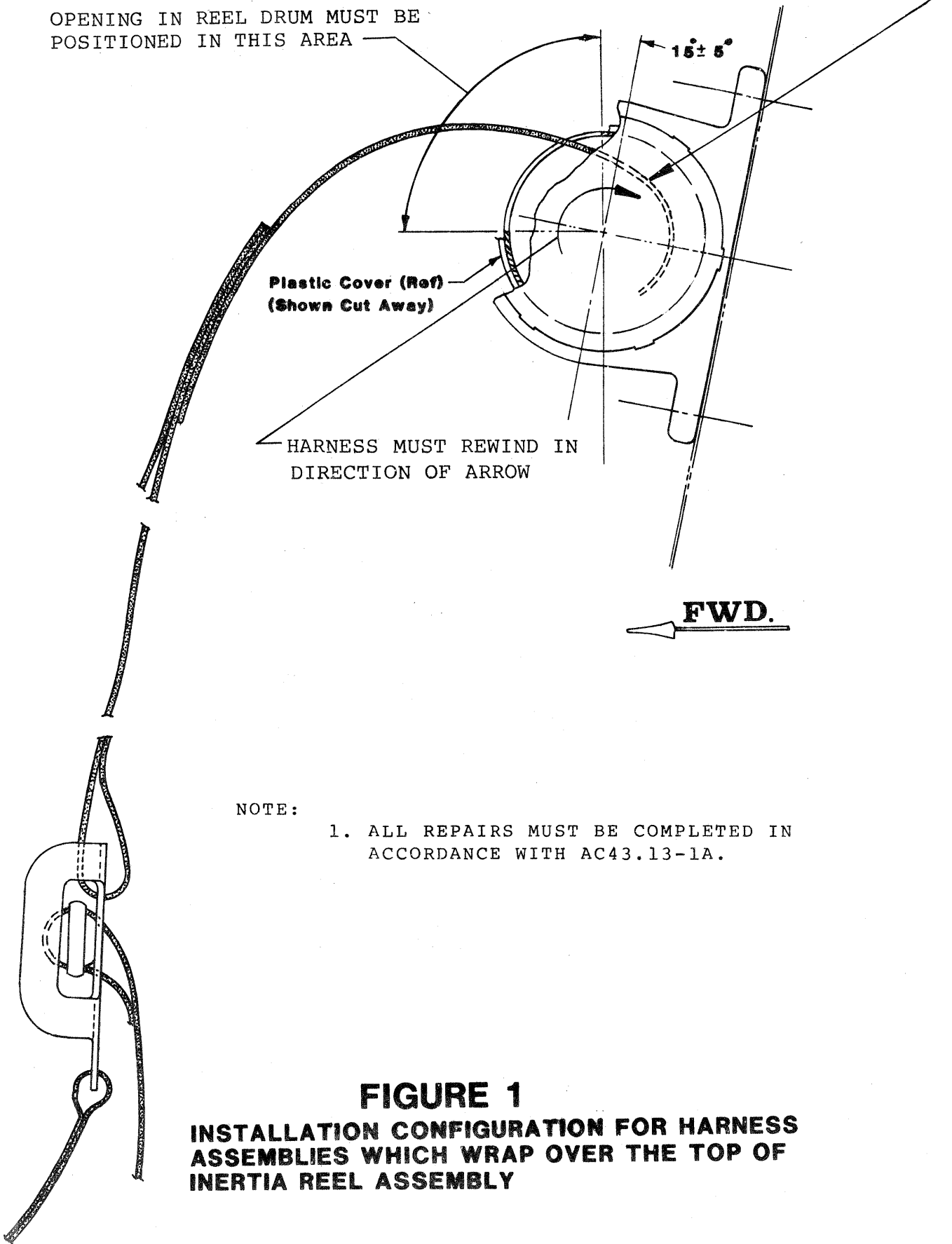
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The resultant alteration to the affected helicopters described by the inspection and rework procedures of this notice has been shown to comply with the applicable Federal Aviation Regulations and is FAA Approved.

OPENING IN REEL DRUM MUST BE
POSITIONED IN THIS AREA

HARNESS MUST REWIND
OVER TOP OF DRUM



Plastic Cover (Ref)
(Shown Cut Away)

HARNESS MUST REWIND IN
DIRECTION OF ARROW

FWD.

