



Leland

PLAINTIFF'S EXHIBIT

MAR-356

QUALITY PARTS

AXLES-BRAKES-WHEELS

USED ON

TRUCKS-TRACTORS-TRAILERS-BUSES

• BRAKE SHOE ROLLERS

• BRAKE SHOE ROLLER PINS

• BRAKE ANCHOR PINS

• ANCHOR PIN BUSHINGS

• ANCHOR PIN FELTS

• ANCHOR PIN RETAINERS

• ANCHOR PIN LOCK RINGS

• ANCHOR PIN LOCK SCREWS

• CAMSHAFT LOCK RINGS

• CAMSHAFT FELT RETAINERS

• CAMSHAFT WASHERS AND FELTS

• WHEEL BEARING OIL SEALS

• BRAKE BLOCK BOLTS — NUTS — WASHERS

• BRAKE SHOE RETURN SPRINGS

• NYLON SPIDER AND BRACKET BUSHINGS

• NYLON CAMSHAFT BRACKET BUSHINGS

• CAMSHAFT NEEDLE BEARINGS

• BRAKE SPIDERS

• BRAKE CAMSHAFTS

• WHEEL NUTS — INNER AND OUTER

• WHEEL NUT LOCK RINGS

GMC

DIAMOND T

INTERNATIONAL

STANDARD FORGE

FORD

SHULER

KINGHAM

EATON

THAKEN

FRUEHAUF

STATION



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IMPORTANT

PLEASE NOTE THE FOLLOWING CORRECTIONS AND ADDITIONS

Page 4 & 5 - Illustrations of camshafts - Reverse photographs but not dimensions; L-226 & L-227 with L-234 & L-235

Page 4 & 5 - L-226, L-227, L-228, L-229, L-230, L-231, L-232, L-233 Camshafts - In addition to being used on International, these are also used on some GMC, White, Ford, Diamond T and others

Page 5 - L-234 & L-235 Camshafts - For popular Timken R-100 Axles - Also used on some GMC, White, Ford, Diamond T and others

Page 7 - L-212, L-213 & L-214 used on later model Trailmobile Tandems

Page 9 - L-218 used on White 89-C Axle

Page 10 - L-204 used on White 33-C Axle

Page 11 - L-148 - Diamond T Number should be 16282-C
Eaton Number should be 35337

Page 12 - L-150 - Diamond T Number should be 16283-C
Eaton Number should be 35338

RS AND WASHERS

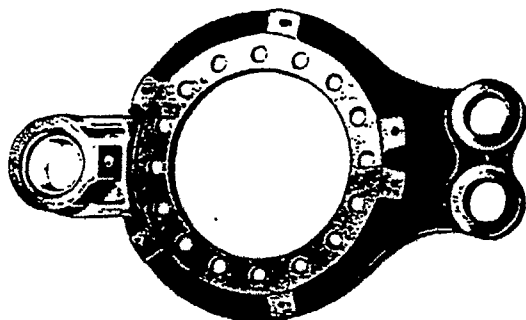
- 17 WHEEL SPINDLE - INNER AND OUTER NUTS
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- 18 and 19 WHEEL BEARING GREASE AND OIL SEALS
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- 21 WATER PUMP PARTS (GM "71" DIESEL)
- 22 UNIVERSAL JOINT REPAIR KITS
- 23 WATER PUMP REPAIR PARTS FOR GM "71" DIESEL
- 22 thru 27 A NEW AND COMPLETE INTERCHANGEABLE LISTING OF ALL ITEMS

ALL BRAKE ANCHOR PINS, ROLLERS AND ROLLER PINS ARE HARDENED
AND GROUND TO ASSURE LONGER LIFE AND SMOOTHER OPERATION.

ALL PARTS GUARANTEED



BRAKE SPIDERS AND MOUNTING BOLT AND NUT



LELAND NO. L 175

BRAKE SPIDER ASSEMBLY
(Nylon Bushing Installed)

Leland No. L 175

Replaces

Timken No. A 3211 A 833

Standard Forge No. UB 1088

Shuler No. B 1593-1

Trailmobile No. 7-A1-3

16 hole interchanges with 8 hole

Wt. - 10 lb. 12 oz.

SPECIAL



LELAND NO. L-219

BOLT and NUT
(For Brake Spider Mounting)

Leland No. L 219

Designed to be used
when replacing Spider.

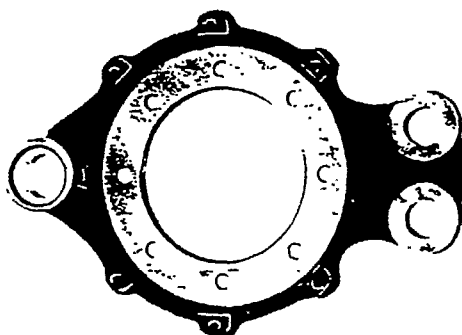
Reduces Labor Cost.

Made of Finest Alloy Steel -

Also Hardened.

Furnished with Nut

17/32" Dia. X 1-13/16" Lg.



LELAND NO. L-200

BRAKE SPIDER ASSEMBLY
(Nylon Bushing Installed)

Leland No. L-200

Replaces

Fruehauf No. 61778

Wt. - 16 lbs.

The **LELAND** *Corporation*

1509 SOUTH MICHIGAN AVE., CHICAGO 5, ILLINOIS

TELEPHONE: HARRISON 7-1370

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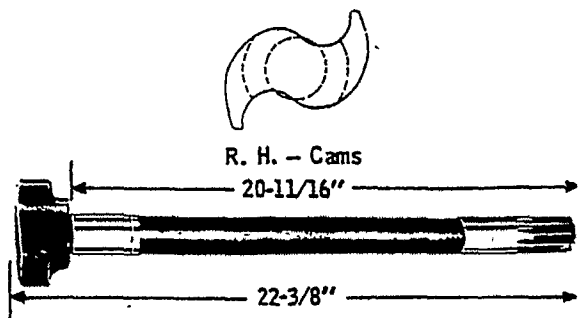
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BRAKE CAMSHAFTS

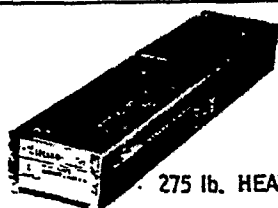
BRAKE CAMSHAFT – RIGHT HAND



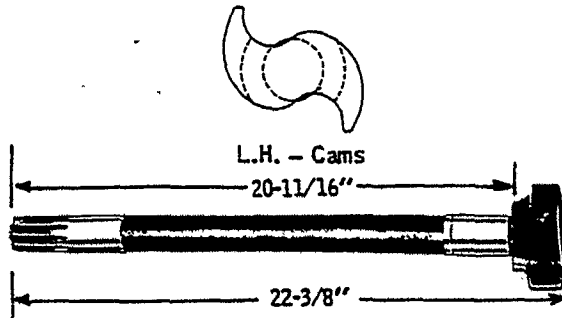
R. H. – Cams
20-11/16"
22-3/8"
Leland No. L 173
Replaces
Timken No. A 2210-M-2483
Fruehauf No. 219317
Standard Forge No. UB 5006 R
Shuler No. B 1283-6 – Trailmobile No. 7-5-64
(All Cams grooved at spline end
for Lock Ring; also drilled and
tapped for Retainer & Cap Screw)
OD – 1 1/2" – 10 Spline – Wt. – 12 1/2 lb.

NOTE:

RIGHT HAND cams for air operation when
levers point down and Right Hand for
mechanical operation when levers point
up. Reverse when levers are opposite.



BRAKE CAMSHAFT – LEFT HAND



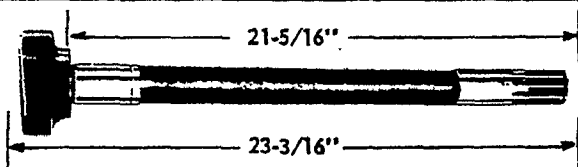
L.H. – Cams
20-11/16"
22-3/8"
Leland No. L 174
Replaces
Timken No. A 2210-N-2484
Fruehauf No. 219316
Standard Forge No. UB 5006 L
Shuler No. B 1283-5 – Trailmobile No. 7-5-63
OD – 1 1/2" – 10 Spline – Wt. – 12 1/2 lb.

NOTE:

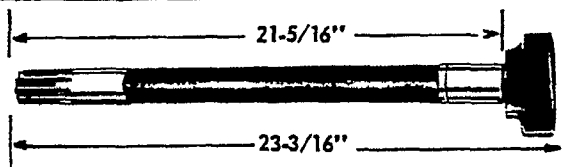
LEFT HAND cams for air operation when
levers point down and Left Hand for
mechanical operation when levers point
up. Reverse when levers are opposite.

INDIVIDUALLY PACKAGED

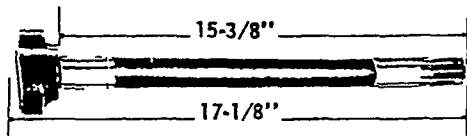
275 lb. HEAVY TEST WEIGHT CARTON



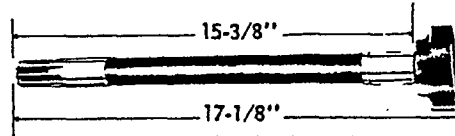
Leland No. L-224 R.H.
Replaces
Timken No. 2210U-2490
Fruehauf No. 305681
Wt. 12 lbs.



Leland No. L-225 L.H.
Replaces
Timken No. 2210T-2491
Fruehauf No. 305680
Wt. 12 lbs.



Leland No. L-226 R.H.
Replaces
International No. 85629R21
Eaton No. 35433
Wt. 9 lbs. 4 oz.



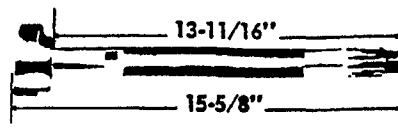
Leland No. L-227 L.H.
Replaces
International No. 85628R21
Eaton No. 35434
Wt. 9 lb. 4 oz.

INTERCHANGEABLE LIST OF ALL PARTS ON PAGES 22 THRU 27



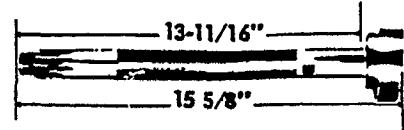
BRAKE CAMSHAFTS

BRAKE CAMSHAFT – RIGHT HAND



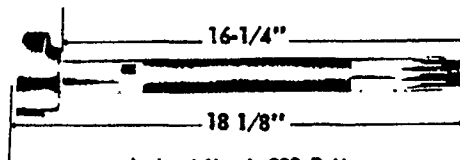
Leland No. L-228 R.H.
Replaces
International No. 109113R1
Eaton No. 35456
Wt. 8 lb. 10 oz.

BRAKE CAMSHAFT – LEFT HAND



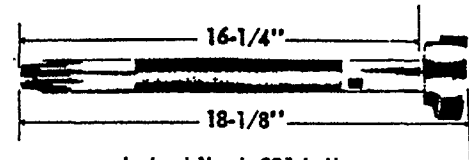
Leland No. L-229 L.H.
Replaces
International No. 109112R1
Eaton No. 35455
Wt. 8 lb. 10 oz.

BRAKE CAMSHAFT – RIGHT HAND



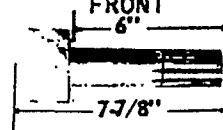
Leland No. L-230 R.H.
Replaces
International No. 75812HB
Eaton No. 35439
Wt. 9 lb. 14 oz.

BRAKE CAMSHAFT – LEFT HAND



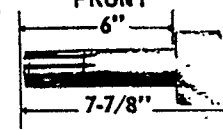
Leland No. L 231 L.H.
Replaces
International No. 76168HB
Eaton No. 35438
Wt. 9 lb. 14 oz.

BRAKE CAMSHAFT – RIGHT HAND FRONT



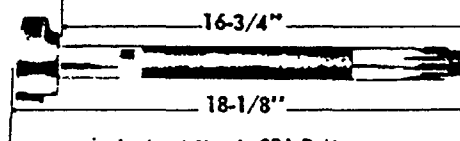
Leland No. L 232 R.H.
Replaces
Timken No. 2210P2798
International No. 106212R1
Wt. 4 lbs. 4 oz.

BRAKE CAMSHAFT – LEFT HAND FRONT



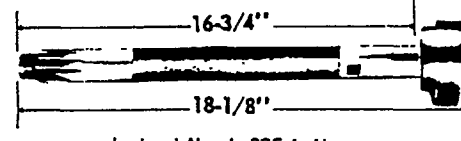
Leland No. L 233 L.H.
Replaces
Timken No. 2210 Q2799
International No. 106211R1
Wt. 4 lbs. 4 oz.

BRAKE CAMSHAFT – RIGHT HAND



Leland No. L 234 R.H.
Replaces
International No. 56110R-21
Timken No. 2210R-2488
Wt. 12-1/2 lbs.

BRAKE CAMSHAFT – RIGHT HAND



Leland No. L 235 L.H.
Replaces
International No. 56111R-21
Timken No. 2210S-2489
Wt. 12-1/2 lbs.

The **LELAND**
Corporation

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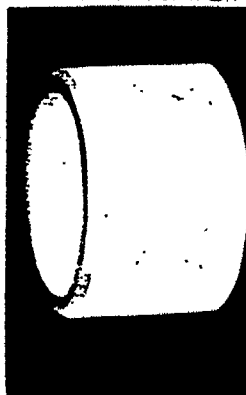


NYLON BUSHINGS for BRAKE CAMSHAFTS

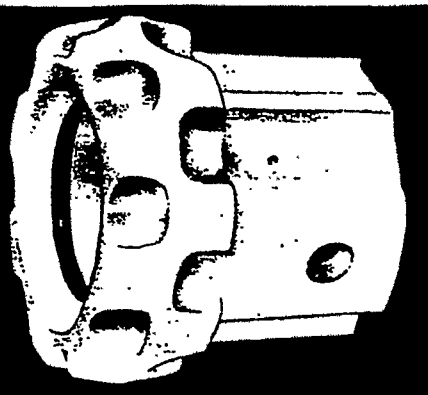
*L-246
3" nylon*

NYLON BUSHINGS ARE NOW BEING USED AS STANDARD EQUIPMENT ON MANY AXLES, IN PLACE OF NEEDLE BEARINGS AND BRONZE BUSHINGS FOR BRAKE SPIDER AND CAMSHAFT BRACKET BEARINGS

BRAKE SPIDER



CAMSHAFT BRACKET



Leland No. L 166

Replaces

Timken No. 1225 N 378

Fruehauf No. 515147

Trailmobile No. 7-6-17

Shuler No. B 1581

(also used on Standard Forge)

Twin Coach No. 4-108-65

Diamond T No. 56012J

(L 166 Brake Spider Bushing can be drilled very easily for lubrication purposes, if desired, after installation, to assure proper alignment with hole in spider)

Leland No. L 167

Replaces

Timken No. A 3299 G 1541

Fruehauf No. 515148 & 61608

Twin Coach No. 4-198-1

GM No. 2305192

Trailmobile No. 7-6-18

Diamond T No. 46037F

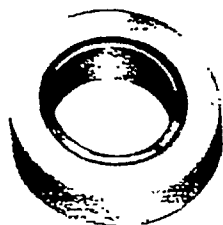
Replaces Casting and Needle

Bearing Assembly Timken No.

A 3299 Y 883

BEARINGS AND BUSHINGS FOR CAMSHAFT SUPPORT BRACKET

**BALL BEARING - CAMSHAFT
SUPPORT BRACKET**



Leland No. L 201

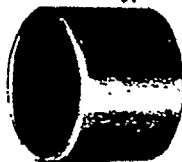
Replaces

Fruehauf No. 533368

Wt. 6 oz.

1-1/4" ID x 2-5/16" OD

**BUSHING - CAMSHAFT SUPPORT BRACKET
"RE" Type**



Leland No. L 190

(Oil Impregnated)

Replaces

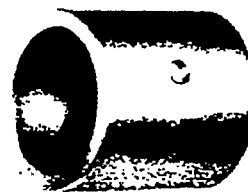
Shuler No. B-1146-3

Standard Forge No. UB 1066

Also fits Kingham, Pointer Willamette
and many Others

1-1/2" ID x 1-3/4" OD x 1-1/4" Lg.

**BRONZE BUSHING - CAMSHAFT
SUPPORT BRACKET**



Leland No. L 203

Replaces

Standard Forge No. UB 1126

Wt. 10 oz.

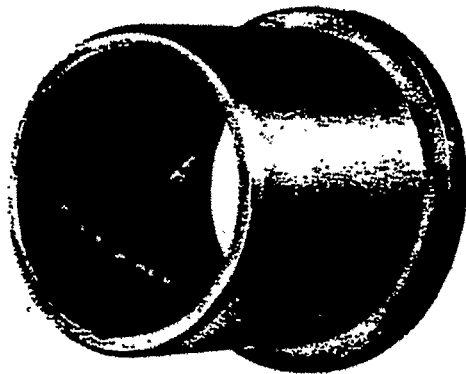
1-1/2" ID x 1-7/8" OD 2" Lg.



TRAILMOBILE

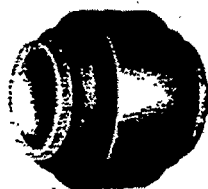
BRONZE BUSHING

TRUNNION SHAFT



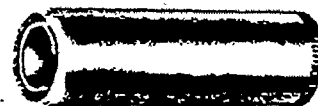
Leland No. L 214
Replaces
Trailmobile No. 3-66-8
Wt. 3 lb. 1 oz.
3" ID x 3-33/64" OD x 3-3/8" Lg.

BUSHING - RUBBER AND STEEL RADIUS ROD

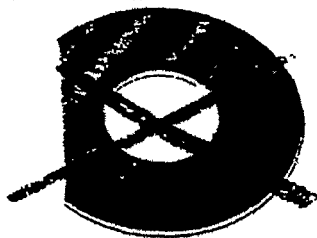


Leland No. L 212
Replaces
Trailmobile No. 3-12-6
Used with L 213 Pin
Wt. 8 oz.

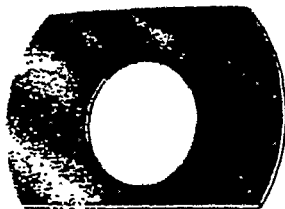
PIN - RADIUS ROD



Leland No. L 213
Replaces
Trailmobile No. 3-12-7
Used with L 212 Bushing
Wt. 1 lb.
1-5/16" OD x 4-3/16" Lg.



A NEWLY DESIGNED
SPACING CAMSHAFT WASHER
USED UNDER HEAD OF
CAMSHAFT. REPLACES
"D" SHAPED WASHER. FITS
ALL 1-1/2" CAMSHAFTS.



WASHER - "D" - 1-1/2" CAMSHAFTS

Leland No. L 202
Replaces
Timken No. 1229E837
Shuler No. B-1212-1
Fruehauf No. 219158
Standard Forge No. UB-5014
Trailmobile No. 7-9-1
1-1/2" ID x 3-7/8" OD

(Can be used on Fruehauf Camshafts by reversing)

The LELAND Corporation

1509 SOUTH MICHIGAN AVE., CHICAGO 5, ILLINOIS

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BRAKE ANCHOR PINS

ALL ANCHOR PINS ARE PRECISION MADE TO RIGID SPECIFICATIONS
CADMIUM PLATED FOR LONGER LIFE TO PREVENT RUSTING

BRAKE SHOE ANCHOR PIN

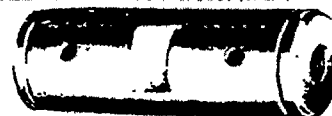


Leland No. L 113

Replaces

Timken No. 1259 L 90 - Fruehauf No. 219162
Trailmobile No. 7-12-1 - Standard Forge
No. UB 1008-1 - Shuler No. B 1223-1
1 1/4" OD x 3-3/4" Lg. - Wt. 1 lb. 4 oz.

THE SAME AS L 113 ANCHOR PIN EXCEPT
DRILLED FOR LUBRICATING PURPOSES

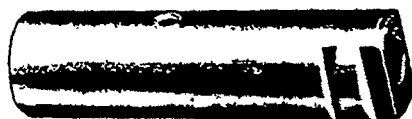


Leland No. L 114 (Grease Type)

Replaces

Timken No. 1259 G 163 - Standard Forge
No. UB 1008-2 - Twin Coach No. 4-105-124
Shuler No. B 1223-2
1 1/4" OD x 3-3/4" Lg. - Wt. 1 lb. 2 oz.

