

Consumer Products

Service Information

Date: 12 November 1981

Factory: John Deere Horicon Works



SECONDARY SHAFT RUN-OUT (WOBBLE)
1980 & 1981 Liquifire Snowmobiles
(S.N. 120,001 - 190,000)

Complaint

Secondary bearing (M69015) failure, drive belt failure and/or vibration.

Problem:

Excessive secondary shaft run-out.

Solution:

Measure shaft run-out at secondary clutch end. Remove secondary clutch, and using a dial indicator, measure run-out near the end of the shaft. Remove chain and rotate shaft, checking run-out from one side of keyway around to opposite side of keyway. Maximum run-out allowable is .010"-.012" (.25-.30 mm).

Additional Information:

1982 Liquifire secondary shafts (M69234) have been strengthened from 1980 & 1981 shafts (M67931). The shoulder on the M69234 shaft has been extended .200" (5.0 mm) to reduce the number of clutch alignment washers needed. The M69234 shaft can be used to replace failed M67931 shafts if the original number of secondary clutch alignment shims exceeds .200" (5.0 mm) in total thickness. If the original number of alignment shims do not exceed .200" (5.0 mm) on 1980 & 1981 Liquifires, replace the failed shaft with a new M67931 shaft.

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Applies to:
