PERFORMANCE · DEPENDABILITY · SERVICE

HOMELITE

a division of Textron Inc.

BRANCH SERVICE MEMO NO. 623CS

DEALER SERVICE MEMO NO. 328

TO: Homelite Branches and Chain Saw Dealers

SUBJECT: Gaskets

DATE: 1/11/67

Units Affected: XL-700, 800 and 850

One piece cylinder and throttle handle gasket Part No. 63223 is no longer supplied.

Instead, we will supply:

Cylinder Gasket	and	Part No. 63778
Throttle Handle Gasket		Part No. 63779

An extended lip on the #63779 gaskets helps keep rain, melting snow, etc. from the air filter.

Please mark your parts records as follows:

One piece gasket #63223 no longer supplied

order #63778 and 63779.

Walter N. Herold
Service Manager

edh

PERFORMANCE · DEPENDABILITY · SERVICE

HOMELITE

a division of Textron Inc.

BRANCH SERVICE MEMO NO. 624CS

DEALER SERVICE MEMO NO. 329

TO: All Branches and Chain Saw Dealers

SUBJECT: Drive Gear and Drum Assemblies **DATE:** 1/19/67

Units Affected: Wiz 55, Super Wiz 66, Super 77 and Service Parts

As soon as existing stock is used up we will supply new Drive Gear and Drum Assemblies which have a stainless steel hobbed gear - instead of the powered metal gear used in the past.

These new assemblies must be used together with new thrust washers (9/16" ID, 31/32" OD, 1/16" thick).

To make sure that the correct parts go together we will ship two thrust washers with each of the new gear and drum assemblies.

For the Wiz 55 and Super Wiz 66 Order:	A-64286
For the Super 77 Order:	A-64287
These numbers include two washers Part No.	64282

The above parts may also be used to service older units after A-56849 and A-58260 are used up.

Walter N. Herold
Service Manager

edh

PERFORMANCE · DEPENDABILITY · SERVICE

HOMELITE

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BRANCH SERVICE MEMO NO. 625CS

DEALER SERVICE MEMO NO. 330

TO: All Branches and Chain Saw Dealers

SUBJECT: Spring Shield (outer) for Recoil Spring DATE: 1/19/67

Units Affected: XL-700, XL-800 and XL-850

Spring Shield 63565-A supersedes 63565.

The new shield has a revised Locking Tab. With this revision the #4-40 screw is no longer needed.

Starter Housings will not be tapped for this 4-40 screw in the future. Part No. A-63330-2 housing reverts to A-63330-1.

Walter N. Herold
Service Manager

edh

HOMELITE
a division of Textron Inc.

PERFORMANCE · DEPENDABILITY · SERVICE

BRANCH SERVICE MEMO NO. 626CS

DEALER SERVICE MEMO NO. 331

TO: All Branches and Dealers

SUBJECT: Starter Stud

DATE: 1/19/67

Units Affected: All XL Engines

Stud Part No. 58757-B supersedes 58757-A.

The new studs have a slightly longer pilot diameter to make sure that the starter screen is properly registered.

A counterbored nut, Part No. 81109-2 must be used on the new studs. Nut Part No. 81109 (without the counterbore) is deleted from our stock since the counterbored nut may be used for all applications where a 10-32 lock nut is called for.

Please mark your parts records as follows:

58757-A	Stud	use	58757-B
81109	Nut	use	81109-2

Walter N. Herold
Service Manager

edh

HOMELITE
a division of Textron Inc.

PERFORMANCE · DEPENDABILITY · SERVICE

BRANCH SERVICE MEMO NO. 627CS

DEALER SERVICE MEMO NO. 332

TO: All Branches and Chain Saw Dealers

SUBJECT: Sprocket Bearing, caged DATE: 1/19/67

Units Affected: XL-800 and XL-850 Chain Saws

With the chain drive sprocket mounted "inboard" as it is on the XL-800 and XL-850, the sprocket bearing is regreased less often than when the sprocket is mounted on the outside. For this reason we have been searching for a bearing which could be used longer before it's necessary to clean it out and regrease it. We have found such a bearing and it is now in use.

The bearing is a caged needle bearing and, because of its new size, requires a different inner race; and the sprocket itself must also be bored to a new dimension.

Four different assemblies are available -- here are the part numbers -

3/8" Pitch	seven tooth	A-64368
.404" Pitch	seven tooth	A-64369
3/8" Pitch	eight tooth	A-64370
.404" Pitch	eight tooth	A-64371

Each of the above part numbers includes the new bearing Part No. 64124 and the new inner race Part No. 64129.

Separate bearings or races may be ordered for stock - and we will also continue to carry the old bearings (Part No. 77442) and old races (Part No. 63588) for some time to come.

Walter N. Herold
Service Manager

e dh

HOMELITE
a division of Textron Inc.

BRANCH SERVICE MEMO NO. 628

DEALER SERVICE MEMO NO. 33

TO: All Branches & 2-Cycle Construction Equipment Dealers

SUBJECT: 251 Solid State Magneto **DATE:** 2/3/67

We are quite aware of the problems you have experienced with the latest concept in small engine ignition systems. Through your cooperation we have been able to trace these problems quickly, by replacing the complete magneto system on failed units and sending the failed components to our vendor for examination.

Ignition coils were responsible for the majority of failures. These coils failed due to a manufacturing process. The manufacturing process has been corrected and we are only using coils of the latest manufacture. These coils are identified by -B after the Wico part number on the coil.

We strongly recommend changing all coils in units shipped from Greer prior to December 23, 1966.

Some failures have been traced to faulty switches which were of an early type. There are still a few of these switches in units which are still subject to failure. Unfortunately there is no way to identify these switches from the outside.

We will no longer replace complete magnetos on 251 engines. Attached is a set of instructions with 251 magneto test information. With this sheet you can determine which component is faulty and replace as required. We still want to examine all failed components as quickly as possible, therefore, please send them immediately to the Service Department, Port Chester.

You may order components from Service Parts in the usual manner with the following part numbers:

54421	coil only	80022	Screw, ground
54422	core for coil	54265	magneto cover (contains GCS & condenser)
54423	retaining clip for coil		
AA-30285	High Tension Lead with sparky	54267-A	Rotor (supersedes 54267)

Robert S. Townsend

Robert S. Townsend
Ass't Service Manager

edh
Attach.

251 ENGINE
BREAKERLESS MAGNETO
TEST PROCEDURES

Instruments Required:
Volt - ohmmeter
Ignition Coil and Condenser Tester

1. Connect the spark plug lead to a test spark plug and crank the engine to check for magneto output. If there is no output, remove the starter cover.
2. Visual Inspection
   a. Inspect the rotor for physical damage.
   b. Inspect the magneto for broken or frayed wires.
   c. Check for a short between the coil core and the stop switch lead, or a grounded stop switch.
   d. Check for a short between the knife terminals connecting the trigger coil lead to the lead from the switch box. All leads should be dressed as shown in Figure 1.

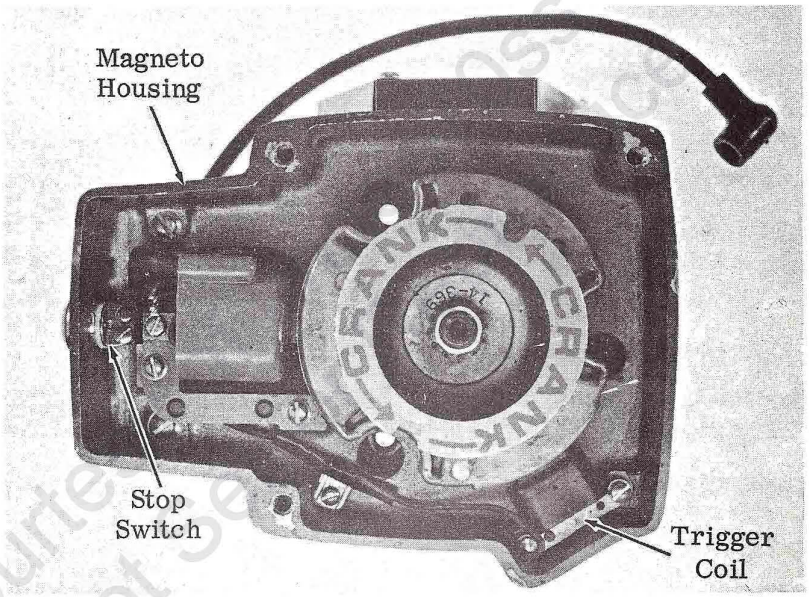

Figure 1

3. Ignition Coil Testing
   a. Disconnect the flag terminal connecting the switch box lead to the coil primary terminal.
   b. With the primary lead disconnected, test the coil as described in the test instrument instructions.

Tester Readings

For The Graham Model 51		For The Merc-o-Tronic	
Maximum Secondary	10,000	Operating Amperage	1.3
Maximum Primary	1.7	Primary Resistance	
Coil Index	65	Minimum	.6
Minimum Coil Test	20	Maximum	.7
Maximum Gap Index	65	Secondary Continuity	
		Minimum	50
		Maximum	60

c. If the ignition coil is faulty, replace it with the correct coil. DO NOT substitute.

4. Switch Box Testing (Figure 2)
   a. The switch box lead must remain disconnected from the coil primary terminal and must be above ground (not touching any metal parts) during all testing.
   b. Remove the magneto cover from the magneto housing, and position as shown in Figure 2.
   c. Disconnect the switch box ground lead by removing the condenser mounting screw, then hold the condenser above ground with a piece of insulating material.
   d. Perform the following tests with an ohmmeter by connecting:

Positive Meter Lead to	Negative Meter Lead to	Meter Reading
Switch box flag terminal	Switch box ground lead	1 megohm - infinity
Switch box ground lead	Switch box flag terminal	5 - 25 ohms

CAUTION

Some ohmmeters may be wired to give indications opposite to those listed in the test instructions; simply reverse the lead connections at the meter, then follow the procedure.

   e. Replace the magneto cover assembly if the switch box does not test within these limits.
   f. When installing a new magneto cover, use "Loctite" on the two mounting screws. Be sure to connect the switch box lead to the lead from the trigger coil.

5. Trigger Coil Testing (Figure 2)
   a. It is not necessary to disconnect the switch box lead from the trigger coil lead for testing. Connect an ohmmeter as follows:

Positive Meter Lead to	Negative Meter Lead to	Meter Reading
Switch box-trigger coil lead knife terminals	Ground (back plate)	22 - 24 ohms
Ground (back plate)	Switch box-trigger coil lead knife terminals	22 - 24 ohms

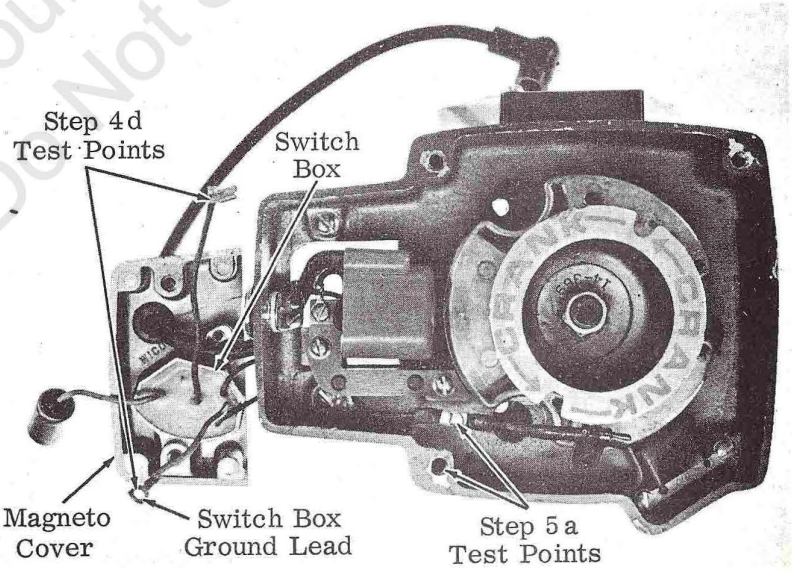

Figure 2

b. If the trigger coil is faulty, replace it.

6. Condenser Testing
   During all tests, the condenser must be insulated from all metal parts, and the switch box ground lead must remain disconnected and above ground.
   a. Push a straight pin through the condenser lead to provide a contact point since there is no terminal.
   b. Use the standard condenser test procedure to check for series resistance, short, and capacitance (.16 - .20 mfd).
   c. If the condenser is faulty, replace the switch box and condenser assembly.

7. Re-assembly Inspection
   a. Be sure that the correct ignition coil for the magneto has been installed, not a substitute.
   b. Examine the magneto housing and ignition coil core for sharp edges, especially where the switch box-trigger coil lead passes under the ignition coil assembly, and file smooth if necessary.
   c. Be sure that the "D" washer holding the plastic lead clamp to the magneto housing is positioned so that it will not cut the clamp.
   d. All leads should be dressed as shown in Figure 1. The switch box-trigger coil knife terminals should be fully covered with insulating sleeving.
   e. Remove any foreign matter from the area between the switch box and the condenser base.
   f. Tighten all screws.
   g. If there is any doubt about the condition of the rotor or the strength of its magnets, replace it with a new one. Be sure to remove the "keeper" plates covering the two magnet groups before installing the rotor.

BRANCH SERVICE MEMO NO. 629

PERFORMANCE · DEPENDABILITY · SERVICE

HOMELITE

a division of Textron Inc.

DEALER SERVICE MEMO NO. 333

TO: Homelite Branches and Yard Trac Dealers

SUBJECT: Mower Improvements DATE: 1/31/67

Units Affected: YTD-26, YTD26A, YTD5, YTD6

1) Blade Shaft
2) Idler Wheel YTD-6 models only
3) Drive & Blade Belts
4) Adjusting Shim (uneven cut)
5) Adjusting Shim (differential assembly YTD-6)

1) Blade Shaft A66768 replaces 66365. This assembly consists of a Blade Shaft (not supplied separately), a new Blade Nut 66367-A and a Retainer Washer 66763. The Nut and Washer are available separately. When present stock of 66365 is used A66768 will automatically be supplied. Retaining Washer 66763 is circular in shape but may be bent next to the blade nut hex to prevent the blade from loosening.

2) We have finally been able to obtain the rubber wear strip 66752 as a replacement part of the Idler Wheel Assembly. The Part No. of the complete Idler Wheel with wear strip becomes A66622.

3) Blade Belts #66116 and #66116-1 are replaced by Blade Belt 66453 in all usage.

Transmission Drive Belt 66117 is replaced by 66455 in all usage.

For best results these two belts should be replaced in pairs. The satisfactory operation of these belts is interdependent on the lengths of each as they relate to the other. The individual lengths are controlled to + 7/64 of an inch. Commercially available belts are only controlled to + 1/2" - 1/4. This means that it is unlikely that commercially available belts will be in the proper relationship to each other.

4) The 1967 Yard Trac models have an adjustment to correct for uneven height of cut. We are making available a conical shaped shim P/N 66757. To adjust for an uneven height of cut on Yard Tracs prior to 1967 models these shims may be used between the blade housing and conical end of the blade housing hanger. These shims may be used as required to adjust for uneven cut.

(Cont'd.)

5) The two rear wheel drive chains (from differential) are adjusted by raising the differential assembly by the use of a combination of 66609 bearing spacers. To improve the ability to obtain the correct adjustment (3/16 min - 1/2 max deflection to one side of centerline with 25 lbs. load) we have released a thinner bearing spacer, Part No. 66609-1. Spacer 66609 is .090 thick, 66609-1 is .060 thick.

When adjusting the height of the differential assembly it is important that the differential drive shafts remain parallel to the hex drive shaft in the transmission assembly.

Robert S. Townsend
Ass't. Service Manager

edh

HOMELITE
a division of Textron Inc.

PERFORMANCE · DEPENDABILITY · SERVICE

BRANCH SERVICE MEMO NO. 630CS

DEALER SERVICE MEMO NO. 334

TO: All Branches and Chain Saw Dealers

SUBJECT: Chain Drive Sprockets for XP-1020 Automatic DATE: 2/3/67

In Forestry Marketing Bulletin 58-66F we did not include the chain drive sprockets -- we listed only new parts - those never carried in stock before.

Actually, the sprockets for the XP-1020 Automatic are the same as for the 995D as listed below:

Pitch	# Teeth	Part No.	
.404"	8	A-57341)	
		)	All Three
7/16"	7	A-56299)	Include Bearing
		)	Part No. 56230
1/2"	7	A-56615)	
7/16"	7	A-57364-A	

This last one is a Rim type sprocket and includes bearing Part No. 77442.

Walter N. Herold
Service Manager

edh

PERFORMANCE · DEPENDABILITY · SERVICE

HOMELITE

a division of Textron Inc.

