



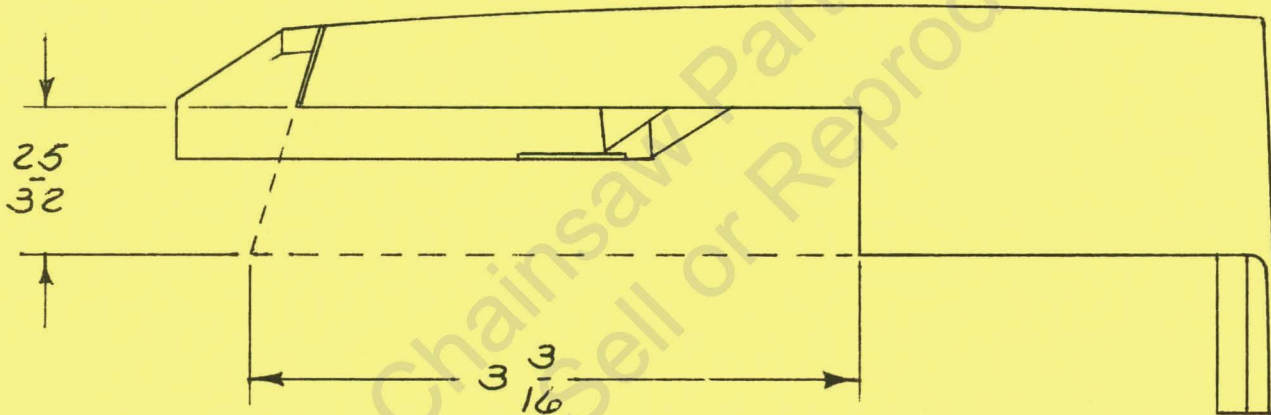
Distribution: List Nos. 5 & 8

TO: Homelite Branches and Chain Saw Dealers

SUBJECT: XL-12 Drive Case Cover Modification

DATE: 1/28/64

To provide clearance for the utility clearing or bow guide as used on XL-12, the drive case cover should be modified, as shown:



Covers modified as shown must be used with the following:

** A-52972	Utility Guide	Use A-52963	20" chain	69 links
* A-52994	Clearing Guide	Use A-52964	24" chain	81 links
* A-52971	Bow Guide	Use A-52964	24" chain	81 links

\*\* Available now.

\* Will be available by March 1st.

Please add this information to your parts lists.

*Robert S. Townsend*

Robert S. Townsend  
Ass't. Service Manager

Distribution: List Nos. 5 & 8



TO: All Branches and Chain Saw Dealers

SUBJECT: Chrome Plated Cylinder for 9-Series

DATE: 1/31/64

UNITS AFFECTED: 900D & G; 909D & G; 990D & G

We are now shipping cylinder P/N A-58289 (chrome plated) in place of cylinder P/N A-58306-1.

Please mark your records to indicate that P/N A-58289 supersedes

P/N A-58306-1 in all usage.

Robert S. Townsend  
Ass't. Service Manager

dm





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BRANCH SERVICE MEMO NO. 479-CS

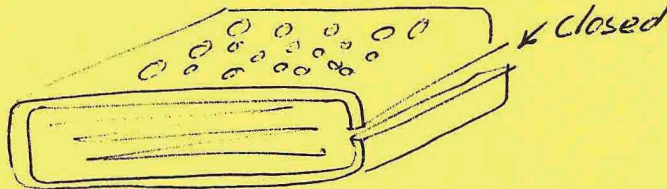
DEALER SERVICE MEMO NO. 218

Distribution: List Nos. 5 & 8

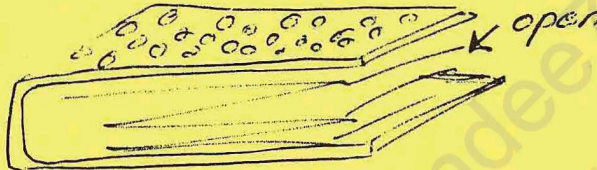
TO: Branches and Chain Saw Dealers

SUBJECT: Muffler Element A-56068-A

DATE: 2/14/64



A-56068-A  
Use this one.



A-56068  
Do not use.

It has just come to our attention, that a number of A-56068 Muffler elements were used in Model 770 Chain Saws. Failure of the perforated retainer has ruined several engines.

