

Distribution: List Nos. 5, 8

ADVANCE · DEPENDABILITY
HOMELITE
SERVICEA DIVISION OF
TEXTRON INC.**TO:** All Homelite Branches and Chain Saw Dealers**SUBJECT:** New Cylinder for 4-20 Chain Saw:
55491 supersedes 55000-B**DATE:** 1/12/59

Starting with Serial No. 873405, Model 4-20 chain saws are assembled using a new cylinder Part No. 55491.

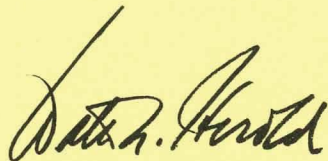
The new cylinder has the same large exhaust throat as Model 7-19 and 7-21 saws and uses the large muffler element, cap and heat damper.

Please mark your parts list as shown below:

For 4-20 Chain Saws above Serial No. 873404 use:

55491
A-56068
56396
55506-A

Cylinder
Element, Muffler
Cap, Exhaust
Damper, Heat

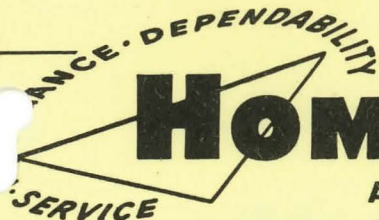


Walter N. Herold
Service Manager

SERVICE MEMO NO. 241-ES

DSM NO. 106

Distribution: List Nos. 5, 8



HOMELITE

**A DIVISION OF
TEXTRON INC.**

TO: All Homelite Branches and Chain Saw Dealers

SUBJECT: Ball Drive Plate, Part No. 55054-A for
Clockwise Rotating Chain Saws (17, 4-20, 5-20,
6-22, 7-21)

DATE: 4/27/59

Chain saw starters will be more trouble-free with the new Part No. 55054-A Ball Drive Plate.

We changed the material for this forging from manganese bronze to aluminum bronze. In addition we increased the thickness of the base from 1/16" to 3/32". This 50% increase strengthens the plate to prevent distortion and to keep the ball pockets from "opening up".

Better engagement of the Starter Balls reduces wear of both ratchet and plate: a more trouble-free assembly is the result.

The change goes into effect with 7-21C, S/N 904491 and all future production which uses this part.

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

Walter N. Herold
Service Manager

pc

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**HOMELITE**A DIVISION OF
TEXTRON INC.

TO: All Homelite Branches and Chain Saw Dealers

SUBJECT: Fuel Mixture for Homelite Chain Saws

DATE: 5/14/59

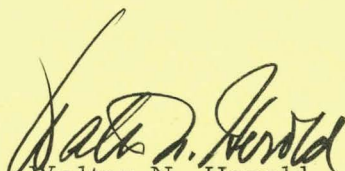
For more than a year now, we have run tests comparing the lubrication qualities of Homelite chain saw engine oil with ordinary oils.

These are the findings:

Homelite oil lubricates better . . .
so much better, that one half pint of Homelite oil
supplies all the lubrication available from three
quarter pint of ordinary oils!

These facts mean a lot to you and to your customers! Now you can use 1/2 pint mix for your demonstrations . . . now your customers can operate Homelite saws with this new mix . Operators will appreciate the reduction in exhaust smoke . . . they will like the fact that the exhaust contains fewer oil fumes . . . and these features make selling easier for you.

Don't fail to explain the advantages of running Homelite saws with Homelite oil: less oil is needed -- less carbon is formed -- spark plug life is improved; a cleaner engine lasts longer, runs cooler, needs less maintenance. Explain to your prospect that he doesn't have to use 3/4 pint mix . . . use only 1/2 pint of CLEAN-BURNING HOMELITE ENGINE OIL.