BRANCH SERVICE MEMO NO. 636M

DEALER SERVICE MEMO NO. 340

TO: All Branches and Yard Trac Dealers

SUBJECT: 1) Tire Chains
2) Hub Caps

DATE: 3/13/67

Units Affected: YTD7-S, YTD7-F, YTD7-L

1) Tire chains Part No. A-66666 do not fit the new rear flotation tires on the YTD7-L models. You can now purchase chains which will fit both the 16/6.50-8 (1967 flotation tires) and the 16/5.50-8 (1966 flotation tires). We are assigning Part No. A-66666-A to the set of tire chains that fits both 1966 and 1967 flotation rear wheels, and will no longer supply A-66666 chain set. Any stock of old chains should be used on Yard Tracs with flotation tires prior to 1967 models.

2) The rear Hub Caps #66767 originally announced in Lawn and Garden Equipment bulletin - reference #11-66L, dated 12/1/66 - will only fit the deep rim flotation wheel. We have been able to secure a rear hub cap Part No. 66767-A which will fit both the standard and flotation wheel. Present stock of #66767 should be used up on flotation type wheels. We will automatically ship the universal rear hub cap Part No. 66767-A when our stock of #66767 is exhausted.

Robert S. Townsend
Ass't. Service Manager

edh

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PERFORMANCE · DEPENDABILITY · SERVICE

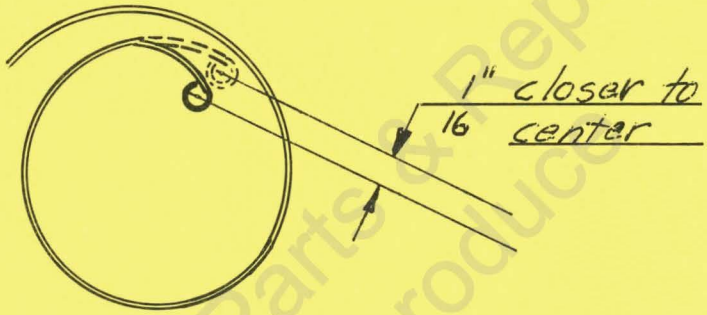
BRANCH SERVICE MEMO NO. 638CS

DEALER SERVICE MEMO NO. 341

TO: All Branches and Dealers

SUBJECT: XL Recoil Starters

DATE: 4/17/67



Here is a picture (slightly exaggerated to make it clearer) showing the last coil on an XL recoil spring.

By bending the innermost loop so that it approaches the center more steeply as shown, the spring stays engaged on the cam.

We have also determined that only a bare minimum of grease, if any at all, should be used on the spring itself, and then only on the side away from the starter pulley. But do continue to lubricate the starter pulley post.

All units being produced now, and all recoil springs in Spare Parts, have been reworked. Please bend any springs in your stock as shown (it's easiest by using two pairs of pliers next to each other) before installing them.

Walter N. Herold
Service Manager

edh

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PERFORMANCE · DEPENDABILITY · SERVICE

BRANCH SERVICE MEMO NO. 641CS

DEALER SERVICE MEMO NO. 343

TO: Branches and Dealers

SUBJECT: Fan Housing Screen Kit - Part No. A-64421

DATE: 5/1/67

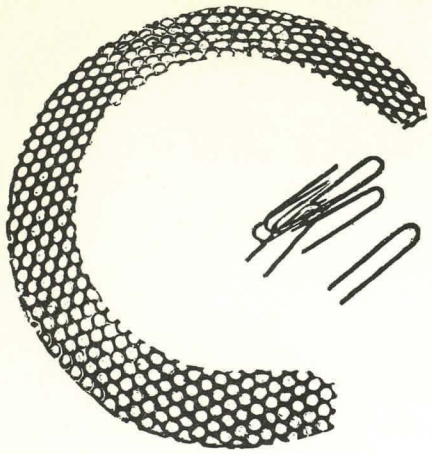
UNITS AFFECTED: XL-700, XL-800 and XL-850

Take a look at the enclosed instruction sheet. It shows a picture of the new accessory screen which was designed for those XL-700, XL-800 and XL-850 chain saws which are used in the type of timber where chips get past the standard rotating screen on the inside and tend to clog the cylinder fins.

This accessory screen is held in place on the outside, by six easy-to-install clips, and may be substituted for the rotating screen when local conditions make it desirable to do so.

Walter N. Herold
Service Manager

edh
Enc.



HOMELITE®

FAN HOUSING SCREEN KIT A-64421

This kit includes a new external screen and six fasteners. (Fasteners available separately as Part No. 64419.)

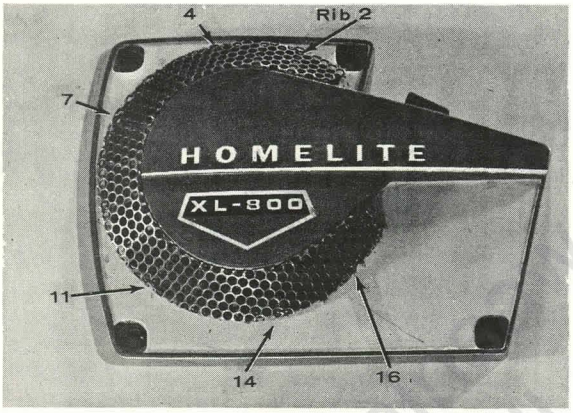


Figure 1

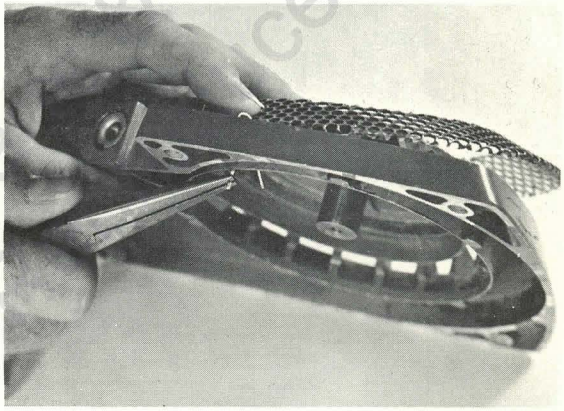


Figure 2

INSTALLATION

Remove the fan housing assembly intact from saw. Remove lock nuts holding internal screen to rotor and discard screen. It is not necessary to replace lock nuts during reassembly, but starter pawl studs must be tight in rotor.