Please inspect Model 770 saws under your control. Discard any A-56068 elements.

Use only A-56068-A with the folded over edge to help prevent expensive repairs.

  
Walter N. Herold  
Service Manager

dm



BRANCH SERVICE MEMO NO. 480-CS

DEALER SERVICE MEMO NO. 219

Distribution: List Nos. 5 & 8

TO: All Branches and Chain Saw Dealers

SUBJECT: Parts Changes XL-12 Parts List

DATE: 2/20/64

Please make the following changes on Page 5 of the XL-12 Parts List (No. 23755):

<u>Index No.</u>		<u>Change To</u>
7	81068	Nut - hex, <u>12-24</u>
8	83056	Washer - lock, <u>#12</u>
13	80867	Screw - flat hd., <u>12-24</u> x 3/4
36	80899	Screw - hex hd., 12-24 x <u>9/16</u>

Walter N. Herold  
Service Manager

dm





BRANCH SERVICE MEMO NO. 481-CS

DEALER SERVICE MEMO NO. 220

Distribution: List Nos. 5 & 8

TO: All Branches and Chain Saw Dealers

SUBJECT: Nylon Bushing P/N 59064, for Throttle Lock

DATE: 3/3/64

UNITS AFFECTED: All C-Series Saws  
All XL-Saws

A Nylon Bushing, Part Number 59064, has been added to C-series and XL Chain Saws.

In the C-Saws the bushing has been added to the carburetor chamber A58931-1 and there is no change in part number, because the chamber is already an assembly (including the pump rod bushings).

In the XL-Saws the bushing has been added to the grip cover which now becomes an assembly, Part No. A59213. This new number supersedes 58779 (Item 29, Page 4 of the XL-12 parts book).

Please mark your parts lists accordingly.

A handwritten signature in black ink, appearing to read "Walter N. Herold".

Walter N. Herold  
Service Manager

dm



BRANCH SERVICE MEMO NO. 483-CS

DEALER SERVICE MEMO NO. 221

Distribution: List Nos. 5 & 8

TO: All Branches and Chain Saw Dealers

SUBJECT: New Oil Pump Plunger P/N A-57834-8  
New Plunger Spring P/N 59293

DATE: 3/25/64

A "solid" oil pump plunger, P/N A-57834-8 will be supplied after the present stock of P/N A-57834-5 is used up.

The solid plunger decreases the air space in the plunger bore which makes the pump prime faster.

Part No. 74388, O-ring is included with A-57834-8, but a new plunger spring P/N 59293 must be ordered separately.

Also, order little O-ring P/N 59074, now used on all XL's to apply friction to the shaft to keep it from spinning.

Please mark your Parts Lists as follows:

A57834-5 Plunger -- use up; then use A57834-8

71762 Spring -- used with A57834-5

59293 Spring -- used with A57834-8

59074 O-ring -- used on XL oil pump plunger shaft.

Walter N. Herold  
Service Manager

dm





BRANCH SERVICE MEMO NO. 483a-CS

DEALER SERVICE MEMO NO. 221a

Distribution: List Nos. 5 & 8

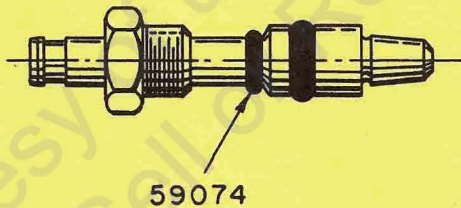
TO: All Branches and Chain Saw Dealers

SUBJECT: Plunger Assembly - for Chain Oil Pumps

DATE: 3/15/65


Plunger Assembly A-57834-10 supersedes A-57834-8.

O-ring P/N 59074 which is already in use on the Plunger Shaft of XL oilers is now added in all usage to prevent rotation of the plunger shaft.



Now used on all manual oilers

Since O-ring #59074 is available as a separate item we suggest that you add one to each A-57834-8 in your stock and then restock the assemblies under A-57834-10.

  
Walter N. Herold  
Service Manager

dm



Distribution: List Nos. 5 & 8

TO: All Branches and Chain Saw Dealers

SUBJECT: XL Magnetos

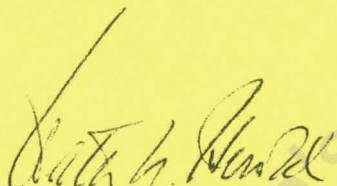
DATE: 3/25/64

A flat washer (Part No. 28028) and a hair pin clip (Part No. 28008) have been added to the XL magnetos to limit breaker arm travel on the post.

