

HOMELITE®

TECHNICAL SERVICE

BULLETIN

DEALER INFORMATION, TECHNICAL
ADVICE AND PRODUCT INFORMATION
CAN BE OBTAINED AT THIS NUMBER:

1-800-242-4672

NO. 192-001

SUBJECT: HOMELITE VISUAL COMPARISON TESTER
PART NUMBER 18774

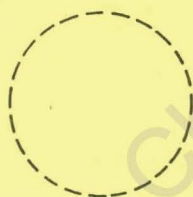
AFFECTS: ALL 2 CYCLE PRODUCTS

Many 2 cycle failures are caused by improperly mixed fuel. This Homelite Visual Comparison Tester will assist in evaluation of this type of failure.

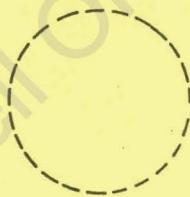
Because fuel mix contains oil, and raw unmixed fuel does not, when the gasoline is evaporated, mixed fuel will leave a stain on the tester; raw unmixed fuel will leave no stain. Excessive oil will dry as a darker stain and insufficient oil will dry as a lighter stain than properly mixed fuel.

HOMELITE VISUAL COMPARISON TESTER

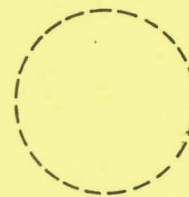
Place one or two drops of each sample in the corresponding circle. Visually compare results.



KNOWN MIX
32-1/EXACT MIX



SUSPECTED
SAMPLE



UNMIXED GAS
(NO ENGINE OIL)

Known mix - should be properly mixed Homelite 32:1 or Homelite Premium Exact Mix.

Suspect sample - take this sample from the CARBURETOR if possible, this fuel is the fuel last used before failure.

Unmixed gas - use unmixed raw gas.

Part Number 18774 can be ordered in any quantity, each pad contains 25 sheets.

Peter P. Knoell
Field Quality Assurance Mgr.

DATE 5/92

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NO. 192-002


SUBJECT: SERVICE GEARBOX KIT A-04316

AFFECTS: ALL MODEL ST-285 TRIMMERS (NOT ST-285-BC)

The Service Kit A-04316 should be used when replacing a failed Gear Head on St-285 units.

The A-04316 kit supplies a heavier-duty Gear Head to assure reliability, plus an Instruction sheet to guide proper assembly. The new Gear Head is of reverse rotation (String Head will rotate Counter-Clockwise), but all parts needed for conversion, including left hand Retainer A-97910-A, are included.

Service Gearbox Kit	Supersedes	Gear Head
A-04316 includes:		A-98859
A-04151	Gear Head	1
A-97910-A	Spool Retainer	1
98551-41	Shaft Adapter	1
00436-06	Flanged Washer	1
02949	Cut-Off Blade	1
82586	Hex Soc. Cap Screw	1
88049	Screw (#10-24 x 1/2)	4
18754	Instruction Sheet	1


Bob Donahey
Service/Field Quality Mgr
Forestry Products

DATE 5/92

INSTRUCTION SHEET FOR GEAR BOX KIT A-04316

CAUTION

Disconnect spark plug before starting any maintenance and adjustments.

1. Remove the stringhead and grass deflector from the gear box (retain parts).
2. Remove the locating screw and the two screws and washers holding gear box to drive shaft. Remove gear box.
3. Install the new gear box (supplied in kit) onto the drive shaft making sure that the flex shaft is engaged with the drive gear and that the gear box is fully seated on the drive shaft.