Referring to Figure 1, position external screen on housing and insert a fastener through two holes in outer edge so that tabs straddle Rib #2. Using long-nose pliers or similar tool, grasp each tab of the fastener firmly and bend outwards over inner edge of fan housing (See Figure 2) Continue around perimeter of screen, inserting a fastener at each of the indicated ribs and bending the tabs firmly in place.

Reinstall fan housing assembly and tighten the four holding screws securely.

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HOMELITE
A textron DIVISION
PORT CHESTER, NEW YORK

Printed in U.S.A.

Part No. 24082

BRANCH SERVICE MEMO NO. 642CS

PERFORMANCE · DEPENDABILITY · SERVICE

HOMELITE

a division of Textron Inc.

DEALER SERVICE MEMO NO. 343

TO: All Branches and Chain Saw Dealers

SUBJECT: Connecting Rod Needle Bearings DATE: 5/19/67

UNITS AFFECTED: XP's, XL-700, XL-800, XL-850 and Service

New Connecting Rod Needle Bearings made from M50 Tool Steel are now used in production of the chain saws listed above. The needles look just like the old ones, but they withstand the heat of operation better and they last longer.

We have assigned new part numbers to the tool steel bearing sets so that you can stock them separately and we will ship only the new parts.

OLD	NEW
A-72206	A-64678
A-63307	A-64621

Walter N. Herold
Service Manager

edh

NOTE TO BRANCHES ONLY:

Use A-64678 for Service of XP Chain Saws immediately.

Use A-64621 for Service of all XL-700, XL-800 and XL-850 Chain Saws.

Use up A-72206 for Service of all units other than XP's.

Scrap A-63307.

PERFORMANCE · DEPENDABILITY · SERVICE

HOMELITE

a division of Textron Inc.

BRANCH SERVICE MEMO NO. 644CS

DEALER SERVICE MEMO NO. 345

TO: All Branches and Chain Saw Dealers

SUBJECT: Clutch Cover Screws DATE: AUGUST, 1967

UNITS AFFECTED: XL-800 and XL-850 Chain Saws

Three Special Stainless Steel Screws replace the three Button head socket screws used to hold the clutch cover to the clutch on the subject units.

The stainless steel screws are easier to remove when the clutch or sprocket needs to be serviced.

Please mark your parts records as follows:

80985 Screw 1/4 - 20 x 1/2" socket head
superseded by 64471

80985 Socket head screws may be used up on other applications.

Walter N. Herold
Service Manager

edh

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PERFORMANCE · DEPENDABILITY · SERVICE

BRANCH SERVICE MEMO NO. 650

DEALER SERVICE MEMO NO. 350

TO: All Branches and Yard Trac Dealers

SUBJECT: Front Wheels, Pneumatic DATE: 8/18/67

UNITS AFFECTED: YTD-7

Several samples of failed wheels have been returned for our examination; the complaint was that the bushings would not stay tight in the wheel halves. We found that this was caused by tapered - instead of cylindrical - bushing seats, a condition which has now been corrected.

To try to help you and any customers who have a Yard Trac with pneumatic front wheels as quickly as possible, we have made these arrangements:

We have put into stock complete wheel and tire assemblies.* These assemblies may be ordered under Part No. A66533-A. If you return a defective wheel, we will issue full credit for the A66533-A shipped. In addition, if you install the replace-

PERFORMANCE · DEPENDABILITY · SERVICE

HOMELITE

a division of Textron Inc.

BRANCH SERVICE MEMO NO. 651CS

DEALER SERVICE MEMO NO. 351

TO: All Branches and Chain Saw Dealers

SUBJECT: Thrust Washer for Chain Drive Sprocket DATE: 8/25/67

UNITS AFFECTED: XL Series Saws except XL-800 and XL-850

Normally these saws are equipped with 7 tooth 3/8" pitch sprockets and outer thrust washer Part No. 58926.

When an 8 tooth sprocket is installed on these saws a larger thrust washer is required.

Use outer thrust washer Part No. 55163-1 for these units with 8 tooth sprockets.

Walter N. Herold

Walter N. Herold
Service Manager

edh

PERFORMANCE · DEPENDABILITY · SERVICE

HOMELITE

a division of Textron Inc.

BRANCH SERVICE MEMO NO. 655

DEALER SERVICE MEMO NO. 353

TO: All Homelite Dealers

SUBJECT: Warranty

DATE: 10/11/67

Just about two months have gone by since we issued our new Warranty Claim Form.

Enough time has passed to give us an opportunity to learn how well it works, and what problems, if any, are still connected with the use of this new form.

Altogether, we would say, the new system works beautifully: We no longer have to blot up grease and oil to read our copies, parts are usually well identified and the handling of the paperwork has been speeded up.

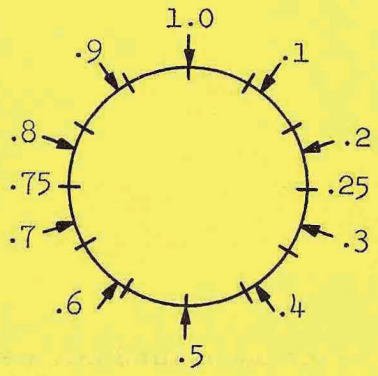
This last item -- SPEED -- is very important. We use the warranty claims and the associated material to learn where Homelite can still or should make improvements. Obviously, the quicker we know about and can examine a failure, the quicker we can get to work to try to correct it.