BRAKE SHOE ANCHOR PIN



Leland No. L 103

Replaces

Timken No. 1259 X 76 - GM No. 2030115
Twin Coach No. 3-2-51
(Use Bushing No. L 129)
1 1/4" OD x 4-3/8" Lg. - Wt. 1 lb. 6 oz.

BRAKE SHOE ANCHOR PIN

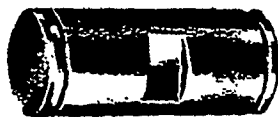


Leland No. L 138

Replaces

Timken No. 1259 B 28
ACF-Brill No. 201435 - GM No. 315485
1 1/4" OD x 5-7/8" Lg. - Wt. 1 lb. 12 oz.

BRAKE SHOE ANCHOR PIN NEW STYLE TIMKEN PRESSED STEEL SHOES



Leland No. L 152

Replaces

Timken No. 1759 M 13
Trailmobile No. 7-12-28
Fruehauf No. 330673
1 1/4" OD x 2-7/8" Lg. - Wt. 15 oz.

REAR BRAKE SHOE ANCHOR PIN

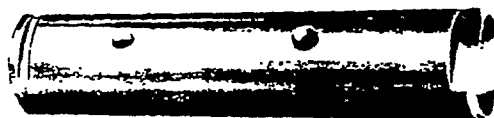


Leland No. L 106

Replaces

Timken No. 1259 Y 103 - GM No. 2121120
1 1/4" OD x 7/4" Lg. - Wt. 2 lb. 3 oz.

EATON 36-M - 20,000# AXLE BRAKE SHOE ANCHOR PIN



Leland No. L 146

Replaces

Eaton No. 10385 - GM No. 2008564
International No. 56838 H
Diamond T No. 36455 F - White No. 376069
Use L 147 Bushing
1 1/4" OD x 5-11/16" Lg. - Wt. 1 lb. 11 oz.

EATON 36-M AXLE (LATE MODELS)



Leland No. L 153

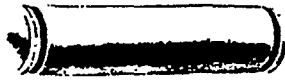
Replaces

Ford No. 8QH 2333
GM No. 2250992
International No. 105856H
White No. 716758
(Use with L 147 Bushing)
1 1/4" OD x 4-5/16" Lg. - Wt. 1 lb. 7 oz.



BRAKE ANCHOR PINS

BRAKE SHOE ANCHOR PIN (Used on L-R-LF-RF Models)



Leland No. L 207
Replaces
International No. 106721-R1
Use Bushing No. L 208
Wt. 14 oz.
1" OD x 4-3/16" Lg.

LATE MODEL FRUEHAUF TRAILERS USING PRESSED STEEL SHOES



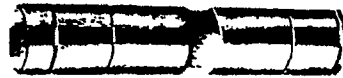
Leland No. L 130
(Cadmium Plated)
Replaces
Fruehauf No. 244848
The brake shoe bushings used with this pin
are narrower than the standard type. Our
part number for this bushing is L 136.
1 1/4" OD x 3-3/8" Lg. - Wt. - 1 lb. 2 oz.

ANCHOR PIN - BRAKE SHOE



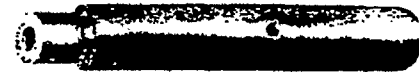
Leland No. L 182 X
Replaces
Mack No. 34QD150
Wt. 1 lb. 3/4 oz.
1-1/4" OD x 5-13/16" Lg.

BRAKE SHOE ANCHOR PIN



Leland No. L 182
(Cadmium Plated)
Replaces
Mack No. 34 QD 141
1 lb. 13 oz.
1-1/4" OD x 6-1/4" Lg.

ANCHOR PIN - BRAKE SHOE



Leland No. L 218
Replaces
White No. 303017
Wt. 1 lb. 4 oz.
1" OD x 6-23/32 Lg.

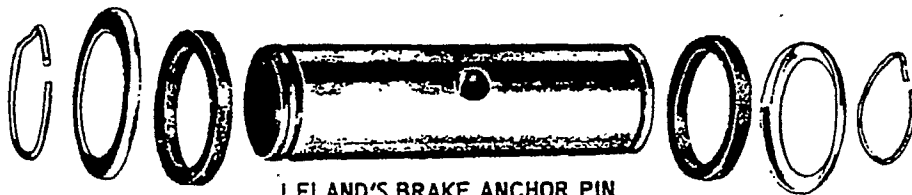
KINGHAM TRAILER

A newly designed brake anchor pin to replace Kingham brake anchor pin - part number 3008. The Leland anchor pin eliminates the need of stocking additional felts, retainers and cotter pins for Kingham application.

KINGHAM'S BRAKE ANCHOR PIN REQUIRES SPECIAL FELTS - RETAINERS AND COTTER PINS



It is now possible to use the same felts - retainers and lock rings as used on Timken - Fruehauf - Standard Forge and others.



LELAND'S BRAKE ANCHOR PIN

Leland No. L 154
(1 1/4" OD - 4-7/16" Lg.)
Replaces
Kingham No. 3008
Use L 109 Felts - L 110 Retainers - L 111 Lock Rings
Wt. 1 lb. 7 oz.

The Leland Anchor Pin No. L 154 is hardened - Ground and Cadmium Plated for rust resistance - guaranteeing longer life and service

The **LELAND** Corporation

1509 SOUTH MICHIGAN AVE., CHICAGO 5, ILLINOIS

TELEPHONE: HARRISON 7-1370.

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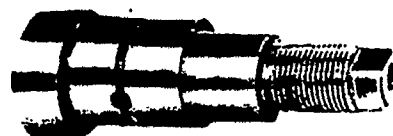
BRAKE ANCHOR PINS - ECCENTRIC TYPE

BRAKE SHOE ANCHOR PIN - ECCENTRIC TYPE FOR FRUEHAUF TRAILERS



Leland No. L 142
(Cadmium Plated)
Replaces
Fruehauf No. 533975
(Used on 16 x 6 - 16 x 7 & 18 x 7 Brakes)
Bushings for this Pin - Fruehauf No. 532866
are supplied under our No. L 143
Wt. - 1 lb. 6 oz.

BRAKE SHOE ANCHOR PIN - ECCENTRIC TYPE "RE" Type 16" Brake



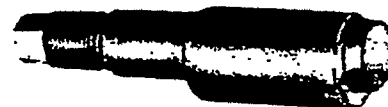
Leland No. L 184
Replaces
Shuler No. B-764-1
(Drilled for Lubrication)
Wt. 1 lb. 8 oz.
5-1/4" Lg.

BRAKE SHOE ANCHOR PIN - ECCENTRIC TYPE (Use on popular 33C Axles)



Leland No. L 204
Replaces
White No. B-24724-X
Wt. 1 lb. 8 oz.
1-1/4" OD x 5-3/4" Lg.

BRAKE SHOE ANCHOR PIN - ECCENTRIC TYPE (Used on all popular Mack Models)



Leland No. L 217
Replaces
Mack No. 34 QD17A
Wt. 1 lb. 10 oz.
6-1/8" lg.

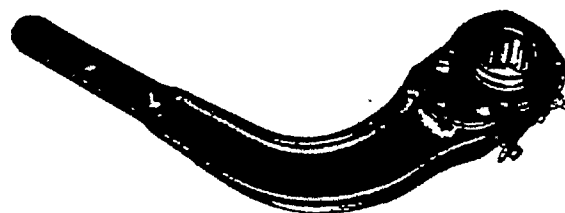
SLACK ADJUSTERS

SLACK ADJUSTER FOR AIR BRAKES



1-1/2" - 10 Spline 5", 6" & 7"
Leland No. L 196
Replaces
B/W No. 224293
Midland No. N-2901A
Wt. - 1 Pkg - 5 lb. 8 oz.

SLACK ADJUSTER FOR VACUUM BRAKES

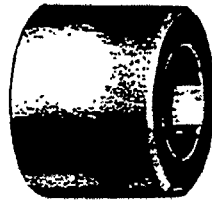


1-1/2" - 10 Spline - 10", 12" & 14"
Leland No. L 197
Replaces
Midland No. N-2910A
Wt. - 1 Pkg. - 6 lb. 8 oz.



BRAKE SHOE ROLLERS

ROLLERS (COPPER PLATED)



Leland No. L 100
1-1/4" OD Roller - Standard

Replaces

Timken No. 1199 A 625 - Shuler No. B 1220
Fruehauf No. 219300 - Trailmobile No. 7-23-3
GM No. 2009342 - Twin Coach No. 3-106-53
Standard Forge No. UB 1006-1

Wt. - 3 oz.

Leland No. L 128
1-3/8" OD Roller - 1/8" oversize

Replaces

Timken No. 1199 A 937 - GM No. 2095075
(Used as Oversize for 1 1/4" L 100 Std)

Wt. - 4 1/2 oz.

Leland No. L 124
1-1/2" OD Roller - 1/4" oversize

Replaces

Timken No. 1199 Z 910 - GM No. 2250099
(Used as Oversize for 1 1/4" L 100 Std)

Wt. - 6 oz.

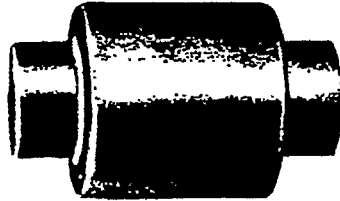
Leland No. L 127
1-3/4" OD Roller - 1/2" oversize

Replaces

Timken No. 1199 A 911 - GM No. 2034977
(Used as Oversize for 1 1/4" L 100 Std)

Wt. - 8 1/2 oz.

ROLLER & PIN - NEW STYLE
Used on
TIMKEN PRESSED STEEL BRAKE SHOES



Leland No. L 149 (Copper Plated)

Replaces

Timken No. 1779 R 18 - Trailmobile No. 7-23-7
Fruehauf No. 330733
(Use L 151 Retainer)

Wt. - Pkg. of 25 - 14 lb.