When servicing points, use care to align the points so that they mate properly. Also, do not overbend the breaker arm spring or you will reduce spring tension and the points may not close properly.

Add to XL Parts Lists:

Breaker Arm Washer	#28028
Breaker Arm Hair Pin	#28008

  
Walter N. Herold  
Service Manager

dm





Distribution: List Nos. 5 & 8

TO: All Branches and Chain Saw Dealers

SUBJECT: Governor Bracket  
770 Gear Saws, Super Wiz, EBC Brushcutter

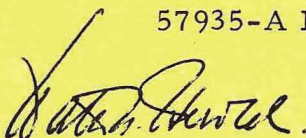
DATE: 5/7/64

Governor Bracket A59070 supersedes 57935-A.

The new bracket has a brass eyelet assembled to the hole for the governor spring. The sharp corner in the throttle lever - for the other end of the spring - has also been removed: Tillotson is now countersinking these holes. With these changes, governor springs last longer.

Please mark your parts lists:

57935-A Bracket superseded by A59070.

  
Walter N. Herold  
Service Manager

dm



BRANCH SERVICE MEMO NO. 489-CS

DEALER SERVICE MEMO NO. 225

Distribution: List Nos. 5 & 8

TO: All Branches and Chain Saw Dealers

SUBJECT: Terminal and Cover Assembly (Sparky)  
A55373-A supersedes A55373

DATE: 5/8/64

A new cover is now used on all saws using 5 millimeter hi-tension lead.

The new cover is 1/4" longer. This increases the length of the leakage path to ground and makes more voltage available for starting and running.

Order A55373-A from now on.

Walter N. Herold  
Service Manager

dm

Courtesy of member70ss  
Do Not Sell or Reproduce





Distribution: List Nos. 5 & 8

TO: All Branches and Chain Saw Dealers

SUBJECT: Crankshafts for 770 Gear Saws

DATE: 5/8/64

Counterweights of rolled brass - instead of steel - are now used on all new crankshafts for the 770 gear drive saws.

The added weight of the brass matches the new, heavier connecting rods for best engine balance.

Please mark your parts lists as follows:

After present stock is used up

A58204-B	Crankshaft supersedes	A58204-A
A58890-B	Crankshaft supersedes	A58890-A
A58892-B	Crankshaft supersedes	A58892-A

Walter N. Herold  
Service Manager

dm





**HOMELITE**

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BRANCH SERVICE MEMO NO. 493-CS

DEALER SERVICE MEMO NO. 227

Distribution: List Nos. 5 & 8

TO: All Branches and Chain Saw Dealers

SUBJECT: XL-12 Seals, Shafts, Gaskets

DATE: 5/13/64

The changes listed below are now in effect for all Model XL engines.

- I Seal 58688-A supersedes 58688
- II Gasket 59538 is added between stator box and crankcase.
- III Shaft finish in the seal area conforms to new specifications.
- IV Shaft hardness in the cam area has been increased.

Here are the details:

- I The new 58688-A Seals are made of Viton and with more material to provide better sealing. The spring for the seal is identified with yellow Dykem to make it easy to tell new seals from old ones. Old seals may be used up on the clutch side of saws.
- II Gasket 59538 prevents spilled fuel or other moisture on the outside from seeping into the stator box. The gasket may be added to existing units.
- III A special polished area - produced in a special fixture - is called for and produced on each shaft. The shafts are properly protected after finishing.

CAUTION

The shaft finish must not be marred. Shafts and assembly tools must be handled carefully to avoid all nicks or scratches in the seal area of the shafts.

- IV Greater hardness in the cam area of the shafts prevents premature wear -- keeps point gap close to the original setting.

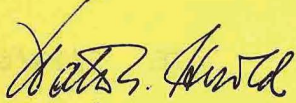
SUMMARY:

The new Seal, all by itself, will do much to prevent seepage into the breaker box, unless the crankshaft is badly nicked or scratched; complete crankshaft replacement should rarely be necessary.

(over)



The Viton material in the new seal has better heat resistance than the Buna-N in the old seal --- and the greater amount of Viton serves to increase the effective tension on the seal lip and also tends to prevent the formation of gaps through which seepage could occur.