This is why we insist on prompt delivery of warranty parts from your shop to your Homelite office. The time limit is thirty days.

This is the same as the time limit on warranty labor. If any failure occurs within thirty days from date of sale, Homelite pays warranty labor - at the rate of $5.00 per hour.

If a claim qualifies for labor allowance, list the time -- we'll do the extending. Since we are asking for the time in hours and tenths of hours we may have confused some of you. Here it is once more:

> If you claim half an hour, don't write .30 -- we would only give you .30 x $5.00 which is $1.50; write .5 for one half hour. It all has to do with the fact that, for accounting purposes, it's easier to divide an hour into 10 equal parts. Each part is six minutes and is written as .1 (or one tenth) hour.



Here we've drawn a clock divided into 10 parts and this is how it lines up:

Minutes:	6	12	18	24	30	36	42	48	54
Tenths:	1	2	3	4	5	6	7	8	9

and 60 minutes = 1.0 hour.

To Summarize:

You're allowed $5.00/hour if a failure occurs within 30 days from date of sale. You must send in all failed parts within thirty days from date of claim. Use hours and tenths of hours (not minutes) to state the time you claim.

Walter N. Herold
Service Manager

edh

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a division of Textron Inc.

PERFORMANCE · DEPENDABILITY · SERVICE

BRANCH SERVICE MEMO NO. 657CS

DEALER SERVICE MEMO NO. 354

Distribution:

TO: All Branches and Chain Saw Dealers

SUBJECT: Clutches and Clutch Drums **DATE:** 10/13/67

UNITS AFFECTED: XL-102, XL-103, XL-104 Chain Saws

Brand new, 5/16" larger clutches and matching sprocket and drums are now available for the above-listed saws.

The new spiders are larger; the new shoes are "full radius" shoes for maximum contact area; the new shoes are made from an entirely new friction material to balance the wear between shoes and drum; and all subject saws coming off the line are now equipped with this longer lasting combination.

New, somewhat shorter guide bar shims must be used with the new pieces to clear the larger OD clutch drums.

Here are the part numbers:

A-64910	Clutch Assembly supersedes A-64380-1
A-64908	Sprocket and Drum (3/8" pitch, 7 tooth) supersedes A-63217
63638-A	Guide Bar Shim (inner) supersedes 63638
63639-A	Guide Bar Shim (outer) supersedes 63639

Use these four parts as a set when making service replacements on existing saws.

Individual pieces for service are stocked under the following numbers:

New Clutch Shoes	64569-2
Clutch Springs	63977 (same as XL-800)
New Clutch Plates	64904-1

We will also keep a few of the old clutch plates Part No. 63754-1 in stock for those customers who may need just the plate; but for all other replacements we recommend the entire set of parts.

Walter N. Herold
Service Manager

edh

PERFORMANCE · DEPENDABILITY · SERVICE

HOMELITE

a division of Textron Inc.

BRANCH SERVICE MEMO NO. 658CS

DEALER SERVICE MEMO NO. 355

TO: All Branches and Chain Saw Dealers

SUBJECT: New Clutch Shoes

DATE: Oct. 25, 1967

UNITS AFFECTED: XL-800, XL-850 Chain Saws

Clutch Shoes, Part No. 64569-1, supersede Part No. 63957 shoes in the XL-800 and XL-850.

The new shoes are "full radius" shoes for maximum engagement area. The material is a new Amplex friction material, gray in color and better suited to equalize normal wear between the shoes and the drum.

Part No. 63957 shoes may be used up on XL-700's and on the XL-88 Demolition Saw.

Walter N. Herold
Service Manager

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BRANCH SERVICE MEMO NO. 659 CS

PERFORMANCE · DEPENDABILITY · SERVICE

HOMELITE

a division of Textron Inc.

DEALER SERVICE MEMO NO. 356

TO: All Branches and Chain Saw Dealers

SUBJECT: Fuel Tank / Crankcase

DATE: 10/26/67

Units Affected: XL 700, XL 800, XL 850 Chain Saws
XL 88 Demolition Saw

New part numbers have been assigned to the Fuel Tank / Crankcases for the above listed units.

A-65338 supersedes A-63682-C for the XL 700, XL 800 and XL 850.
A-65340 supersedes A-64710 for the XL 88.

Because the welded joint on these new tanks projects slightly, it may be necessary to file a small amount of metal from the bottom left hand corner of the throttle handle so that the handle clears the welded bead for assembly.

Walter N. Herold
Service Manager

las

BRANCH SERVICE MEMO NO. 661CS

PERFORMANCE · DEPENDABILITY · SERVICE

HOMELITE

a division of Textron Inc.

DEALER SERVICE MEMO NO. 357

TO: All Branches and Chain Saw Dealers

SUBJECT: Guide Bars for .050 Chain

DATE: 11/20/67

BARS INVOLVED:

HT1250,	GW1250
	GW1450
HT1550,	GW1550-16
	GW1950-20
	GW2350-24
	GW2950-30

The mounting end of these guide bars has been redesigned to fit all Homelite direct drive chain saws (except the XL-101, 2, 3 and 4 series).

These bars have a 3/8" wide mounting slot to match 3/8" diameter bar studs. On XL Saws, an S-shaped spring, Part No. 64448, is used (and will be supplied from now on) to adapt the 3/8" slot to the 5/16" diameter studs on these units. If one of the bars is to be used on one of the XL's with planetary gears, two bushings, Part No. 64392 are required because the S-shaped spring won't clear the central dowel pin.