FOR 1/4" OVERSIZE - LELAND NO. L 158

ROLLER - EATON BRAKE SHOE (Copper Plated)



Leland No. L 148

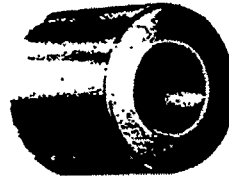
Replaces

Eaton No. 16282 C
GM No. 2284738
Diamond T No. 35337
White No. 818616
Int'l No. 108937 R1

1-5/8" OD x 13/16" ID - Wt. - 5 oz.
(Use Pin No. L 150)

FOR 1/4" OVERSIZE - LELAND NO. L 194

ROLLER - BRAKE SHOE



Copper plated
Leland No. L 156

Replaces

Kingham No. 3018
Weight - 8 1/2 oz. ea.

ROLLER - BRAKE SHOE



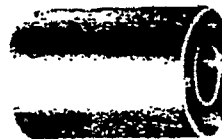
Leland No. L 171
(Copper Plated)

Replaces

Fruehauf No. 533979
(Use with L 170 Pin)

5/8" ID x 1 1/2" OD - Wt. - 6 1/2 oz.

ROLLER - BRAKE SHOE



Leland No. L 205

Replaces

White No. A25439-X
(Use with L 206 Pin)
Wt. 4 oz.

1" OD x 1-31/32" Lg.

ROLLER - BRAKE SHOE



Leland No. L 181
(Copper Plated)

Replaces

Mack No. 55 MX 111P2
(Use Leland No. L 101 Pin)

3/4" ID x 1-9/16" OD - Wt. - 6 oz.

ROLLER - BRAKE SHOE "RE" Type 16" Brake



Leland No. L 186
(Copper Plated)

Replaces

Shuler No. B-1138
5/8" ID x 2" OD - Wt. - 12 oz.

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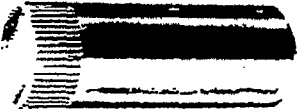
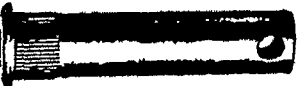
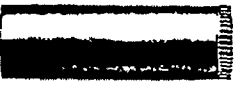
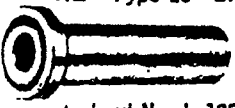
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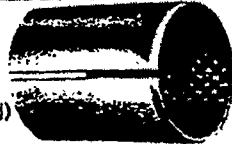
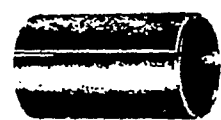
BRAKE SHOE ROLLER PINS - LOCKS AND RETAINER

PIN - BRAKE SHOE ROLLER (Copper Plated)  Leland No. L 101 <i>Replaces</i> Timken No. 1246 S 227 Fruehauf No. 219301 Trailmobile No. 7-24-1 Shuler No. B 1219 GM No. 2009343 Twin Coach No. 3-106-52 Std. Forge No. UB 5009 3/4" OD x 2 1/4" Lg. - Wt. - 4 1/4 oz.	PIN - BRAKE SHOE ROLLER (Copper Plated)  Leland No. L 107 <i>Replaces</i> Timken No. 1246 R 356 GM No. 2270742 (Use Lock No. L 108) 3/4" OD x 2-19/32" Lg. Wt. - 5 oz.	PIN - BRAKE SHOE ROLLER (Copper Plated)  Leland No. L 119 <i>Replaces</i> Fruehauf No. 253394 (Use Lock Ring No. L 118) For Fruehauf Pressed Steel Shoes 3/4" OD x 2-5/16" Lg. - Wt. - 4 1/2 oz.
PIN - EATON BRAKE SHOE ROLLER  Leland No. L 150 (Steel - Copper Plated) (Use with L 148 Roller) <i>Replaces</i> Eaton No. 16283C - White No. 818617 GM No. 2284739 International No. 108938 RI Diamond T No. 35338 13/16" OD x 2-1/8" Lg. - Wt. - 5 oz.	PIN - BRAKE SHOE ROLLER (Copper Plated)  Leland No. L 155 <i>Replaces</i> Kingham No. 3019 Weight - 7 oz. ea.	PIN - BRAKE SHOE ROLLER (Copper Plated)  Leland No. L 170 <i>Replaces</i> Fruehauf No. 533980 (Use with L 171 Roller) 5/8" OD x 2" Lg. - Wt. - 2 1/2 oz.
PIN - BRAKE SHOE ROLLER "RE" Type 16" Brake  Leland No. L 185 (Copper Plated) <i>Replaces</i> Shuler No. B-1371 5/8" Dia. x 2-3/4" Overall Lgth. Wt. - 4 oz.	PIN - BRAKE SHOE ROLLER  Leland No. L 302 (for GM Parlor Coaches) <i>Replaces</i> GM No. 2298300 (Use Lock No. L 108) 3/4" OD x 3" Lg. - Wt. - 6 oz.	PIN - BRAKE SHOE ROLLER (Used on 33C Axle)  Leland No. L 206 <i>Replaces</i> White No. 399104 (Used with L 205 Roller) Wt. 2 oz. 7/16" OD x 2-3/4" Lg.
LOCK - BRAKE SHOE ROLLER PIN  Leland No. L 108 <i>Replaces</i> GM No. 2270743 Timken No. 1229T1320 (Use with L 107 and L 302 Pin)	RETAINER - TIMKEN ROLLER  Leland No. L 151 <i>Replaces</i> Timken No. 1718Y103 Fruehauf No. 330734 Trailmobile No. 7-18-8 (Used with New Style Pressed Steel Shoes with L 149 and L 158 Roller)	LOCK - BRAKE SHOE ROLLER PIN  Leland No. L 118 <i>Replaces</i> Fruehauf No. 253395 (Used with L 119 Pin) For Fruehauf Pressed Steel Shoes Wt. - Pkg of 100 - 3 oz.

INTERCHANGEABLE LIST OF ALL PARTS ON PAGES 22 THRU 27



BRAKE SHOE BUSHINGS

 BUSHING - BRAKE SHOE Leland No. L 112 <i>Replaces</i> Timken No. 1225 F 266 - Fruehauf No. 219299 Trailmobile No. 7-22-3 Twin Coach No. 4-106-52 Shuler B 1599; also B 615-4 1-1/4" ID x 1-3/8" OD x 3/4" Lg. Wt. Pkg. 100 - 5 lb. 8 oz.	BUSHING - BRAKE SHOE  Leland No. L 147 <i>Replaces</i> Eaton No. 10505 - Timken No. 15015 GM No. 289321 - Diamond T No. 56035 J International No. 56837 H - White No. 408790 Ford No. 8 QH 2358 - Twin Coach No. 4-106-51 1-1/4" ID x 1-1/2" OD x 1-1/8" Lg.	
BUSHING - BRAKE SHOE  Leland No. L 129 (Graphite Impregnated) <i>Replaces</i> Timken No. 1225 A 183 - GM No. 676897 Trailmobile No. 7-22-2 - Twin Coach No. 3-106-51 1 1/4" ID x 1-3/8" OD x 2" Lg.	BUSHING - BRAKE SHOE "RE" Type 16" Brake  Leland No. L 187 (Oil Impregnated) <i>Replaces</i> Shuler No. B-614-1 1-3/8" ID x 1-1/2" OD x 1-5/8" Lg.	
BUSHING - BRAKE SHOE  Leland No. L 157 (Graphite impregnated) <i>Replaces</i> Kingham No. 3021	BUSHING - BRAKE SPIDER "RE" Type  Leland No. L 189 (Oil Impregnated) <i>Replaces</i> Shuler No. B-1146-2 1-1/2" ID x 1-3/4" OD x 2-1/2" Lg.	BUSHING - BRAKE SHOE  Leland No. L 183 (Graphite Impregnated) <i>Replaces</i> Mack No. 80 AX 395
 BUSHING - BRAKE SHOE Leland No. L 136 <i>Replaces</i> Fruehauf No. 253396 Timken No. 1225 N 352 Used in pressed steel shoes and with pin No. L 130 1 1/4" ID x 1-3/8" OD x 1/2" Long Wt. per 100 - 4 lb. 1 oz.	BUSHING - FRONT BRAKE SHOE (for Eaton, - Clark & Timken Front Axles)  Leland No. L-198 (Graphite Impregnated) <i>Replaces</i> Eaton No. 17947 - Timken No. 1225Q95 Clark No. 704EZ - Ford No. 8QH2028 GM No. 2155620 - Diamond T No. 16481-C Also used on many others 1" ID - 1-1/16" OD - 1" Long	
 BUSHING - BRAKE SHOE (Used with Eccentric type Anchor Pins) Leland No. L 143 (Oil Impregnated) <i>Replaces</i> Fruehauf No. 532866 (Used with Pin No. L 142) Wt. per 100 - 8 lb. 8 oz.	BUSHING - BRAKE SHOE  Leland No. L 208 <i>Replaces</i> International No. 106718-R1 Used with L 207 1" ID x 1-1/8" OD x 2" Lg.	