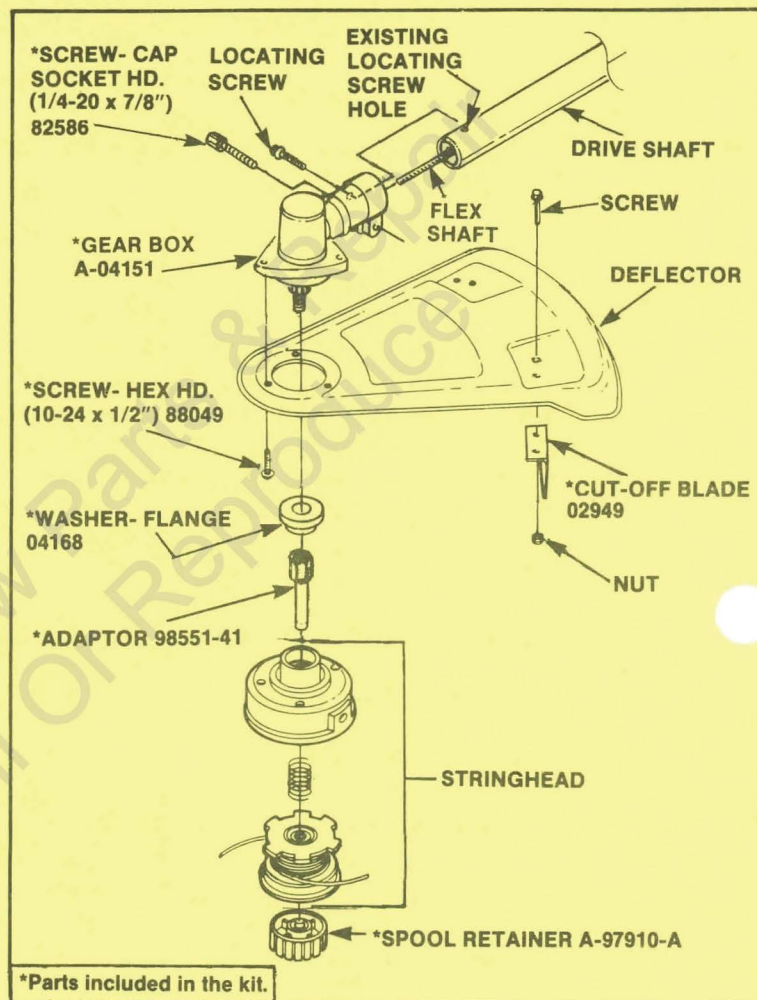
NOTE

Be sure top of gear box is aligned with top of engine housing.

4. Without moving the gear box, install the locating screw into the gear box and tighten just enough to mark the drive shaft. Remove the locating screw and the gear box. Drill a 1/4" hole into the drive shaft where the mark was made.
5. Install the new gear box onto the drive shaft. Secure gear box, using the 1/4-20 x 7/8" socket hd. screw and the locating screw (supplied in kit). Tighten fasteners securely.
6. Remove the cut-off blade from the right side of deflector and install the new blade (supplied in kit) on the left side.
7. Reinstall deflector using (3) 10-24 x 1/2" hex hd. screws.
8. Install flange washer (supplied in kit) onto gear box.
9. Install the adaptor (supplied in kit) onto the gear box shaft, turning the adaptor counterclockwise. Tighten securely.
10. Reinstall the stringhead to the adaptor. Secure stringhead with the spool retainer supplied in kit. Turn retainer counterclockwise to tighten securely.

NOTE

After installing the new gear box, the stringhead will now turn counterclockwise instead of clockwise as before.



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1-800-242-4672

NO. 192-003

SUBJECT:

NEW AUTOMATIC OILER SYSTEM

AFFECTS:

SAWS:	XL	UT 10694 & UT 10695
	SUPER 2	UT 10696 & UT 10697
	200	UT 10690 & UT 10699
	SUPER 2SL	UT 10701

The oil pump on the above listed saws is now part of the carburetor design which may require more running time on some units for oil to reach the bar and chain.

The following test procedure should be used to assure proper oiler performance:

The guide bar and chain must be installed on the powerhead before beginning testing.

**OPERATING THE POWER HEAD WITHOUT FIRST INSTALLING
GUIDE BAR AND CHAIN MAY RESULT IN DAMAGE TO THE
POWERHEAD.**

1. Fill chain oil tank to at least three-fourths full.
2. Run saw approximately 45 seconds at wide open throttle with carburetor choke lever at half-choke position.
3. Open choke with a tachometer set carburetor at 10.500 RPM and run saw approximately one minute at WOT.
4. Stop the engine and check that oiler is pumping oil to the bar and chain.
5. Recheck WOT and idle speeds before delivery of saw.

DATE 5/92

HOMELITE **TEXTRON**

Homelite Division of Textron Inc

Proceed with the break-in/prime steps, as follows, if the oil pump is not working properly after the above test.

1. With engine running at WOT, cycle carburetor choke between half-choke and open settings for 30 to 45 seconds.
2. With engine still at WOT and the choke open, loosen oil tank cap for a few seconds to allow tank internal pressure to stabilize, then retighten cap securely.
3. During an additional 25 to 30 seconds of WOT engine operation, loosen and retighten the oil tank cap again.
4. Stop the engine and check that oil is being pumped to the bar and chain.