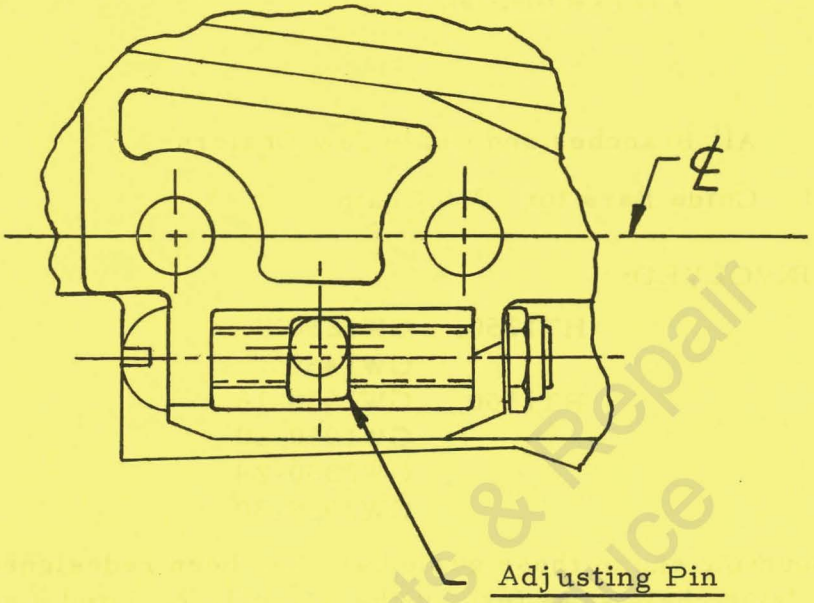
On all future C and Zip saws the guide bar adjusting pin will be assembled 180° reversed from its former position. This places the pin portion closer to the guide bar studs.

The guide bar shims for these units will have wider slots to allow for the new pin position.

It's also possible now to mount one of these new bars on old C or Zip saws -- or on any XP direct drive, or 775D or comparable saw. All you have to do is reverse the adjusting pin on the guide bar adjusting screw and either file out the slot in the shims or better still supply new shims which will have the wider slot and which will also be cut out at the top front to prevent rubbing of the side of the chain.

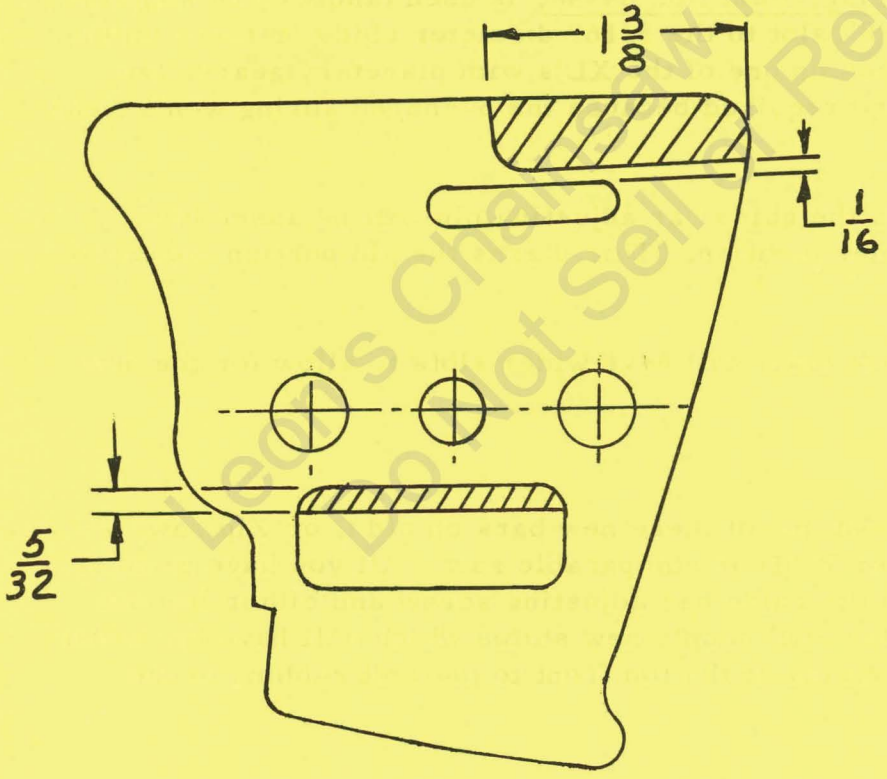
(Cont'd.)

Here are two sketches showing the new set-up:



Adjusting Pin

Assemble with offset towards center line of bar.



Guide Bar Shim

Shaded sections removed

Walter N. Herold
Service Manager

edh

BRANCH SERVICE MEMO NO. 667-0

PERFORMANCE · DEPENDABILITY · SERVICE

HOMELITE

a division of Textron Inc.

DEALER SERVICE MEMO NO. 361

TO: All Branches and Dealers

SUBJECT: Replacement Parts for 2 1/2 Gallon Fuel Containers 72763 & AA-71472

DATE: 12/13/67

We have found that few people realize that we can supply the most frequently required replacement parts for the 2 1/2 gallon fuel container.

The following is a list of parts available for the 72763 Fuel Container --

Spout	32551	(This includes the plug, screw cap spout and screen)
Plug	34022	
Cap (vented)	33689	
Oil Measure	73626	

The following is a list of parts for the AA-71472 Fuel Container --

Valve Ass'y.	33687	Complete Valve Ass'y. for end of 33688
Cap (vented)	34021	
Spout	33688	(Rear spout tube with brass coupling and lock spring)

We will continue to supply these parts as long as there is sufficient usage to provide economical purchase.