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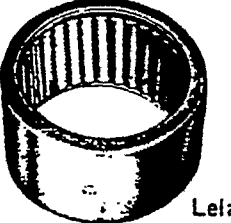
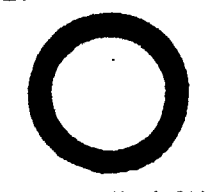
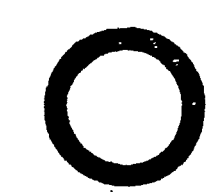
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BRAKE CAMSHAFT NEEDLE BEARINGS - FELTS - FELT RETAINERS AND WASHERS

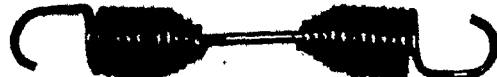
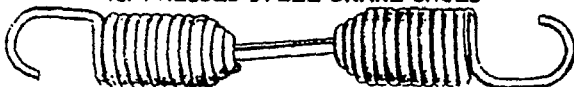
 NEEDLE BEARING— BRAKE SPIDER or CAMSHAFT BRACKET Leland No. L 117 Timken No. 1228 A 53 Fruehauf No. 219180 Trailmobile No. 50-12-18 B 2420 O H GM No. 127767 1½" ID — Wt. — 4 oz.	WASHER — SPACING CAMSHAFT  Leland No. L 192 <i>Replaces</i> Timken No. 1229Q771 Fruehauf No. 219292 Trailmobile No. 7-9-11 (Used on all 1½" Camshafts) Wt. Pkg. of 100-2 lbs. 1-17/32" ID x 2-1/4" OD 21 ga. .032	WASHER — SPACING CAMSHAFT  Leland No. L 193 <i>Replaces</i> Timken No. 1229R122 Fruehauf No. 219293 Trailmobile No. 7-9-3 Shuler No. B-1216 (Used on all 1½" Camshafts) Wt. Pkg. of 50-2 lbs. 1-17/32" ID x 2-1/4" OD 16 ga. .060
 NEEDLE BEARING — BRAKE SPIDER Leland No. L 141 Fruehauf No. 535017 B 2216 O H (For 1-3/8" Camshaft) Wt. — 3 oz.	RETAINER — WASHER FELT  Leland No. L 120 <i>Replaces</i> Timken No. 1229 J 868 Fruehauf No. 219179 Trailmobile No. 7-27-3 GM No. 2101126. (Used in Spider and Camshaft Bracket) 1-17/32" ID x 2" OD Wt. — Pkg. 100 — 2 lb. 9 oz.	CUP RETAINER FOR CAMSHAFT FELT  Leland No. L 135 <i>Replaces</i> Timken No. 1205 W 205 Fruehauf No. 219178 Trailmobile No. 7-18-4 GM No. 679530 Shuler No. B 1216 1-9/16" ID x 2-1/16" OD Wt. — Pkg. 100 — 2 lb. 6 oz.
 RETAINER — BRAKE ANCHOR PIN FELT Leland No. L 110 <i>Replaces</i> Timken No. 1205 K 193 Fruehauf No. 219296 Trailmobile No. 7-18-1 Twin Coach No. 4-105-82 Standard Forge No. UB 1004 Shuler No. B 1211 Wt. — Pkg. of 100 — 1 lb. 8 oz.	FELT — BRAKE CAMSHAFT  Leland No. L 126 <i>Replaces</i> Timken No. 5 X 433 Fruehauf No. 219294 Trailmobile No. 7-26-3 GM No. 2101125 Std. Forge No. UB 1014 Shuler No. X-6-561 1-1/2" ID x 2-1/16" OD Wt. — Pkg. 100 — 9 oz.	FELT — BRAKE CAMSHAFT  Leland No. L 139 <i>Replaces</i> Timken No. 5 X 191 Fruehauf No. 219177 Trailmobile No. 7-25-5 (Used in Spider and Camshaft Bracket) 1½" ID x 2" OD Wt. — Pkg. 100 — 6 oz.
 FELT — BRAKE ANCHOR PIN Leland No. L 109 <i>Replaces</i> Timken No. 5 X 180 Fruehauf No. 219295 Trailmobile No. 7-25-2 Twin Coach No. 4-105-81 Standard Forge No. UB 1012 Shuler No. X-6-562 Wt. — Pkg. of 100 — 5 oz.		



BRAKE SHOE RETURN SPRINGS

TO DETERMINE OVERALL LENGTH —
REFER TO FOLLOWING ILLUSTRATION



FRONT BRAKE SHOE RETURN SPRING  Leland No. L 102 <i>Replaces</i> GM No. 2030114 Timken No. 2258 B 288 Twin Coach No. 3-2-50 Overall Lgth: 8-3/4" - Wt. - 4 oz.	REAR BRAKE SHOE RETURN SPRING  Leland No. L 104 <i>Replaces</i> GM No. 2030167 Timken No. 2258 C 289 Overall Length: 9" - Wt. - 5 oz.	
BRAKE SHOE RETURN SPRING  Leland No. L 115 <i>Replaces</i> Timken No. 2258 K 349 - Trailmobile No. 7-8-22 Fruehauf No. 219311 - Int'l No. 56109 RI (16½" x 6" & 7"; also 18" x 7 Brakes w/cast shoes) Overall Lgth: 9-3/8" - Wt. - 7 oz.	BRAKE SHOE RETURN SPRING  Leland No. L 116 <i>Replaces</i> Timken No. 2258 P 354 (early models w/cast shoes) Shuler No. B 1486 - Kingham No. 3023 Std. Forge No. UB 1021 - Int'l No. 62333 RI Twin Coach No. 3-106-58 (16½" x 6" & 7" Brakes) Overall Lgth: 7-15/16" - Wt. - 6 oz.	
NEW LENGTH - BRAKE SHOE RETURN SPRING for PRESSED STEEL BRAKE SHOES  Leland No. L 179 <i>Replaces</i> Timken No. 2258 P 354 Trailmobile No. 7-8-1 International No. 62322R1 <i>Replaces</i> Yellow Painted Springs on new 16½" x 6" and 16½" x 7" brakes (L 116 will not replace this spring) Overall Lgth: 8-5/16" - Wt. - 7½ oz.	REAR BRAKE SHOE RETURN SPRING  Eaton 36-M Axle Air Brakes Leland No. L-199 <i>Replaces</i> International No. 58019R1 Ford No. 8 QH 2036 - GM No. 2217210 Diamond T No. 46483-7 - Eaton No. 29577 White and many others Overall Lgth: 10-3/4" - Wt. - 10 oz.	
BRAKE SHOE RETURN SPRING  Leland No. L 172 <i>Replaces</i> Fruehauf No. 530135 (Used only on Brakes with Eccentric Type Anchor Pins) Overall Length - 8-7/8" Wt. - 9½ oz.	BRAKE SHOE RETURN SPRING  Leland No. L 215 <i>Replaces</i> Mack No. 58AX200 8-1/2" Overall Wt. 10 oz.	BRAKE SHOE RETURN SPRING  Leland No. L 216 <i>Replaces</i> Mack No. 58AX208 Wt. 6 oz. 6-1/8" Overall

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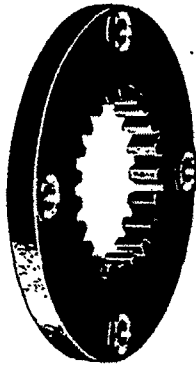
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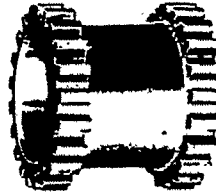


AIR COMPRESSOR DRIVE COUPLINGS

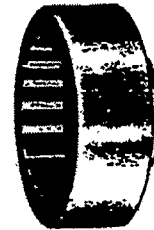
For Bendix Westinghouse and
Wagner Air Compressors Used on GM Diesel Coaches
NEW TYPE "CELORON HUB" with letter "A"



A 944



A 946



A 945

MOLDED COUPLING DISC

- GM No. 2136944 - LELAND No. A944

STEEL COUPLING

- GM No. 2136946 - LELAND No. A946

COMPRESSOR DRIVE HUB FOR BW

- GM No. 2136945 - LELAND No. A945

COMPRESSOR DRIVE HUB FOR WAGNER

- GM No. 2193563 - LELAND No. A563

AIR COMPRESSOR HUBS

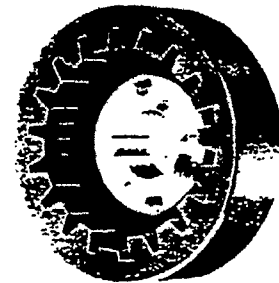
MOLDED HUB
AIR COMPRESSOR DRIVE

-MACK-

MOLDED HUB
AIR COMPRESSOR DRIVE



Leland No. A 911
Mack No. 320 GB 14
Hole .875" ID



Leland No. A 912
Mack No. 320 GB 11A
Hole 1" ID

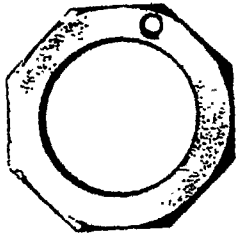
INTERCHANGEABLE LIST OF ALL PARTS ON PAGES 22 THRU 27



WHEEL SPINDLE - INNER & OUTER NUTS

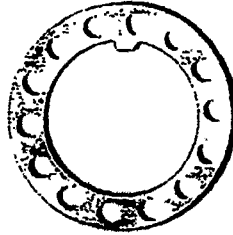
USED ON 17,000 AND 18,000 LB. AXLES

NUT - AXLE INNER



Leland No. L 176
Replaces
Timken No. AT 6880
Shuler No. F 940
Std. Forge No. A 150032B
Trailmobile No. 6-3-7
2-9/16" ID - Wt. - 10 oz.

WASHER - AXLE NUT LOCK



Leland No. L 177
Replaces
Timken No. T 3840
Shuler No. F 942
Std. Forge No. A 150034
Trailmobile No. 6-5-8
2-11/16" ID x 3-29/32" OD
Wt. - 6 oz.

NUT - AXLE OUTER



Leland No. L 178
Replaces
Timken No. T 3564
Shuler No. F 941
Std. Forge No. A 150033
Trailmobile No. 6-4-2
2-9/16" ID - Wt. - 4 1/2 oz.

USED ON 13,000 AND 14,000 LB. AXLES

NUT - WHEEL SPINDLE



Leland No. L 209
Replaces
Timken No. 1227H34
Standard Forge No. 130029
Wt. 6 oz.
1-3/4" ID

WASHER - WHEEL SPINDLE NUT
16 GA. (Thin)



Leland No. L 210
Replaces
Timken No. 1229G709
Standard Forge No. 130030
1-3/4" ID x 3" OD

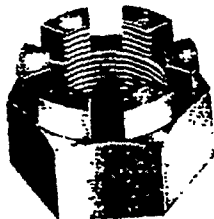
WASHER - WHEEL SPINDLE SPACE
11 GA. (Thick)



Leland No. L 211
Replaces
Timken No. 1229F708
Standard Forge No. 130031
Wt. 3 oz.
1-3/4" ID x 3" OD

AXLE AND ECCENTRIC ANCHOR PIN NUTS

AXLE NUT



1-1/2" - 12 Castelled
Leland No. L 195
Fruehauf No. 530088
Shuler No. X-1-115
Kingham No. SFP-1948113
Wt. 14 oz. ea.