Walter N. Herold  
Service Manager

dm

Courtesy of undee70ss  
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**HOMELITE**

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**BRANCH SERVICE MEMO NO. 497-CS**

DEALER SERVICE MEMO NO. 230

Distribution: List Nos. 5 & 8

TO: Homelite Branches and Chain Saw Dealers

SUBJECT: Accessory Muffler for XL Chain Saws

DATE: 5/28/64

A "quiet" muffler, similar to the one for C-7 and C-9 saws, is now available for all XL saws.

We can ship it as an assembly under Homelite P/N A-59052.

A-59052 Muffler Assembly is composed of

A-59049	Muffler Body . . . . .	1
59050	Baffle Plate . . . . .	1
59065	Stud (Body & Baffle to Cylinder). .	2
59051	Muffler Cap . . . . .	1
80825	Screw (Cap to Studs) . . . . .	2

Before you install the new muffler, cut 7/8" off the hi-tension lead. Press it well back and crimp the lead clamp to hold the lead away from the muffler.

Please add to XL-12 Parts List:

"Quiet" Muffler Assembly - A-59052

*Walter N. Herold*

Walter N. Herold  
Service Manager

dm





Distribution: List Nos. 5 & 8

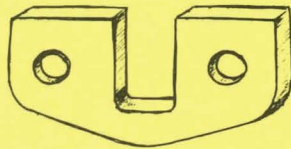
TO: All Branches and Chain Saw Dealers

SUBJECT: Gear Drive Saw Service

DATE: 6/17/64

- I Fuel Tank Mounting Parts
- II Throttle Handle Straps

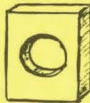
I a. The new parts used on the 775-G, late Wiz and Super Wiz saws, may also be used to service older models to improve fuel tank stability:



Part No. 59347 strap

This part is used to reinforce the bottom mounting.

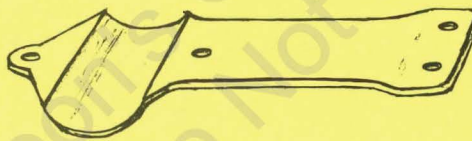
b.



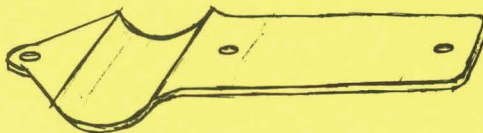
Part No. 59348 heat treated washer

This part is used to reinforce the top mounting.

II



Part No. 58549-A Strap  
used in production and to service  
units with two holes in the throttle  
handle.



Part No. 58549 Strap  
to service older units and units  
with one hole in handle.

*Walter N. Herold*  
Walter N. Herold  
Service Manager



**HOMELITE**

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BRANCH SERVICE MEMO NO. 499-CS

DEALER SERVICE MEMO NO. 232

Distribution: List Nos. 5 & 8

TO: Homelite Branches and Chain Saw Dealers

SUBJECT: Corrections in 775D Parts List #23798 and  
775G Parts List #23799

DATE: 6/24/64

775D Parts List corrections:

Page 7

Figure 6                      Remove #23131 Tool                      Use #A-23696 Tool for threaded  
spider

775G Parts List corrections:

Page 5

Add #58549-A                      BRACE (shown above #34, Fig. #4)

Page 7

Index #5                      change to                      #57365-3                      CYLINDER

*Walter N. Herold*

Walter N. Herold  
Service Manager

dm





BRANCH SERVICE MEMO NO. 500-CS

DEALER SERVICE MEMO NO. 233

Distribution: List Nos. 5 & 8

TO: All Branches and Chain Saw Dealers

SUBJECT: Air Filter Gasket

DATE: 7/1/64

UNITS AFFECTED: All "C" and "XL" Saws

To improve adhesion, we are discontinuing the use of "pre-coated" gaskets.

Instead, each gasket will be cemented to the carburetor chamber with 3M cement.

For field service, we stock 3M cement in 5 ounce tubes -- order Homelite Part No. 22788.

Surfaces to be cemented must be dry. Old gaskets may be used up by cementing the precoated side down onto the carburetor chamber.