If there is no evidence of proper oil pump performance after the above steps, remove the engine from the housing and inspect the oil delivery lines. If there is no problem with the routing of the pressure and/or oil lines, or with the connection, check the oil pump components.

1. If the spring or diaphragm/plunger assembly appear to be damaged or defective, replace the parts with Spring/Plunger Kit, Part Number 02773.
2. If those parts do not appear to be damaged or sub-standard, replace the Oil Pump Body, Part Number 02770.



Bob Donahey
Service/Field Quality, Mgr
Forestry Products

5 - 5

OUTLET OIL PUMP
FITTING TO GUIDE
BAR PAD FITTING.
4 3/16" LONG.

70161-

70310-19

4 - 4

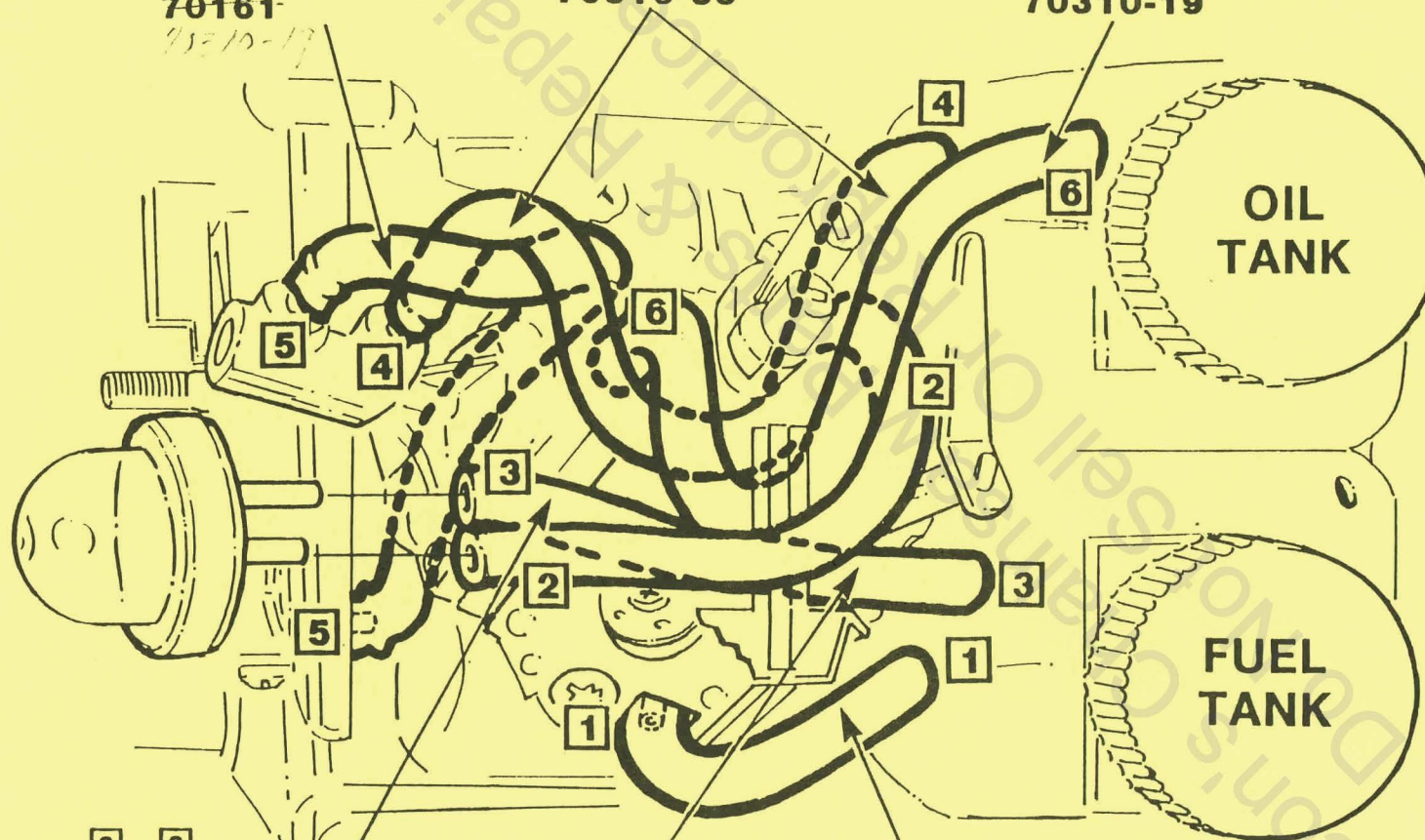
INLET OIL PUMP LINE
FROM OIL PICK UP
TO INSIDE PUMP
FITTING. 9" OVERALL
LENGTH WITH 4 5/8"
OUT OF TANK.