Robert S. Townsend

Robert S. Townsend
Ass't. Service Manager

edh

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PERFORMANCE · DEPENDABILITY · SERVICE

BRANCH SERVICE MEMO NO. 668CS

DEALER SERVICE MEMO NO. 362

TO: All Branches and Chain Saw Dealers

SUBJECT: New Crankcase, Fuel Tank and Fuel Tank Straps DATE: 12/29/67

UNITS AFFECTED: Super 77 and Super Wiz 66

I A new crankcase A-64902 supersedes A-63177-A. The upper mounting boss for the fuel tank has been shortened 1/16" and instead of a 1/4" stud a #10-32 tap-lok insert is used.

II With this new crankcase we use a new fuel tank A-65324 which supersedes A-59999-1. The mounting hole has been opened up to 3/8" diameter. We will supply two (2) grommets #64473 with each spare parts tank.

These changes were made so that the two (2) grommets (#64473) and a shoulder screw (#64133-A) could be used to give the assemblies more flexibility. See Figure #1.

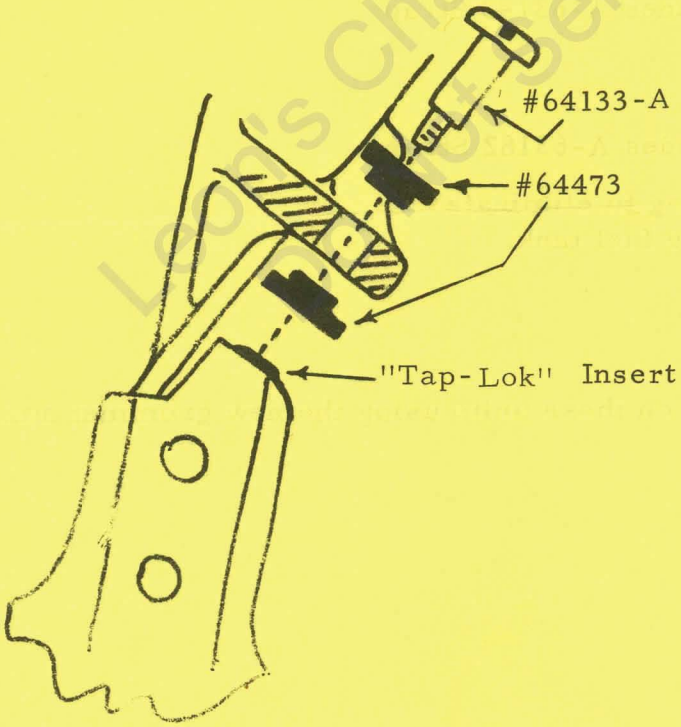

FIG. #1

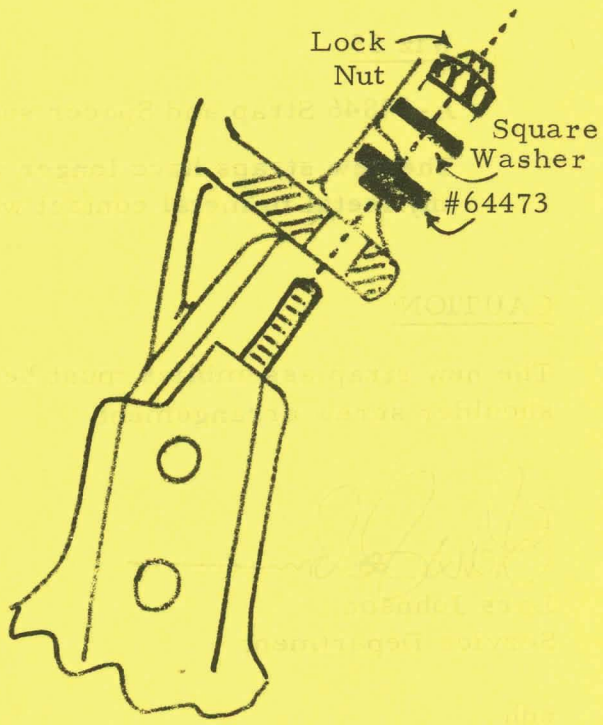

FIG. #2

For Service

A. If a new tank is ordered we will ship one with the 3/8" diameter crankcase mounting hole. If the crankcase is still the old "high" one with the 1/4" stud use only one grommet on top of the mounting tab and fasten with a square washer and nut (See Figure #2).

B. If a new crankcase is ordered we will ship the new one with the #10-32 tap-lok insert. To use with an old tank, drill open the crankcase mounting hole in the tank; insert grommets on both sides and fasten with shoulder screw.

NOTE: The new crankcase also fits the Wiz 55 even though we haven't changed this unit (Wiz 55) in production. Use the same drilling and fastening methods on the fuel tank as described above (drill out to 3/8" diameter - use grommets and shoulder screw).

III New fuel tank reinforcing straps have been made for the Super 77, Super Wiz 66 and Wiz 55 as follows:

Super 77 and Super Wiz 66

A-64901 Strap and Spacer supersedes A-63143 Strap

Wiz 55

A-64846 Strap and Spacer supersedes A-63182 Strap

The new straps have longer webbing to eliminate any metal to metal contact with the fuel tank.

CAUTION

The new strap assemblies must be used on those units using the new grommet and shoulder screw arrangement.

Lars Johnson
Service Department

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PERFORMANCE · DEPENDABILITY · SERVICE

BRANCH SERVICE MEMO NO. 669CS

DEALER SERVICE MEMO NO. 363

TO: All Branches and Chain Saw Dealers

SUBJECT: Check Valve Repair Kit for Walbro Carburetor DATE: 12/29/67

UNITS AFFECTED: XL-101, 102, 103 and 104 Chain Saws

If while repairing or rebuilding the carburetor, the check valve seat and screen has been removed it will be necessary to replace it with a new one. Use Part No. 65386 check valve repair kit and Part No. 24173 check valve installation tool.

CAUTION: Pressing the check valve seat too far down can shut-off the fuel. Use the tool to set the valve seat to the proper depth.

Lars Johnson
Service Department

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