INNER & OUTER LOCK NUTS



Leland No. L 169
Replaces
Fruehauf No. 534079
(Used with L 142 Eccentric Pin)
Wt. - 3 oz. combined

The **LELAND** Corporation

1509 SOUTH MICHIGAN AVE., CHICAGO 5, ILLINOIS

TELEPHONE: HARRISON 7-1370

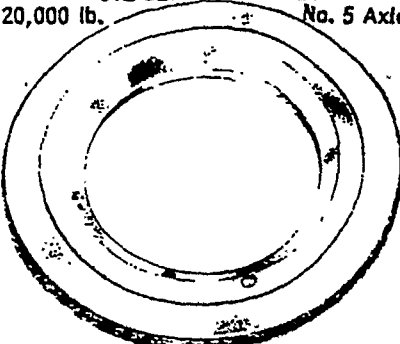
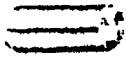
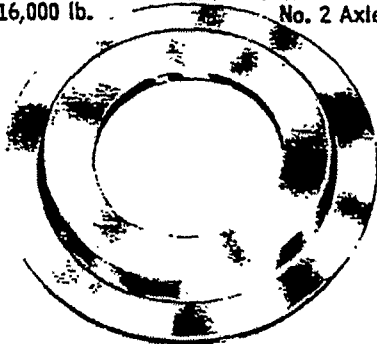
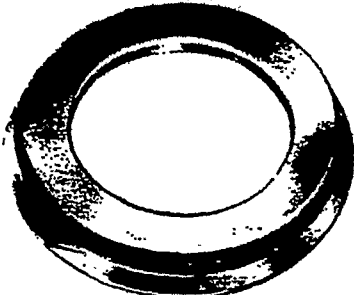
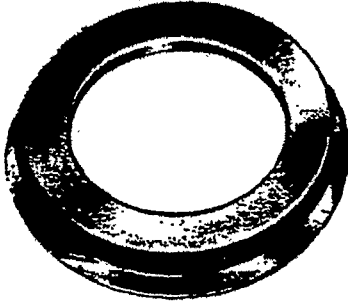
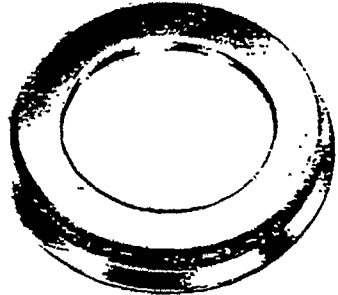
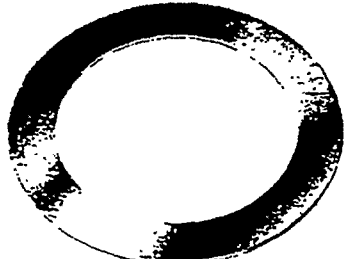
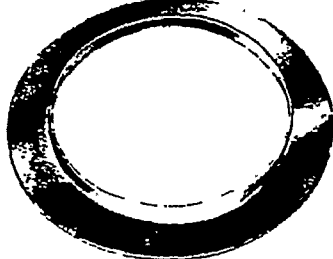
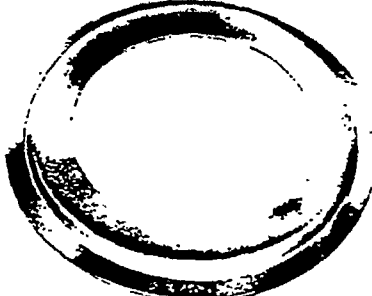
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WHEEL BEARING GREASE & OIL SEALS

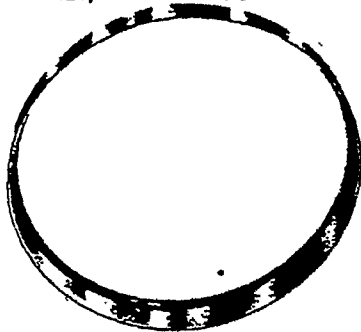
OIL SEAL ASSEMBLY 20,000 lb. No. 5 Axle  Leland No. L 160 <i>Replaces</i> Fruehauf No. 77895 3½" ID - Wt. - 1 lb. 7 oz.	OIL SEAL DOWEL PIN  Leland No. L 159 <i>Replaces</i> Fruehauf No. 534591 (Used with L-160 and L 164)	OIL SEAL COLLAR 16,000 lb. No. 2 Axle  Leland No. L 164 <i>Replaces</i> Fruehauf No. 534996 2-7/8" ID - Wt. - 2 lb. 2 oz.
WHEEL BEARING GREASE SEAL  Leland No. L 132 <i>Replaces</i> Timken No. A 1205 X 336 Trailmobile No. 6-A8-3 3¼" ID x 5½" OD - Wt. - 9 oz. (Used on all 13,000 lb. Axles)	WHEEL BEARING GREASE SEAL  Leland No. L 131 <i>Replaces</i> Timken No. A 1205 M 273 Trailmobile No. 6-A8-1 Kingham No. 3109A 3-1/8" ID x 5½" OD - Wt. - 9 oz. (Used on 10,000 - 11,000 & 12,000 lb Axles)	GREASE SEAL (For 13,000 lb. Axle)  Leland No. L 191 <i>Replaces</i> Standard Forge No. A110016 Shuler No. F-802-1 Kingham No. 3109-B 3½" ID x 5½" OD - Wt. - 9 oz.
FELT RETAINING WASHER  Leland No. L 121 <i>Replaces</i> Timken No. 1229 K 713 Std. Forge No. A 150035 4-1/32" ID x 5-5/8" OD Wt. - Pkg. of 2 - 6 oz.	OUTER FELT RETAINER  Leland No. L 122 <i>Replaces</i> Timken No. 1205 L 272 Std. Forge No. A 150036 3-31/32" ID x 5-17/32" OD Wt. - Pkg. of 2 - 8 oz.	INNER FELT RETAINER  Leland No. L 123 <i>Replaces</i> Timken No. 1205 K 271 Std. Forge No. A 150037 4-1/32" ID x 6-5/16" OD Wt. Pkg. 2 - 12 oz.

INTERCHANGEABLE LIST OF ALL PARTS ON PAGES 22 THRU 27



WHEEL BEARING GREASE & OIL SEALS

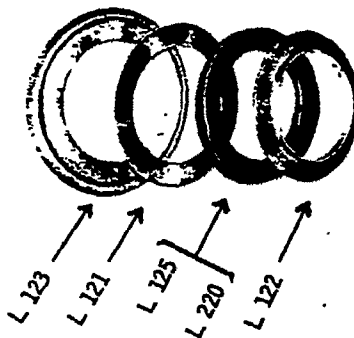
COMPRESSION RING
WHEEL BEARING RETAINER
(20,000 lb. - No. 5 Axle)



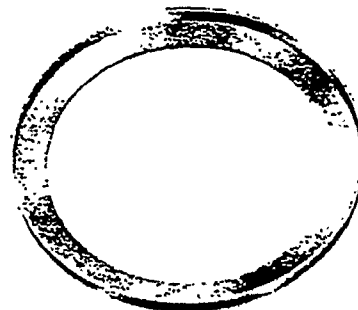
Leland No. L 161
Replaces
Fruehauf No. 258332
5-5/8" ID x 6" OD
Wt. - Pkg. 2 - 6 1/2 oz.

TIMKEN

11,000 - 12,000 - 13,000 -
15,000 - 16,000 - 17,000 -
18,000 lb. and 20,000 lb. Axles
ALSO STANDARD FORGE

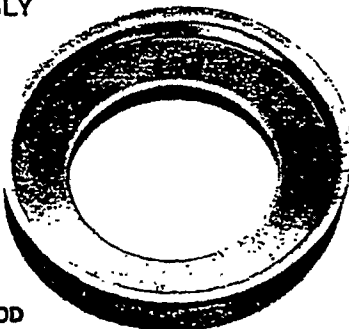


COMPRESSION RING
WHEEL BEARING RETAINER
(16,000 lb. - No. 2 Axle)



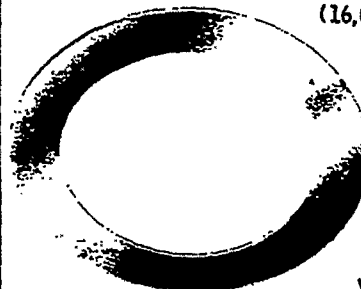
Leland No. L 163
Replaces
Fruehauf No. 530368
4-3/4" ID x 6" OD
Wt. - Pkg. 2 - 10 oz.

GREASE SEAL ASSEMBLY
(Flange Type)
18000 lb. Axle



Leland No. L 188
Replaces
Shuler No. F-990
Kingham No. 3110A
Wt. 10 oz.
3-1/2" ID x 5-25/32" OD

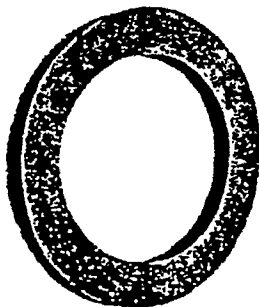
OIL SEAL SPACER RING
(16,000 lb. - No. 2 Axle)



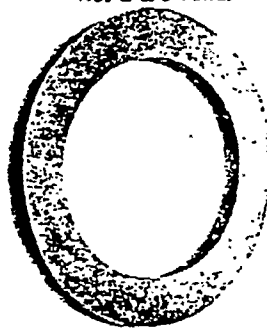
Leland No. L 165
Replaces
Fruehauf No. 530869
Wt. - Pkg. 2 - 4 1/2 oz.

WHEEL BEARING GREASE & OIL SEAL FELTS

(16,000 and 20,000 lb.
No. 2 & 5 Axle)

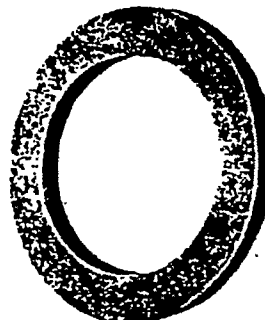


Leland No. L 125
Replaces
Timken No. 5 X 265
Std. Forge No. A 150038
Nat'l No. 5M 497
17,000 & 18,000 lb Axles
2 to Pkg.