70310-36

6 - 6

PRESSURE PULSE LINE
FROM CARBURETOR
"WHITE" FITTING TO
DUCK BILL IN OIL TANK
4 3/4" LONG.

70310-19



3 - 3

PRIMER RETURN
LINE FROM LONG
PRIMER FITTING TO
UPPER FUEL TANK HOLE.
7 1/2" LONG OVERALL.
3 1/4" OUT OF TANK.

70310-30

2 - 2

PRIMER INLET LINE
FROM CARBURETOR FITTING
UNDER ADJUSTING SCREWS
TO SHORT PRIMER FITTING.
3" LONG.

01439-12

1 - 1

FUEL INLET LINE
FROM PICK UP TO
FITTING ON BOTTOM
OF CARBURETOR.
5 1/2" LONG OVERALL
AND 1 3/4" OUT OF TANK.

70310-22

FUEL LINE CONNECTION

- 1 - 1** FUEL INLET
- 2 - 2** PRIMER INLET
- 3 - 3** PRIMER RETURN

OIL LINE CONNECTION

- 4 - 4** OIL PUMP INLET
- 5 - 5** OIL PUMP OUTLET
- 6 - 6** OIL TANK PRESSURE

ROUTE LINES AS
SHOWN - DO NOT KINK.

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TECHNICAL SERVICE

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DEALER INFORMATION, TECHNICAL
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1-800-242-4672

NO. 192-004

SUBJECT: AUTOMATIC OIL PUMP ASSEMBLY (COMPLETE) A-96538-A

AFFECTS: MODEL 240 AND 245 SAWS

The Oil Pump Body has been modified to assure proper reliability of the Automatic Oiler System on the Model 240 units. The improved Pump Body is incorporated into the Oil Pump Assembly A-96538-A for servicing the Model 240 saw.

Oil Pump	Supersedes	Oil Pump Body
A-96538-A		A-96537 Individual Parts

Note 1: As noted, orders for individual pump parts for Model 240 units will supersede to the Oil Pump as parts are exhausted.

Note 2: In the future, the Model 245 Oil Pump Body will be made No Longer Supplied due to low usage. As the Model 240 and Model 245 Oil Pumps are identical, except for the Oil Line Fittings, the A-96538-A Oil Pump will supersede Model 245 parts as they are exhausted. Exchanging the Oil Line Pump will provide you with an interchangeable pump assembly.



Bob Donahey
Service/Field Quality Mgr.
Forestry Products

DATE 5/92

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NO. 192-005

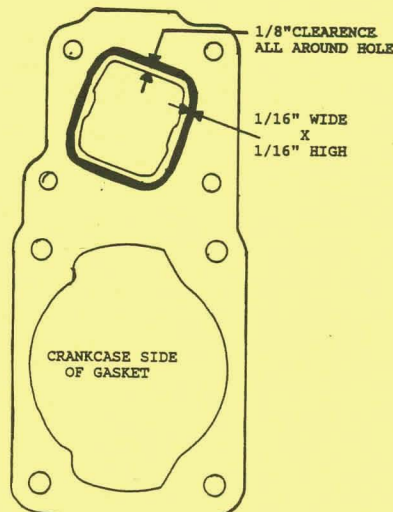
SUBJECT: AIR LEAK

AFFECTS: SXL A0

Premature piston and cylinder failures are occurring in the above unit due to an air leak between the carburetor chamber (A93926) and the crankcase (A65736). As a result of changing the material to eliminate asbestos in gasket part number 59771, effective with serial number HK1100001 a change in tolerance went undetected and created this air leak situation. This problem has been addressed on saws produced after serial number HM3260030 by applying silastic on the crankcase side of the illustrated gasket.