Walter N. Herold  
Service Manager

las



BRANCH SERVICE MEMO NO. 500a-CS

DEALER SERVICE MEMO NO. 233a

Distribution: List Nos. 5 & 8

TO: All Branches and Chain Saw Dealers

SUBJECT: Air Filter Gasket Installation

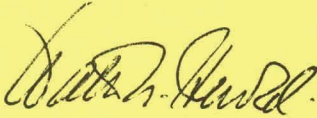
DATE: 3/10/65

UNITS AFFECTED: 707, 770 and 775 D and G Chain Saws

Precoated air filter gaskets for the saws listed above will be discontinued after existing stock is used up.

Gasket P/N's 57992 and 57993 will now be cemented to the tanks with 3M cement, just as is already our practice on C and XL engines.

You may also use Homelite #22788 cement on the present gaskets to get a fuel-proof bond from gasket to tank.

  
Walter N. Herold  
Service Manager

dm





Distribution: List Nos. 5 &amp; 8

TO: All Branches and Dealers

SUBJECT: Dust Shields for Recoil Starters

DATE: 8/24/64

UNITS AFFECTED: XL Chain Saws and XL Circular Saw

A number of product improvements are being added to the XL - Engine Starters. These improvements are designed to

1. Keep sawdust out of the spring housing.
  2. Achieve most quiet starter operation.
  3. Eliminate snagging of the starter rope.
1. Two plastic dust shields (Part No. 59638-A inner shield and Part No. 59639-A outer shield) are now installed, one on each side of the recoil spring. To get the best seal, the spring housing must contain a certain amount of grease:

We use about 1/2 teaspoonful of Texaco Unitemp Grease to coat both sides of the recoil spring and the starter pulley post. \*

2. In addition to forming a seal to keep the spring clean, the grease acts as a cushion on the pulley post for quiet starter operation.
3. A pin will be added to all XL fan housings. This pin acts as a rope-stop and prevents the "whip" which was responsible for some ropes jumping the groove and getting cut.

\* NOTE:

On the first few units we assembled, we had selected a rather tight fit for the dust shields where they go over the shoulder on the pulley post. As a result, there was some "buckling" of the shields; and this, together with too much grease can cause sluggish rewind because the excess grease tries to form a bond between the underside of the pulley and the adjacent shim. To guard against this, all shims now have a little more clearance; and a notch, to locate the spring anchor pin, is provided on the outer rim. In addition, the underside of the starter pulleys will be "under cut" to increase the shim-to-pulley clearance.

(OVER)



Please note in all XL parts lists:

Shield, inner	59638-A
Shield, outer	59639-A

May be added to all XL units except those which use separate starter pulley bushing #58761.

*Walter N. Herold*  
 Walter N. Herold  
 Service Manager

dm

Leon's Chainsaw Parts & Repair  
 Do Not Sell or Reproduce





Distribution: List Nos. 5 &amp; 8

TO: All Branches and Chain Saw Dealers

SUBJECT: New Reed Valve Adapter P/N 55932-6

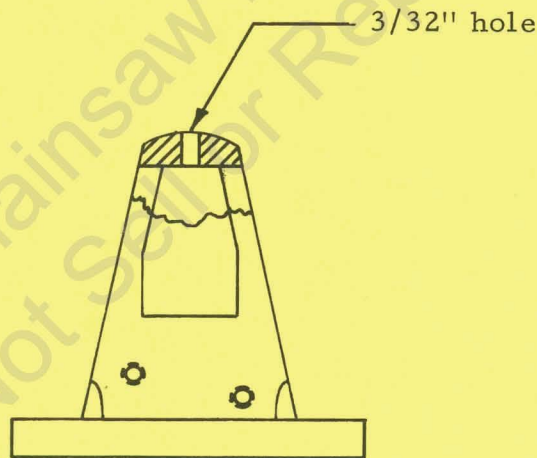
DATE: 9/18/64

UNITS AFFECTED: C-91 Production  
C-9 and C-91 Service

Starting with Serial Number 1708723, Model C-91 chain saws are equipped with a new reed valve adapter P/N 55932-6.

The new adapter differs from the standard piece in only one respect:

A 3/32" hole is drilled through the apex (tip) of the pyramid as shown in the cross-section sketch here:



The change was made to improve carburetor adjustment characteristics. C-9 and C-91 saws with serial numbers below 1708723 may be modified by drilling the 3/32" hole as shown. Other pyramid reed units are not affected.