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TO: All Homelite Branches and Chain Saw Dealers

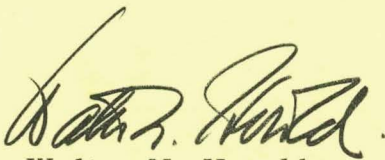
SUBJECT: Fuel Tank Mounting: WIZ, 4-20, and 7-21 Saws

DATE: 6/18/59

In Service Memo No. 220-CS (Dealer Service Memo No. 102) we told you about the improved fuel tank and mounting for the above listed gear driven chain saws. Now we have added one more strong feature:

A 12-24 locking type Heli-coil is installed in the crankcase for the top mounting screw which fastens the fuel tank to the crankcase. The diameter of the hole in the ear of the fuel tank is slightly increased and we now use a 12-24 x 5/8" long fillister head screw (Part No. 80710) to lock the tank in position.

With this change we have increased the cross section of the top mounting screw by more than 70% while we have -- at the same time -- gained the benefit of the locking insert which supplies constant torque, preventing the screw from backing out. With this added improvement we are satisfying a demand made by a number of you and your customers -- we are sure that it meets with your approval.



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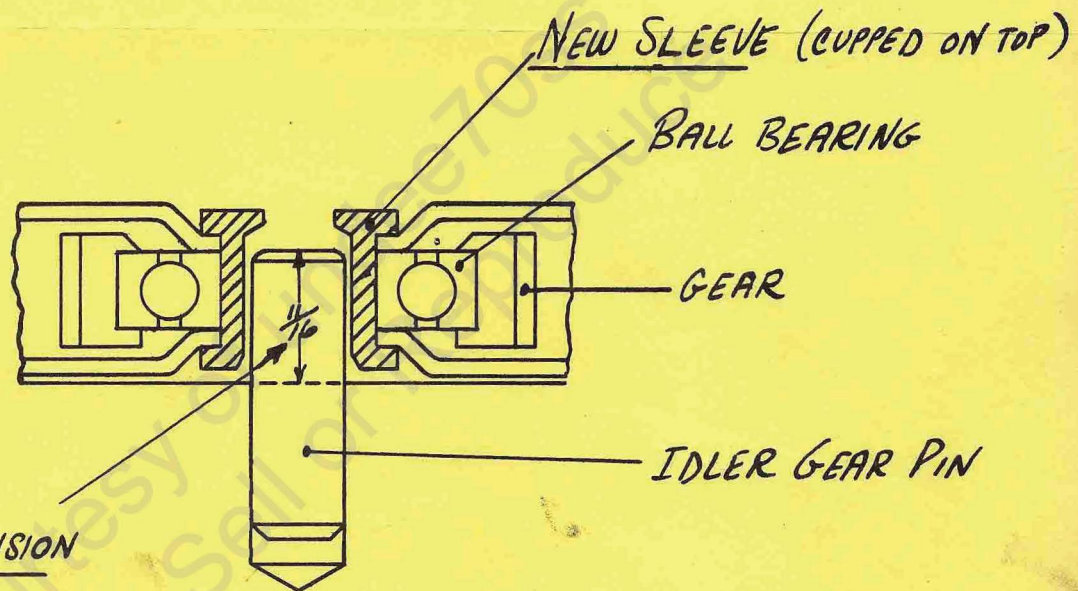
A DIVISION OF
 TEXTRON INC.

TO: All Homelite Branches and Chain Saw Dealers

SUBJECT: New Idler Gear Assembly - Model 9-26

DATE: 8/28/59

Starting with serial No. 927029, all Model 9-26 chain saws will be assembled using a new Idler Gear Assembly, part No. A-56581-A.



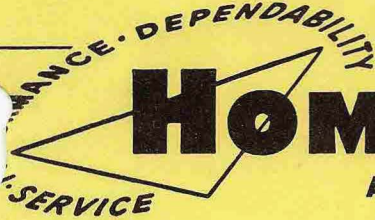
$\frac{11}{16}$ = NEW DIMENSION
 PRESS PINS IN $\frac{1}{16}$ INCH FURTHER
 SO THAT ONLY $\frac{11}{16}$ INCH STICKS OUT
 ABOVE BOSSES IN GEAR CASE.

The sketch above shows the cupped Idler Gear Sleeve which is designed with a shoulder to restrict any movement of the idler gear pin. To assemble new idler gears in saws below serial No. 927029, it is first necessary to press the idler gear pin $\frac{1}{16}$ " deeper into the gear case. This is best done by making a little sleeve $\frac{11}{16}$ " long out of $\frac{1}{2}$ " ID tubing which can be used as a stop while you press the pin in deeper.