FIELD REPAIR INSTRUCTIONS

- * Use silastic only when using new gasket (Black)
Silastic not required on old gasket (Red)
- * Apply silastic to crankcase side of gasket as shown in illustration.
- * Silastic bead size critical - NO MORE THAN 1/16"
- * CAUTION: Do not allow excess silastic to ooze into crankcase intake port, or serious ENGINE DAMAGE could occur.



Bob Donahey

Bob Donahey
Service/Field Quality, Mgr
Forestry Products

DATE 5/92

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1-800-242-4672

NO. 192-006

SUBJECT:

- (1) NEW AUTOMATIC OIL PUMP SERVICE KIT A-00007
- (2) CLUTCH DRUM RETAINING LOCKNUT 81236

AFFECTS:

SUPER XL-AO SAWS

- (1) A new Oil Pump Kit A-00007 has been released to replace the current A-59809-B Oil Pump. The current pump will No Longer Be Supplied when inventory is exhausted.

The A-00007 kit includes a new style Pump and Worm Gear, with new mounting screws, and an Instruction Sheet to assure correct assembly. Please note the use of LOC-TITE and proper mounting screw TORQUE are critical to proper assembly of the new pump.

New Pump Kit	Supersedes	Current Pump
A-00007 includes:		A-59809-B

A-03640 Pump includes	1
59704 O-Ring (2)	
59926 Felt Seal (1)	
00001 Worm Gear	1
82248 Screw	3
18765 Inst. Sheet	1

- (2) Locknut 81236 has been released to secure the clutch drum on the crankshaft. This new locknut replaces the original nut and washer and will not to loosen allowing movement of the clutch drum.

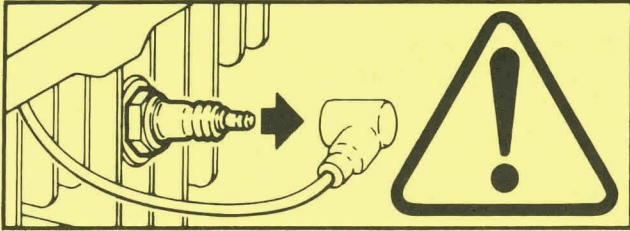
81236 Locknut	Replaces	81124-A Jam Nut
		83018 Washer



Bob Donahey
Service/Field Quality Mgr.
Forestry Products

DATE 5/92

INSTALLATION INSTRUCTIONS OIL PUMP ASSEMBLY, A-00007 FOR SUPER XL CHAIN SAWS



DISCONNECT SPARK PLUG BEFORE PERFORMING
MAINTENANCE, ADJUSTMENT, LUBRICATION AND STORAGE.

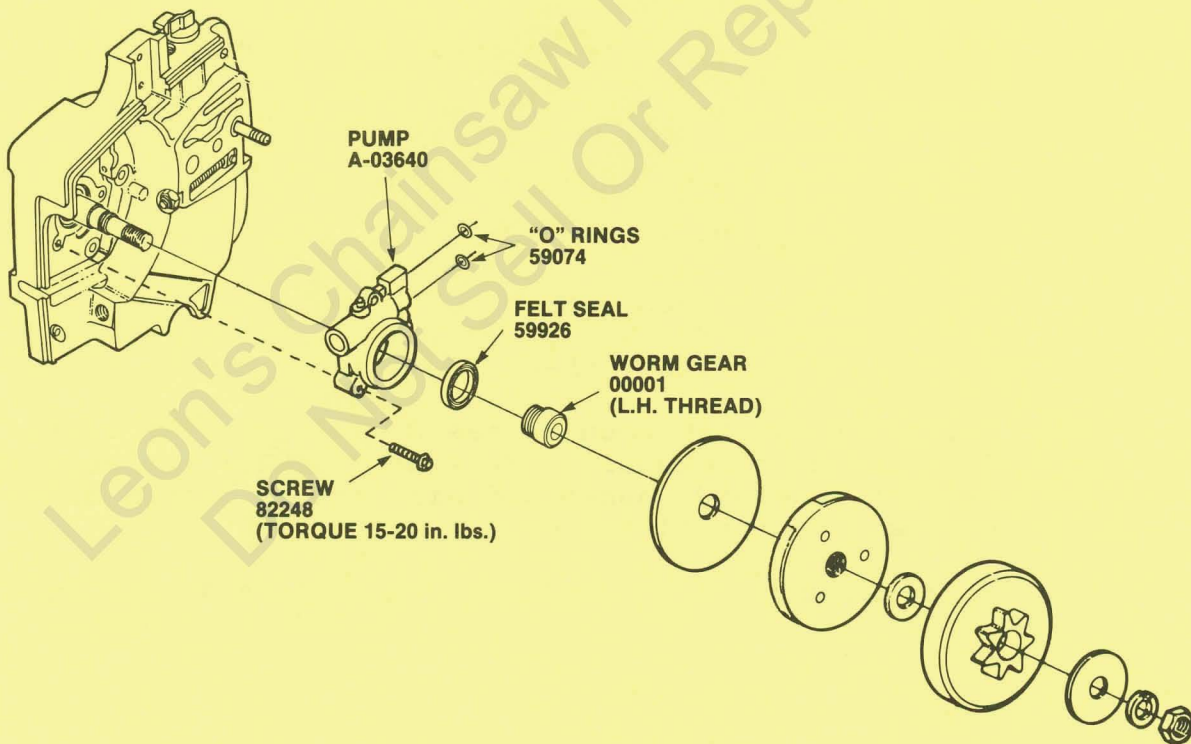
To install new pump assembly, first remove drivecase cover, (2) guide bar plates, guide bar and chain. Remove clutch assembly. Remove old pump assembly and discard.