In your C-series parts list #23808 please change item 14 on page 4 from P/N 55932 to P/N 55932-6.

Walter N. Herold  
Service Manager

dm



Distribution: List Nos. 5 & 8

TO: All Branches and Chain Saw Dealers

SUBJECT: Chain Drive Sprocket and Drum Assemblies

DATE: 10/27/64

UNITS AFFECTED: XL Direct Drive Saws

The "needle bearing" Sprocket and Drum which is standard equipment on the Super XL-12 will now be used on the XL-12 also.

Starting with Serial Number 1735838, XL-12's are factory equipped with the needle bearing sprocket.

Units which were built with the bronze bushing sprocket can be equipped with the needle bearing assembly provided the matching inner race, P/N 55584 is also installed.

Please mark items #28, 29 and 30 on Page 5 of your XL-12 Parts List as follows:

	#28	Sprocket & Drum	use	A-59552
Includes	#29	Bearing - <u>needle</u>		72311
Needs	#30	Race - inner		55584

Bearing Assembly Tool #23760 is the proper tool for installing needle bearing #72311 when the need arises.

Old parts will not be supplied after present stock is used up.

  
Walter N. Herold  
Service Manager

dm



Distribution: List Nos. 5, 8 & 9



TO: All Branches and Dealers

SUBJECT: Platinum Tipped "Shorty" Plugs P/N 59558-S  
 Fits all XL Engines

DATE: 10/28/64

Shorty Spark Plugs with Platinum Center Electrodes and an Auxiliary Spark Gap are now available from Homelite.

In construction and performance, these extra long lived plugs are similar to the HO plugs for our other units.

1. The platinum tip resists burning because of the high temperatures it will stand.
2. The tip is small and reaches high temperatures to resist fouling.
3. The built-in spark gap assures high voltage at the firing point for easiest starting.

The premium performance of this new plug more than outweighs its higher first cost.

Order your Spark Plugs now.

..... Display them in your store.

..... Explain why they work so well.

..... Sell lots of them.

Ask for Part Number 59558-S.

*Walter N. Herold*  
 Walter N. Herold  
 Service Manager

Distribution: List Nos. 3, 8 &amp; 9



TO: Homelite Branches, Chain Saw Dealers and C/E Dealers

SUBJECT: Alternate Ignition for XL Engines

DATE: 11/18/64

XL Engines will soon be assembled using either the Wico magneto, with which you are familiar, or a new Phelon magneto.

Those units which use the Phelon magneto will be identified by the letter "P" stamped after the serial number.

Attached are four parts list inserts (cut along dotted lines) for your XL-12 parts book, the XL-15, the Super XL-12 and the XL-100.

Please insert these supplements between pages 2 and 3 of these parts books and use the proper listing to order parts.

*Walter N. Herold*  
Walter N. Herold  
Service Manager

dm

P. S. XL engines with governors -- brushcutters, etc. -- will continue to use Wico magnetos only at this time.





BRANCH SERVICE MEMO NO. 515-CS

DEALER SERVICE MEMO NO. 240

Distribution: List Nos. 5, 8 & 9

TO: All Branches and Dealers

SUBJECT: Coil Retaining Clip

DATE: 11/24/64

UNITS AFFECTED: All XL engine driven equipment with Wico Magneto

We have had several requests for the coil retaining clip, P/N 58873. This number was not included on the original parts list.

Please add this part number to all XL parts lists on the page showing Wico Ignition. Order parts as required.

