



SCHWEIZER SERVICE INFORMATION LETTER

LETTER NO. L-86.2*
DATE 5 November 1979
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*Supersedes Service Information
Letter No. L-86.1 dated 7 Nov 75

TO—All owners and operators of Hughes Helicopters

SUBJECT: MAIN TRANSMISSION - RING, PINION GEAR COMPATIBILITY

MODELS AFFECTED: All 269 Series Helicopters

Reference

269 Series - HMI Appendix C, Issued 15 March 1976
269 Series - Illustrated Parts Catalog, Issued 1 March 1974;
Revision No. 3, 15 Nov 1976

Reports from the field have shown instances of ring and pinion gear incompatibility, resulting in improper tooth contact pattern and rapid wear of parts.

The following table defines current combinations of ring and pinion gears, how to identify them and which transmission configuration they are usable in.

When ordering replacement parts be sure to consult the table to prevent ring and pinion gear incompatibility. When ordering a transmission overhaul kit, be sure to keep in mind that the pinion gear is no longer a part of the kit.

The information in this Service Information Letter should be used until it is incorporated into the Handbook of Maintenance Instructions and Illustrated Parts Catalog.

(I) Denotes portion of text added or revised.

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Table 1. Ring and Pinion Gear Compatibility

A. Ring Gear PN 269A5104 may be identified by:

1. Manufacturers initials; "IGW", "WGC", or "AGC" after the Serial Number.
2. Serial Numbers 505000 through 505013, 505015 through 505028, 505030 through 505035, 505045, 505047 through 505055.

Ring Gear PN 269A5104-5 may be identified by:

1. Manufacturer's initials "WGC" after alpha-numerical Serial Number X0433 and subsequent.
2. Any ring gear not identified by any of the above.

B. Pinion Gear PN 269A5103 may be identified by:

1. Manufacturer's initials "IGW" or "AGW".
2. Manufacturer's initials "WGC" after all-numeric Serial Number.
3. No manufacturer's initials and Serial Number XX5650 through XX5999

Pinion Gear PN 269A5103-9 may be identified by:

1. Manufacturer's initials "WGC" after alpha-numerical Serial Number A0001 and subsequent.
2. Any pinion gear not identified by any of the above.

C. Ring and Pinion Gear combination as noted may be installed in main transmissions identified by PN 269A5175, 269A5175-3, 269A5175-5, and 269A5175-7.

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Table 1. Ring and Pinion Gear Compatibility (Continued)

CAUTION

Do not intermix dash numbered
ring gears with basic pinion gears;
do not intermix basic ring gears
with dash number pinion gears.

- | | |
|-----------------------------|-------------|
| D. Ring Gear | Pinion Gear |
| 269A5104 usable only with | 269A5103 |
| 269A5104-5 usable only with | 269A5103-9 |
- E. 269A5104 and 269A5103 in sets only, are two way interchangeable with
269A5104-5 and 269A5103-9 in sets only.



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