

National Association of Lift Makers

Leicester House 8 Leicester Street London WC2H 7BN
Director D M Fazakerley

NALM

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To: All Members
cc: The Technical Committee (1390)

28th June 1991

Dear Sir

David Brown Radicon Ltd - Gear Unit

I have received the enclosed Service Bulletin from the above company with a request this be circulated to members for information. It is possible some companies will have received a copy direct.

Please be guided accordingly.

Yours faithfully,



D M Fazakerley
Director

DAVID BROWN RADICON LIMITED

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PARK GEAR WORKS, HUDDERSFIELD, ENGLAND HD4 5DD
 TELEPHONE: 0484 422180 TELEX: 51562 DB GEAR G FAX: 0484 514732

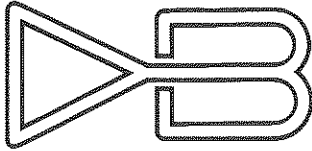
TO: <i>MR. D.M. FAZAKERLEY</i>	FROM: <i>R.C. SMITH</i>
COMPANY: <i>N.A.L.M.</i>	DATE: <i>7-6-91</i>
FAX NO: <i>071-257-8543</i>	NO PAGES: <i>1</i> FAX REF: <i>0222</i>
	INTERNAL COPIES: <i>MR. K. R. MICKLETHWAITE</i>

COPIES TO:-

RE SERVICE BULLETIN FOR HOMELIFT GEAR UNITS.
 THANK YOU FOR YOUR FAX OF 28-5-91
 WE WOULD APPRECIATE INCLUSION OF OR MENTION OF OUR
 SERVICE BULLETIN IN ANY NEWSLETTERS YOU ISSUE TO
 YOUR MEMBERS. COPIES OF OUR BULLETIN HAVE BEEN SENT
 TO ALL THE MEMBERS ON THE FAX LIST YOU SENT ME
 BUT NATURALLY WE ARE ANXIOUS THAT OUR INSTRUCTION
 IS NOT OVERLOOKED.

REGARDS

R.C. Smith



TELEPHONE 0484 422180 · TELEX 51562 DBGEAR G · FAX 0484 514732
PARK ROAD · LOCKWOOD · HUDDERSFIELD · ENGLAND HD4 5DD

DAVID BROWN RADICON LIMITED

SERVICE BULLETIN

STATEMENT

David Brown Radicon wish to draw the attention of the lift industry to a recent "home lift" gear unit service failure.

Analysis of the failed unit has revealed the cause of the failure to be gross overloading of the lift which resulted in excessive wear of the worm wheel. Whilst the results of the analysis show that component defect was not the cause of this failure, it is of course imperative that lifts are operated by the user in accordance with specified tolerances, in particular that they are not loaded beyond their maximum permitted weight limit, and that users are informed of the maximum permitted load.

David Brown Radicon is concerned that, with the benefit of the analysis which has been carried out, the lift service industry should act to protect the safety of users.

Accordingly, in order to identify any other units that may have experienced operating loading significantly in excess of the maximum allowed, David Brown Radicon would appreciate the support of the lift service industry in conducting the below-mentioned checks on all "home lift" type applications fitted with DB Radicon units. This should be done as part of the next scheduled service visit (or within 3 months, whichever is soonest) and should be checked at regular six-monthly intervals thereafter.

CHECKS REQUIRED

Measure backlash at the gear unit drive sprocket teeth (measured tangentially at the sprocket tooth tip) in four places equi-spaced about the sprocket circumference.

.	Acceptable	-	0 to 0.016 ins
.	Check with DB Radicon	-	0.017 ins. to 0.023 ins.
.	Stop use and advise DB Radicon	-	0.024 ins. and above

Contact: Mr R C Smith, DB Radicon, Huddersfield.

Tel. No: (0484) 422180 (Ext. 430)

Fax. No: (0484) 514732

Date: 22nd May 1991