Robert S. Townsend  
Ass't. Service Manager

dm

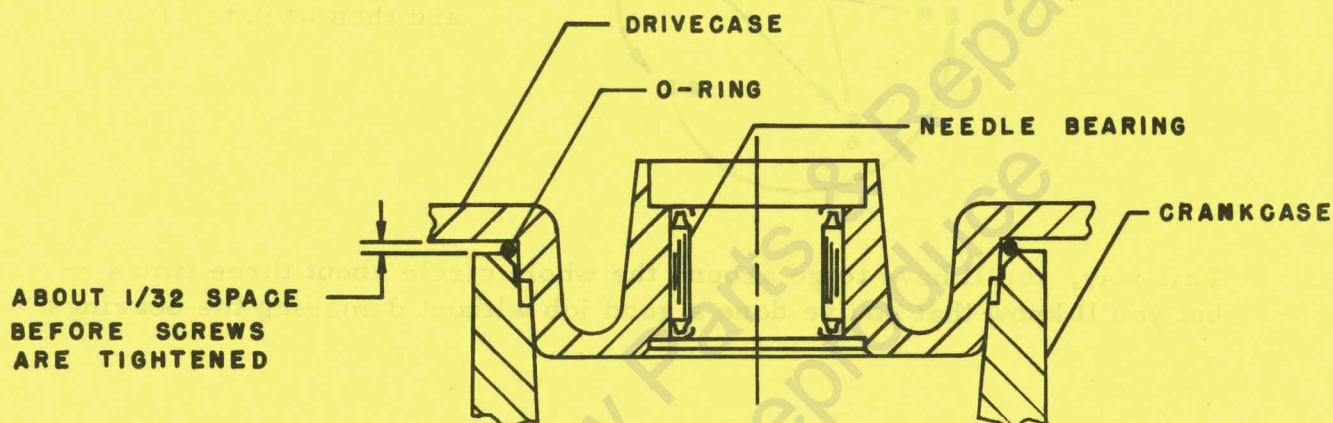


Distribution: Lists 5, 8, and 9

TO: All Homelite Branches and Dealers

SUBJECT: Service of C and XL engines

DATE:



There is about 1/32" clearance between the crankcase and drive case faces on C's and XL's before the five screws are tightened. During final assembly, the O-ring is compressed and provides a positive seal between the two parts; the two faces are then in metal to metal contact.

IT IS EXTREMELY IMPORTANT that the screws be pulled down evenly -- because -- if you tighten one screw completely, instead of going evenly around the register, you "cock" the drive case and damage the needle bearing and possibly the crankshaft, too.

The right way to tighten the screws is as follows:

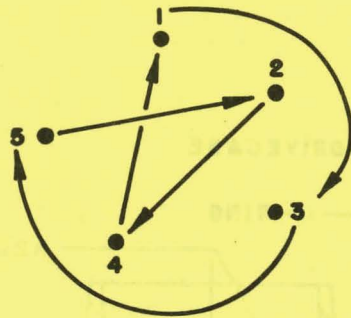
Take all of them down until they are just fingertight.

Then tighten one screw (any of the five) one quarter turn or less. \*

(Over)



Follow around according to this pattern, so that you take up,



a little at a time, on  
screws 1, 3, 5, 2, 4,  
and then back to #1

This way, you'll have to go around the whole circle about three times --  
but you'll know that you've done a good job without damaging the bearings.

Walter N. Herold  
Service Manager

las

\* Never tighten any screw so much that the crankshaft binds in the needle bearing.



BRANCH SERVICE MEMO NO. 517-CS

DEALER SERVICE MEMO NO. 242

Distribution: Lists 5, and 8

TO: All Branches and Chain Saw Dealers

SUBJECT: FORMICA Thrust Washer, Part No. 59929  
replaces steel.

DATE: 11/27/64

UNITS AFFECTED: All C Planetary Drives

The steel thrustwasher between the clutch spider and the clutch drum is no longer used for C-Gear Saws. Instead we now supply a formica washer, Homelite part number 59929.

Please order enough Washers, #59929 to add one to each C-Planetary Kit you stock. (We will package one with each Kit in our stock).

Also, please make Washer #59929 available to those customers who are using C-Gear Saws.

Walter N. Herold  
Service Manager

las

P. S. Steel thrustwasher # 55660-1 stays in use for Direct Drive C-Saws.





Distribution: List Nos. 5 &amp; 11

TO: All Homelite Branches and Mower Dealers

SUBJECT: Additions and Corrections to YTD-5 Parts List (23824) DATE: 12/3/64

The following additions, deletions or corrections should be made to Parts List #23824 - YTD-5 - as soon as possible.

Page 3 - Index #10  
Change 66021 to 66021-A

Index #12  
Delete #66531 - add #A-66533 Wheel Tire & Tube

Page 4 - Add new part (not illustrated) A-66535 Belt Keeper. This part is fastened to engine mount with engine mounting bolts. The belt keeper is designed to disengage the belt from the pulley sheave when the belt is in the blade stop position.

Page 6 - Index #6  
Delete #66528 - add #A-66530 Wheel Tire & Tube

Page 7 - Correct the indexing of the illustration as follows: Under Index #54 there is an arrow pointing to the upper bushing with no index number -- insert #55 - change printed index numbers 55 to 56, 56 to 57 and 57 to 58. The parts list section on lower half of page will now agree with parts illustrated.