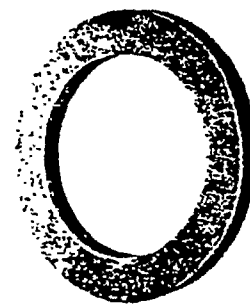


Leland No. L 162
Replaces
Fruehauf No. 530370 - 251519
Nat'l No. 5M853
(Can also be used in No. 5
20,000 lb. Seal)

(Used on Timken
20,000 lb Axle)



Leland No. L 220
Replaces
Timken No. 5X482
Nat'l No. 5M997
2 to Pkg.



Leland No. L 140
Replaces
Timken No. 5 X 418
Nat'l No. 5M498
(Fits all 10,000 - 11,000
12,000 & 13,000 lb. Axle
Wheel Grease Seals)
2 to Pkg.

The **LELAND**
Corporation

1509 SOUTH MICHIGAN AVE., CHICAGO 5, ILLINOIS

TELEPHONE: HARRISON 7-1370

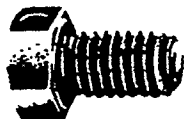
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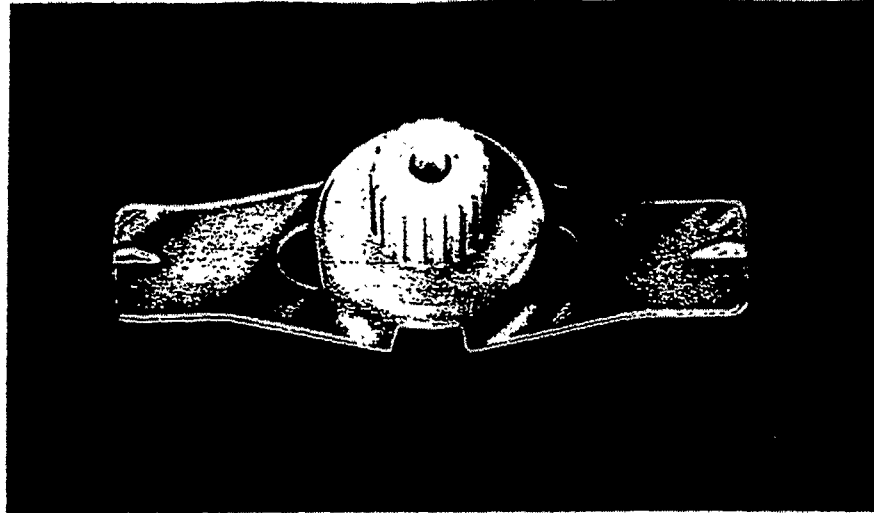
LOCKS - RINGS - SET SCREWS - BOLTS

LOCK RING - BRAKE ANCHOR PIN  Leland No. L 111 <i>Replaces</i> Timken No. 1218 M 13 Fruehauf No. 219156 Trailmobile No. 7-33-3 Twin Coach No. 4-105-83 Standard Forge No. UB 1013 Shuler No. B 1214 Wt. - Pkg. of 100 - 12 oz.	LOCK RING - BRAKE CAMSHAFT  Leland No. L 137 Timken No. 1229 H 866 Fruehauf No. 219160 Trailmobile No. 17-18-6 GM No. 2101124 (This Ring Fits All 1-1/2" Camshafts and Will Interchange with Timken No. 1229 Z 1118 & 1229 B 1302 or Trailmobile No. 7-33-4 Wt. - Pkg. of 100 - 15 oz.	SET SCREW - BRAKE SHOE ROLLER PIN  Leland No. L 145 <i>Replaces</i> Timken No. 1199 B 626 Trailmobile No. 50-23K-40 Standard Forge No. 6801 Fruehauf No. 102570 Wt. - Pkg. 100 - 6 1/2 oz.
FOR SERVICE AND QUALITY	BRAKE BLOCK BOLTS - NUTS - LOCK WASHERS  Leland No. L 144 High tensile brass SAE thread 3/8" bolts with finest quality steel hex nuts and lock washers packed 100 of each to the box Wt. 6 lb. 8 oz.	ORDER YOUR REQUIREMENTS FROM LELAND
LOCK SCREW - BRAKE ANCHOR PIN  Leland No. L 168 <i>Replaces</i> Timken No. S-265-D - Shuler No. B 1213 Fruehauf No. 219297 and 254253 Trailmobile No. 7-78-1 Standard Forge No. 6213 Wt. - Pkg. of 100 - 3 lb.	LOCK - BRAKE ANCHOR PIN  Leland No. L 180 <i>Replaces</i> Timken No. 1229 D 108 - Eaton No. 10388 Twin Coach No. 3-2-52 - White No. 408795 GM No. 305579 (Used on Timken and Eaton Brakes Using Slotted Pins)	



WATER PUMP PARTS FOR GM "71" SERIES DIESEL TRUCKS AND BUSES

THE ORIGINAL NYLON WATER PUMP DRIVE COUPLING



LELAND PART No. B - 2265 NYLON WATER PUMP COUPLING
REPLACES GM No. 5172974 and 5179605

THE LELAND CORPORATION offers the only Original Nylon Water Pump Coupling that replaces the steel fabricated part No. 5172974 or 5179605. This Nylon Water Pump Coupling has been tried and proven, without a failure, by some of the largest bus operators, for over five years. It will outlast, with less wear on the mating parts, its steel counterpart.

The use of the Nylon Water Pump Coupling eliminates all wear in the splines of the Blower Rotor Shaft, thus the use of the Blower Rotor Shaft Repair Kit, part No. 5192821 and the labor to install the new shaft is saved.

Installation of the nylon coupling is very simple, the only tools necessary, is a rubber or fibre mallet. To remove the nylon coupling just pry out.

Should you be one of the few, who have not yet tried this wonder part, we shall be happy to furnish further details regarding its development and extensive use.

WATER PUMP DRIVE - OIL SLINGER



Leland No. W 682
Replaces
GM No. 5153682

The **LELAND** *Corporation*

1509 SOUTH MICHIGAN AVE., CHICAGO 5, ILLINOIS

TELEPHONE: HARRISON 7-1370

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UNIVERSAL JOINT REPAIR KITS

WE NOW SUPPLY THE LATEST TYPE UNIVERSAL JOINT REPAIR KITS

The retainer plates are welded to the bearing caps to prevent the bearings from turning and causing excessive wear in the yokes. Use a replacement kit, contains all parts necessary for universal overhaul and repair.

Spicer No. 5-117X
Supersedes 5-17

UNIVERSAL JOINT KIT

Leland No. U 334

Replaces

Spicer No. 5-17

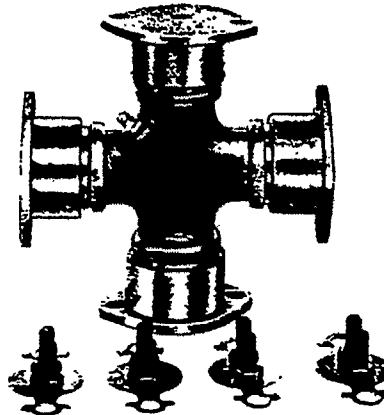
Mack No. 201-SJ-15

White No. B-33-734

GM No. 2222853

(Also fits ACF-Brill,
Marmon-Herrington and
many other trucks & buses)

Wt. 8 lb.



Spicer No. 5-116X
Supersedes 5-16

UNIVERSAL JOINT KIT

Leland No. U 333

Replaces

Spicer No. 5-16

Mack No. 201-SJ-14

GM No. 2222854

Twin Coach No. 13-201-1
(Also fits many other trucks
and buses)

Wt. 6 lb. 8 oz.

MANUFACTURERS PART NUMBERS

APPLICATION	PAGE NO.	LELAND	TIMKEN	STANDARD	SHULER	FRUEHAUF
ROLLER - STANDARD	11	L 100	1199 A 625	UB 1006-1	B 1220	219300
PIN - ROLLER	12	L 101	1246 S 227	UB 5009	B 1219	219301
SPRING - RETURN	15	L 102	2258 B 288			
PIN - ANCHOR	8	L 103	1259 X 76			
SPRING - RETURN	15	L 104	2258 C 289			
PIN - ANCHOR	8	L 106	1259 Y 103			
PIN - ROLLER	12	L 107	1246 R 356			
LOCK - ROLLER PIN	12	L 108	1229 T 1320			
FELT - ANCHOR PIN	14	L 109	5 X 180	UB 1012	X6-562	219295
RETAINER - FELT	14	L 110	1205 K 193	UB 1004	B 1211	219296
LOCK RING - ANCHOR PIN	20	L 111	1218 M 13	UB 1013	B 1214	219156
BUSHING - BRAKE SHOE	13	L 112	1225 F 266	UB 1024	B 1599 B 615-4	219299
PIN - ANCHOR	8	L 113	1259 L 90	UB 1008-1	B 1223-1	219162
PIN - ANCHOR - GREASE TYPE	8	L 114	1259 G 163	UB 1008-2	B 1223-2	

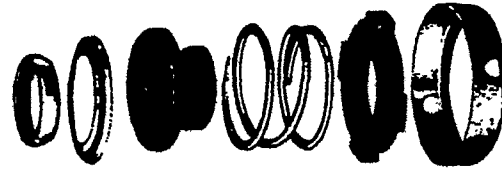
INTERCHANGEABLE LIST



WATER PUMP REPAIR PARTS FOR GM "71" SERIES DIESEL TRUCKS AND BUSES



IMPELLER & SEAL ASSEMBLY
GENUINE S C SEAL

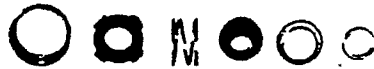


Leland No. W 820
Replaces
GM No. 5172820

WATER PUMP REPAIR KIT

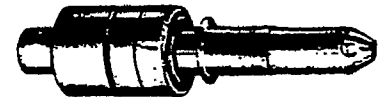


Leland No. W 239
Replaces
GM No. 5193239



TO REPAIR A LEAKING IMPELLER
SEAL ASSEMBLY CONTAINS
ALL NECESSARY PARTS AND
GASKETS, SEAL INCLUDED

WATER PUMP BEARING & SHAFT ASSEMBLY W/SLINGER BUSHING GENUINE NEW DEPARTURE



Leland No. W 818
Replaces
GM No. 5172818 & 5186493

MANUFACTURERS PART NUMBERS

	TRAILMOBILE	KINGHAM	GENERAL MOTORS	TWIN COACH	INTERNATIONAL	EATON	DIAMOND T	ACF BRILL	OTHERS
	7-23-3		2009342	3-106-53	56102 R1			280185	FORD 09B-2023
	7-24-1		2009343	3-106-52	56103 R1			280186	FORD 09B-2025 MACK 31AX436
			2030114	3-2-50					
			2030115	3-2-51				285993	WHITE - 819640
			2030167						
			2121120						
			2270742						
			2270743						
	7-25-2	3009		4-105-81	56106 R1				
	7-18-1	3010		4-105-82	56107 R1				
	7-33-3			4-105-83	56108 R1				
	7-22-3			4-106-52	56098 R1				
	7-12-1				56104 R1		16255 M		
				4-105-124				559520	MARMON-HERRINGTON TC 130182