NOTE:
1. ALL REPAIRS MUST BE COMPLETED IN
ACCORDANCE WITH AC43.13-1A.

FIGURE 1
INSTALLATION CONFIGURATION FOR HARNESS
ASSEMBLIES WHICH WRAP OVER THE TOP OF
INERTIA REEL ASSEMBLY

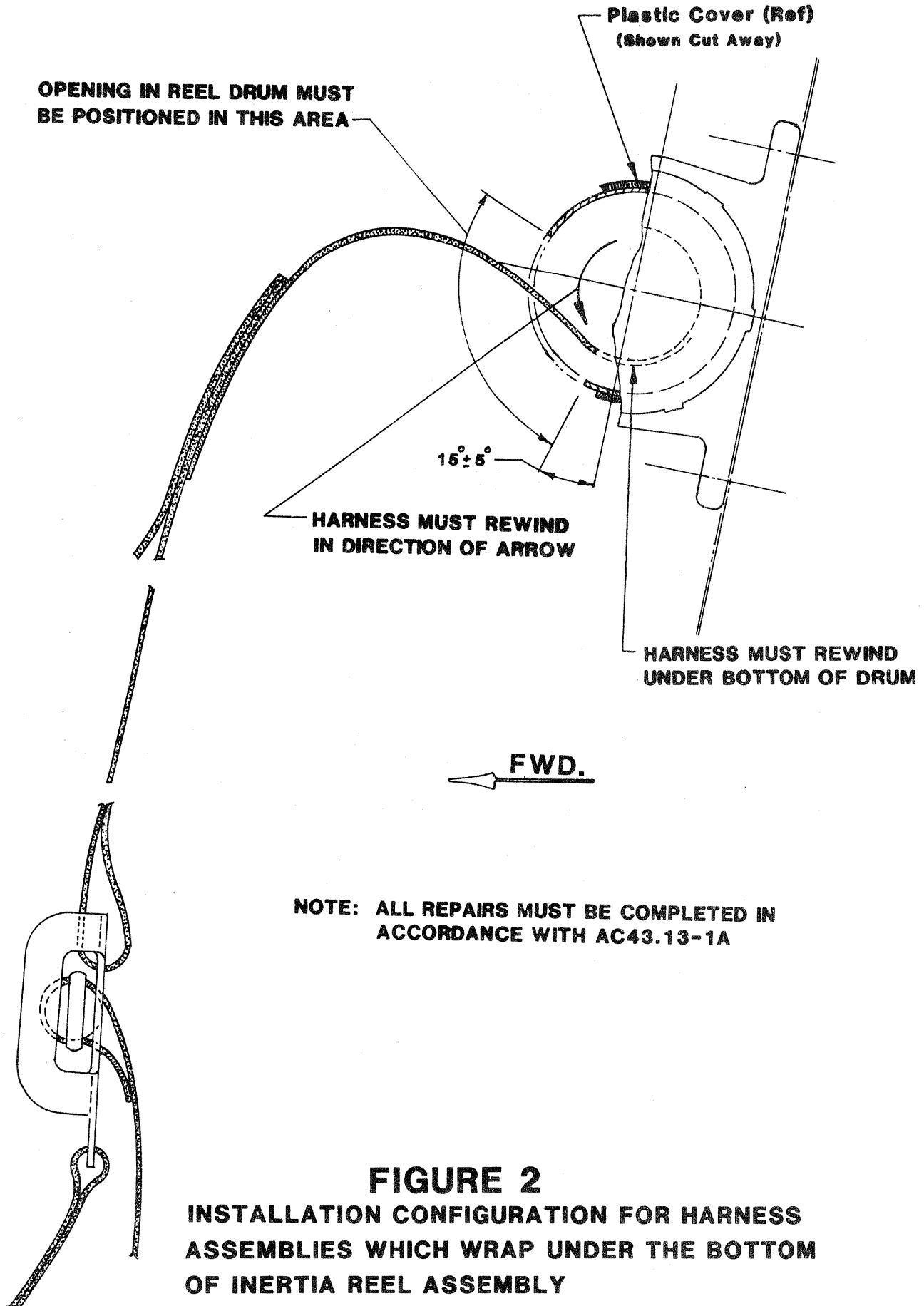


FIGURE 2
INSTALLATION CONFIGURATION FOR HARNESS ASSEMBLIES WHICH WRAP UNDER THE BOTTOM OF INERTIA REEL ASSEMBLY