As a result of changes being made in Clutch Lever, to increase leverage, the following changes and deletions are made.

Page 2 - Index #23 - change number required from 8 to 7.  
Index #36 - change number required from 5 to 4.  
Index #37 - delete - no longer required.  
Index #38 - delete - no longer required.

Page 5 - Index #16 - change A-66486 to A-66486-A Clutch Lever.

Robert S. Townsend  
Ass't. Service Manager



**HOMELITE**

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BRANCH SERVICE MEMO NO. 522-CS

DEALER SERVICE MEMO NO. 245

Distribution: List Nos. 5 & 8

TO: All Branches and Chain Saw Dealers

SUBJECT: Correction of Part Number

DATE: 12/18/64

Parts List #23832 for the C-series Automatic Oiler Kits requires a correction.

On the side with the exploded view, please change the part number for the 7 tooth, .404 kit from A-59571 to A-59671.

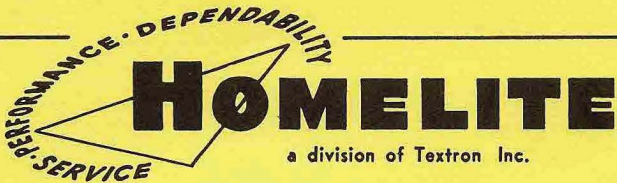
The correct part number is listed on the other side where we give installation instructions.

Part #59571 (without the A in front) is actually a 1/16 pipe plug.

Walter N. Herold  
Service Manager

dm





Distribution: List Nos. 5, 8 &amp; 9

TO: All Branches and Dealers

SUBJECT: Fuel Filler Cap Assembly A-59956  
supersedes A-58368-A

DATE: 12/21/64

UNITS AFFECTED: All XL Chain Saws, XL Circular Saws  
All C Chain Saws, XLS1-1/2 service

A new fuel filler cap #A-59956 supersedes A-58368-A in the categories listed above.

The new cap includes a cup shaped guard over the two vent holes. Some guards are held in place with a #6-32 x 3/16" long pan head screw; later assemblies will be secured with a rivet. Both assemblies may be used interchangeably -- both carry the same part number, A-59956.

Please note this part number change in the affected parts lists.

Walter N. Herold  
Service Manager

dm



Distribution: List Nos. 5, 8, 9, 11  
and 14

TO: All Branches and Dealers

SUBJECT: Engine Starting

DATE: 12/30/64

Every year, as winter comes and temperatures begin to drop, we get some reports of Hard Starting.

In response to the weather, oil companies, too, change their fuel several times a year to match the seasons. Gas stations now sell "Winter Fuel".

The fuel has to get "pulled" into the engine, of course, and here is an important point!

Chain Saws use a fuel cap valve. When the saw is shut down, the fuel and whatever air is in the tank cool off and, as a result, a vacuum may be built up inside the tank. As soon as you loosen or remove the fuel cap, this vacuum is relieved and it's easier to pump fuel out of the tank.

If the fuel cap has clogged vents, either from pitch or sawdust, or melted snow which later froze, the tank isn't vented and, again, you can't pump fuel under those conditions either.

SO REMEMBER TO CHECK FUEL CAPS -- LOOSEN THEM TO RELIEVE TANK VACUUM.

Then follow starting instructions precisely:

Switch ----- "ON"  
Throttle ----- "OPEN"  
Choke ----- "FULL"

Crank, briskly, until the engine fires. It shouldn't take more than five to seven good pulls. Once the engine "pops" don't keep the choke on for more than one more pull - you may flood the engine if you do. Move choke to half open and the engine should start.

But remember, when it's cold, engines and starters are usually stiffer, somewhat slower cranking. That means lower ignition voltage. So do make sure that everything else is "up to snuff".

Make sure you have a good spark plug. Check spark!

You need a good blue spark -- one that jumps a quarter of an inch, one you can hear ---.

Make sure the points are clean. Make sure engine seals don't leak.

Make sure starters are in good shape.

We should also mention such things as dirty filters, wrong adjustments, poor compression, plugged ports. These are things which normal maintenance ought to fix. If they exist, you have to correct them before you can expect good starts.

Walter N. Herold, Service Manager