For spare parts, Idler Gear Assembly A-56581-A will supersede A-56581. Please mark your 9-26 parts lists accordingly. It might be helpful to you if you note the new pin dimension ($\frac{11}{16}$ ") right on the parts list, so that you won't try to assemble a new idler gear without first pressing down the pin.

Walter N. Herold
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HOMELITE

A DIVISION OF
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TO: All Branches and Chain Saw Dealers

SUBJECT: Piston Ring

DATE: 10/12/59

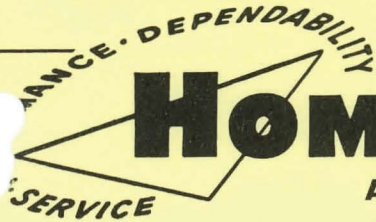
Piston Ring Part No. 74626-2 supersedes 74626-1. Please mark your parts lists accordingly.

This change eliminates the need for stocking separate rings for the Homelite Mower Car engine and the 7-29 and 8-29 chain saw engines.

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HOMELITE

A DIVISION OF
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TO: All Branches and Chain Saw Dealers

SUBJECT: Carburetor

DATE: 10/12/59

Carburetor A-56505-A supersedes A-56505 in all usage.

The A-56505-A carburetor has the turret located in the center of the fuel pump cover which makes possible the use of this carburetor on the WIZ chain saw.

The A-56505-A carburetor also will be shipped with a 77332 throttle spring enclosed to permit its use with or without governors.

A cup-shaped screen, Part No. 77376 is part of the new carburetor. The flange of this screen is clamped between the turret and the turret gasket. It can be installed in older CP carburetors as an added safeguard to keep the inside of the carburetor clean.

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

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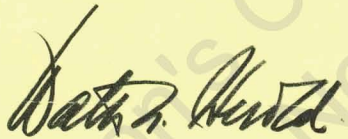
**HOMELITE****A DIVISION OF
TEXTRON INC.****TO:** All Branches and Chain Saw Dealers**SUBJECT:** New Exhaust Cap Assembly with built-in Element **DATE:** 10/19/59

A -56068 Muffler element and 56396 Exhaust Cap are replaced by one new assembly. Exhaust Cap Assembly Part No. A-56613.

The new Exhaust Cap Assembly which contains a perforated sheet steel element, permanently spot welded into place, has the same over-all dimensions as the old 56396 cap and is mounted to the cylinder in the same fashion.

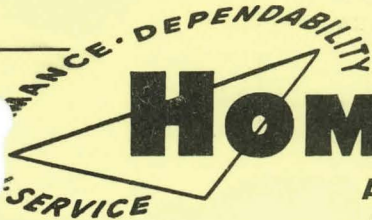
All new 7-19C, 7-21C, 4-20, WIZ, ZIP and BUZ chain saws are now being assembled with the new cap.

We suggest that you use the new cap for service of older units also, thereby eliminating the difficulties which you may have encountered when A-56068 elements were used to the point where they fractured, endangering cylinder and piston.



Walter N. Herold
Service Manager

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A DIVISION OF
TEXTRON INC.

TO: All Homelite Branches and Chain Saw Dealers

SUBJECT: Service Simplified --
All Brown CP Carburetors

DATE: 12/17/59

Brown Model CP carburetors, identified as 1 CP, 2 CP, 6 CP, 7 CP and 9 CP all have been or are now used on Homelite chain saws.

Three different fuel pump covers (two with the turret mounted off to the side, and one with the turret in the center) have been used on these models; and two different main diaphragm covers (one with an extra pulse hole) have been supplied and are shown in our various parts lists.

To make service of CP carburetors much simpler we have decided to supply spare parts as follows:

- (1) Only one Fuel Pump Cover (Homelite Part No. A-77374 with center Turret) will be used to service all Brown CP carburetors.
- (2) Only one Main Diaphragm Cover (Homelite Part No. 77301-A without the extra pulse hole) will be used to service all Brown CP carburetors.