New pump assembly consists of (1) pump, (3) hex-head screws, (1) worm gear (L.H. thread), (1) felt seal, and (2) "O" rings (see illustration).

Before installing new pump assembly, refer to illustration below. Make sure (2) "O" rings are in place before installation of pump. Felt seal may be pressed into place before or after pump is installed.

Pump is attached to chain saw body by (3) hex-head screws. Before installing screws, apply a drop of Loctite® Permanent Thread Locker No. 262 to each screw. Then install screws and **torque to 15-20 in. lbs.** Worm gear has left hand thread and is installed into pump and turned *counterclockwise* until seated (see illustration).

Reinstall clutch assembly, guide bar and chain, guide bar plates and drivecase cover.

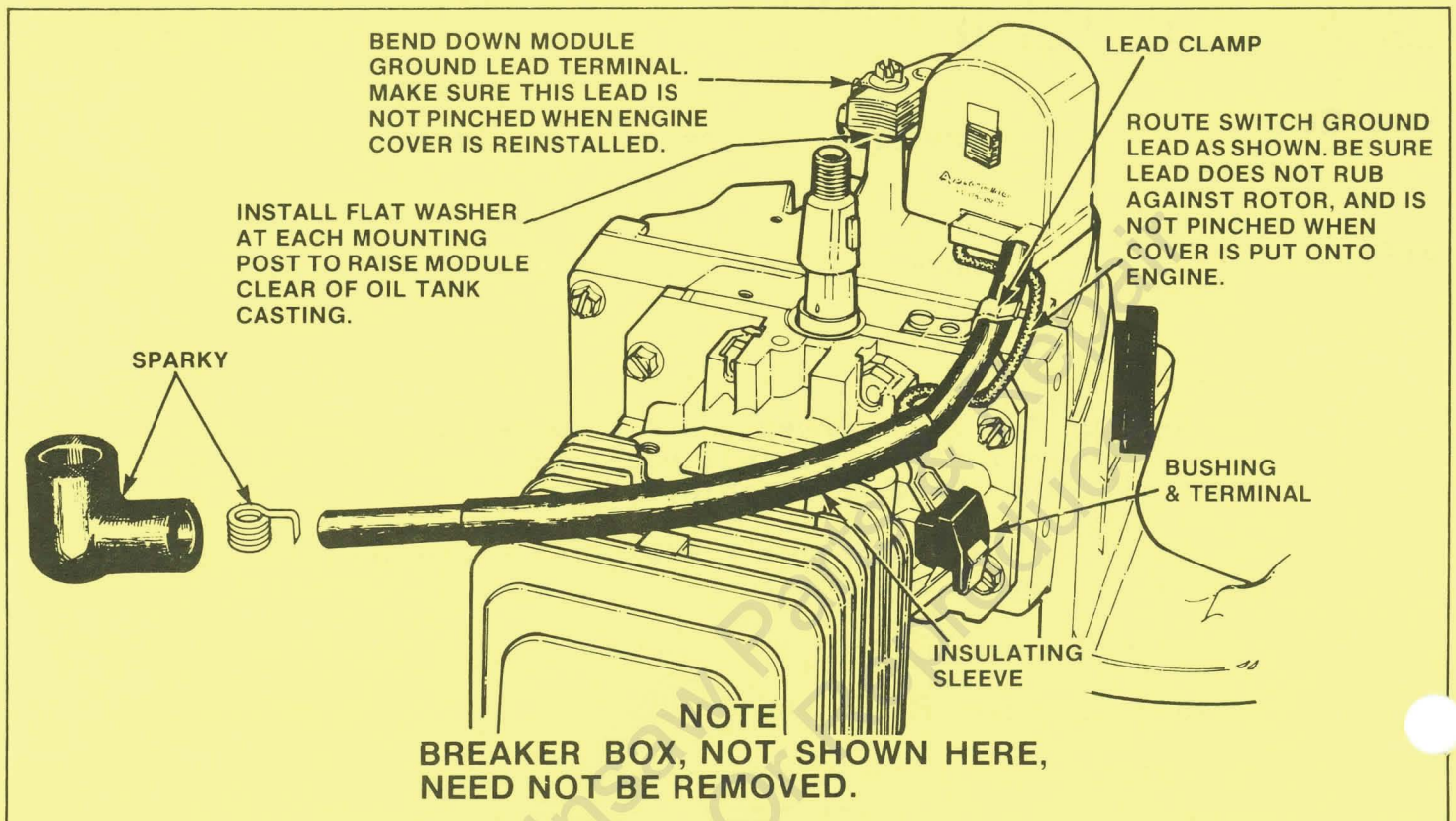


HOMELITE TEXTRON

Homeite Division of Textron Inc

INSTRUCTIONS

FOR CONVERTING MODEL 150 AO TO SOLID STATE IGNITION WITH PARTS FROM KIT #A-97026



A) KIT #A-97026 INCLUDES:

Module (Not Supplied Separately).....	1
84101 Washer-Flat (Spacer)	2
82248 Screw-Hex Hd. Mach.	2
96907-A Sleeve-Insulating	1
A-33055 Sparky (Terminal & Cover)	1

B) REMOVING OLD PARTS

NOTE

For clarity, the picture of the new installation shows the entire old ignition stripped from the unit. This can be done, but the following instructions tell how the conversion can be made without removal of the breaker box.

1. Remove the engine from the cover. Remove the rotor.
2. If you leave the breaker box in place, cut off the stop switch lead wire as close to the breaker box as possible.
3. Disconnect the siamese stop switch from the bushing and terminal.
4. Remove old coil and hi-tension lead, the condenser and the terminal block along with their fastening parts.

C) INSTALLING KIT #A-97026

1. Using #84101 flat washers as spacers between the mounting posts and the module, secure module to unit with two #82248 screws. Note that the short module ground lead must be secured under the head of the bottom screw.