INTERCHANGEABLE LIST

MANUFACTURERS PART NUMBERS

APPLICATION	PAGE NO.	LELAND	TIMKEN	STANDARD	SHULER	FRUEHAUF
SPRING - RETURN	15	L 115	2258 K 349			219311
SPRING - RETURN	15	L 116	2258 P 354	UB 1021	B 1486	
BEARING - NEEDLE	14	L 117	1228 A 53	UB 1005	B 1055	219180
LOCK RING - ROLLER PIN	12	L 118				253395
PIN - ROLLER	12	L 119				253394
WASHER - FELT RETAINER	14	L 120	1229 J 868	UB 1017	B 1221	219179
WASHER - OIL SEAL FELT	18	L 121	1229 K 713	A 150035		
RETAINER - OIL SEAL FELT OUTER	18	L 122	1205 L 272	A 150036		
RETAINER - OIL SEAL FELT INNER	18	L 123	1205 K 271	A 150037		
ROLLER - 1 1/2" OD	11	L 124	1199 Z 910			
FELT - OIL SEAL	19	L 125	S X 265	A 150038		
FELT - OIL SEAL	14	L 126	S X 433	UB 1014	X6-561	219294
ROLLER - 1-3/4" OD	11	L 127	1199 A 911			
ROLLER - 1-3/8" OD	11	L 128	1199 A 937			
BUSHING - BRAKE SHOE	13	L 129	1225 A 183			
PIN - ANCHOR	9	L 130				244848
OIL SEAL - WHEEL BEARING	18	L 131	A1205 M 273			
OIL SEAL - WHEEL BEARING	18	L 132	A1205 X 336			
RETAINER - FELT	14	L 135	1205 W 205		B 1216	219178
BUSHING - BRAKE SHOE	13	L 136	1225 N 352			253396
LOCK RING - CAMSHAFT	20	L 137	1229 H 866 1229 Z 1118	UB 1019	B 1215	219160
PIN - ANCHOR	8	L 138	1259 B 28			
FELT - OIL SEAL	14	L 139	S X 191			219177
FELT - OIL SEAL	19	L 140	S X 418			
BEARING - NEEDLE	14	L 141				535017
PIN - ANCHOR ECCENTRIC	10	L 142				533975
BUSHING - BRAKE SHOE	13	L 143				532866
SET SCREW - ROLLER PIN	20	L 145	1199 B 626	6801		102570
PIN - ANCHOR	8	L 146				
BUSHING - BRAKE SHOE	13	L 147	15015			
ROLLER - BRAKE SHOE	11	L 148				
ROLLER & PIN - STEEL SHOE	11	L 149	1779 R 18			330733
PIN - ROLLER	12	L 150				
RETAINER - ROLLER & PIN	12	L 151	1718 Y 103			330734
PIN - ANCHOR	8	L 152	1759 M 13			330673
PIN - ANCHOR	8	L 153				
PIN - DOWEL	18	L 159				534591
OIL SEAL - WHEEL BEARING	18	L 160				77895
RETAINER - BEARING	19	L 161				258332
FELT - OIL SEAL	19	L 162				251519 530370
RETAINER - BEARING	19	L 163				530368
COLLAR - OIL SEAL	18	L 164				534996
SPACER - OIL SEAL	19	L 165				530869
BUSHING - NYLON	6	L 166	1225 N 378	1178	B 1581	515147

MANUFACTURERS PART NUMBERS

TRAILMOBILE	KINGHAM	GENERAL MOTORS	TWIN COACH	INTERNATIONAL	EATON	DIAMOND T	ACF BRILL	OTHERS
7-8-22				56109 RI				
	3023		2-106-58	62333 RI				
50-12-18	3005	127767						
7-27-3		2101126	4-108-54	56114 RI				
6-10-1			4-10-65					
6-8-2			4-10-64					
6-8-1			4-10-63					
		2250099						
6-9-1			4-10-62					NATIONAL 5 M 497
7-26-3	3006	2101125	4-108-53	56113 RI				
		2034977						
		2095075						
7-22-2		676897	3-106-51					
6-A8-1	3109 A							
6-A8-3								
7-18-4	3007	679530	3-2-17	56122 RI				
7-18-6 7-33-4	3027	2268864		56118 RI				
		315485					201435	
7-25-5								
6-8-3								NATIONAL 5 M 498
50-23K-40								
		2008564		56838 H	10385	36455F		WHITE 376069
		289321	4-106-51	56837H	10505	56035J	247243	WHITE 408790 FORD 8 QH 2358
		2284738		108937 RI	35337	16282 C		WHITE 818616
7-23-7								
		2284739		108938 RI	35338	16283C		WHITE 818617
7-18-8								
7-12-28		2295423						
		2250992		105856 H				WHITE 716758 FORD 8 QH 2333
								NATIONAL 5 M 853
7-6-17		2309474	4-108-65			56012 J		

INTERCHANGEABLE LIST

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MANUFACTURERS PART NUMBERS

APPLICATION	PAGE NO.	LELAND	TIMKEN	STANDARD	SHULER	FRUEHAUF
BUSHING - NYLON BRACKET	6	L 167	A3299 G 1547			515148
LOCK SCREW - ANCHOR PIN	20	L 168	S 265 D	6213	B 1213	254253 219297
LOCK NUT ASSEMBLY - ANCHOR PIN	17	L 169				534079
PIN - ROLLER	12	L 170				533980
ROLLER - BRAKE SHOE	11	L 171				533979
SPRING - RETURN	15	L 172				530135
CAMSHAFT - R.H.	4	L 173	A2210 M 2483	UB 5006 R	B 1283-6	219317
CAMSHAFT - L.H.	4	L 174	A2210 N 2484	UB 5006 L	B 1283-5	219316
SPIDER ASSEMBLY - BRAKE	3	L 175	A3211 A 833	UB 1088	B 1593-1	
NUT - SPINDLE - INNER	17	L 176	AT 6880	A1500328	F 940	
LOCK WASHER - SPINDLE NUT	17	L 177	T 3840	A150034	F 942	
NUT - SPINDLE - OUTER	17	L 178	T 3564	A150033	F 941	
SPRING - RETURN	15	L 179	2258 P 354			
LOCK - ANCHOR PIN	20	L 180	1229-D-108			
SEAL ASSEMBLY - FLANGE TYPE	19	L 188			F 990	
BUSHING - SUPPORT BRACKET	6	L 190		UB 1066	B 1146-3	
GREASE RETAINER - ASSEMBLY	18	L 191		A110016	F 802-1	
WASHER - SPACE .032 - 21 GA.	14	L 192	1229 Q 771	UB 5015		219292
WASHER - SPACE .060 - 16 GA.	14	L 193	1229 R 122		1216	219293
NUT - 1 1/2" AXLE	17	L 195			X-1-115	530088
BUSHING - BRAKE SHOE - FRONT	13	L 198	1225 Q 95			
SPRING - BRAKE SHOE - REAR	15	L 199				
SPIDER ASSEMBLY - BRAKE	3	L 200				61778
BALL BEARING	6	L 201				533368
WASHER - "D"	7	L 202	1229 E 837	UB 5014	B 1212 -1	219158
NUT - WHEEL SPINDLE	17	L 209	1227 H 34	130029		
WASHER - SPINDLE NUT	17	L 210	1229 G 709	130030		
WASHER - SPINDLE SPACE	17	L 211	1229 F 708	130031		
FELT - GREASE SEAL	19	L 220	5 X 482			
CAMSHAFT - R.H.	4	L 224	2210 U 2490			305681
CAMSHAFT - L.H.	4	L 225	2210 T 2491			305680
CAMSHAFT - R.H.	4	L 226				
CAMSHAFT - L.H.	4	L 227				
CAMSHAFT - R.H.	5	L 228				
CAMSHAFT - L.H.	5	L 229				
CAMSHAFT - R.H.	5	L 230				
CAMSHAFT - L.H.	5	L 231				
CAMSHAFT - R.H.	5	L 232	2210 P 2798			
CAMSHAFT - L.H.	5	L 233	2210 Q 2799			
CAMSHAFT - R.H.	5	L 234	2210 R 2488			
CAMSHAFT - L.H.	5	L 235	2210 S 2489			

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L-238 - L-247/10

MANUFACTURERS PART NUMBERS

	TRAILMOBILE	KINGHAM	GENERAL MOTORS	TWIN COACH	INTERNATIONAL	EATON	DIAMOND T	ACF BRILL	OTHERS
	7-6-18		2305192	4-198-1			46037 F		
	7-78-1	3011							
									KAY BRUNNER E 5786
	7-5-64	3024							
	7-5-63	3025							
	7-A1-3								
	6-3-7								
	6-5-8								FORD 7 EQ 1124
	6-4-2								
	7-8-1				62322 R 1				
			305579	3-2-52		10388	6 X 53F	201456	WHITE 408795
	6-A8-7	3110 A							
		3109 B							
	7-9-11								
	7-9-3								
		SFP 1948-113							
			2155620		58563 H	17947	16481 C		FORD 8 QH 2028 CLARK 704 E 2
			2217210		58019 R1	29577	46483 J	998726	WHITE 716759 FORD 8 QH 2036
									NICE 420-46
	7-9-1								
									NATIONAL 5 M 997
					85629 R 21	35433			
					85628 R 21	35434			
					109113 R 1	35456			
					109112 R1	35455			
					75812 HB	35439			
					76168 HB	35438			
					106212 R1				
					106211 R1				
					56110 R21				
					56111 R21				

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