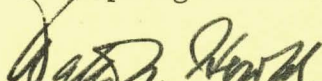
77301-A is a new number and differs from part number 77301 in one respect: Two 1/8" diameter blind holes are drilled into the face of the 77301-A cover. These two holes are located directly above the Fuel Pump diaphragm flappers.

We install two small springs in the two holes to put a slight amount of pressure on the flappers. This keeps them from curling and helps assure optimum pump performance under all operating conditons.

All CP carburetors now used in Production of saws are assembled with these springs. We recommend installation of the new main diaphragm cover and of the springs in carburetors which you service --especially if the complaint has been that the carburetor is "difficult to adjust" or "lacks fuel".

Please mark your parts lists as follows:

Main diaphragm cover 77301-A supersedes 77301 and 77371.
Pump cover with center turret A-77374 supersedes 77316 and 77377.
Two Springs Part No. 77405 are used with 77301-A cover.


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PRECISE DEPENDABILITY
HOMELITE
SERVICEA DIVISION OF
TEXTRON INC.

TO: All Homelite Branches and Chain Saw Dealers

SUBJECT: Homelite Recoil Starter

DATE: 12/21/59

The Recoil Starter Pulleys used on Homelite recoil starters have been revised: the groove for the starter cord has been widened .020".

We made the grooves wider to compensate for the somewhat softer action of the longer (and much more reliable) recoil spring which is now used in all Homelite starters, and because cord manufacturers cannot control the diameter of cord as closely as we can control our die castings and machining.

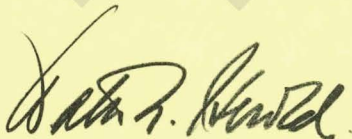
To tell the pulleys with the wider grooves apart from the obsolete ones we have amended the part numbers as follows:

55362-1A (for clockwise engines) supersedes 55362-1

55597-1A (for counterclockwise engines) supersedes 55597-1

The old style starter pulley assemblies with pins which are used with the old 71470-A recoil springs will continue to be available under part numbers AA-55223-A and A-55658; however, even these old part numbers will be assembled with "wide-slot" pulleys.

Dealers may return narrow groove pulleys to Homelite branches for credit or exchange.



Walter N. Herold
Service Manager

pc

NOTE TO BRANCHES ONLY: Narrow groove pulleys should be returned to Homelite, Gastonia marked "old style--See ECN No. 10585".

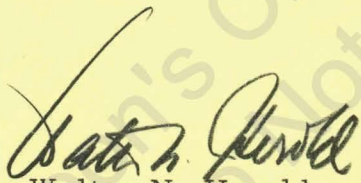
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**HOMELITE****A DIVISION OF
TEXTRON INC.****TO:** All Homelite Branches and Chain Saw Dealers**SUBJECT:** Direct Drive Saw Clutch Drum & Sprocket**DATE:** 12 /22 /59

Homelite Clutch Drum and Sprocket assemblies are treated with Rust-Ban, a preservative which prevents rusting. Rust-Ban forms a paraffin-like coating over the entire clutch drum and this coating provides excellent protection for the part during storage.

However, if this coating is not removed before clutch drums are put into service, the clutch will slip at very high speeds (as high as 5,000 RPM): this may give the impression that the engine lacks power.

For production of chain saws we degrease all Sprockets and Drums before assembly. When you install a Sprocket and Drum from Service Parts stock you must remove the Rust-Ban. Any commercial degreasing fluid such as Stoddards Solvent, Varsol or Solvesso will work well.



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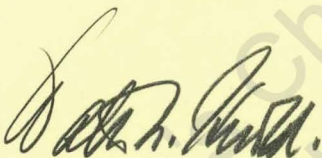
SUBJECT: Oil Pump Plunger for BUZ Chain Saw

DATE: 12/28/59

Reports from the field have indicated that the packing gland around the oil pump plunger stem on the BUZ chain saw does not always seal sufficiently well to prevent all leakage of oil.

To prevent this leakage, all future production of BUZ chain saws will be built using the same plunger tube with O-Ring which is standard on the bigger saws. The part number of the Tube with O-Ring is A-74406; this number is already shown in the BUZ parts list.

To correct any oilers on older BUZ chain saws simply install an A-74406 plunger tube and discard the old one.

Walter N. Herold
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