2. Tuck the switch ground lead through the space between the mounting posts and under the module. Route the ground lead as illustrated above.
3. Bend down the terminal of the short module ground lead close to the metal coil core. This is necessary to fit inside the engine cover.
4. Connect the switch ground lead to the existing bushing and terminal.
5. Slide the 5-inch insulating sleeve (96907-A) onto the hi-tension lead and run it right up to the lead clamp. This sleeve insulates the lead from the cylinder.
6. Install the Sparky spring terminal and cover A-33055 on the hi-tension lead in the usual manner, and connect the lead to the spark plug.
7. After setting the rotor air gap to .015", reinstall the engine in its cover. Be sure the wires are not pinched by the cover.

NOTE

Check the length of the engine cover fastening screws. The screw at the module must not go past the casting boss or it will penetrate the module.

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DEALER INFORMATION, TECHNICAL
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CAN BE OBTAINED AT THIS NUMBER:

1-800-242-4672

NO. 192-008

STARTER

SUBJECT:

ALL NON-CLUTCH STRING TRIMMERS

AFFECTS:

It has come to our attention that a few Non-Clutch Trimmers have had the starter lock up after only a short time. Units that may be affected include those built in December of 1991 (HM336XXXX - HM365XXXX) and January of 1992 (HN001XXXX - HN031XXXX). We have isolated the problem to housings that are marked (P.N. 01025A CAV.No.2) see Fig.# 1 for location of this information.

The problem occurs when the screw holding the retainer is loose. A loose retainer screw can result from excessive flash under the retainer around the hole or the torque on the screw not being set properly. The condition can allow the pulley to lift up and contact the pawls on the rotor. The starter spring then comes out of the can, jamming the pulley against the rotor.

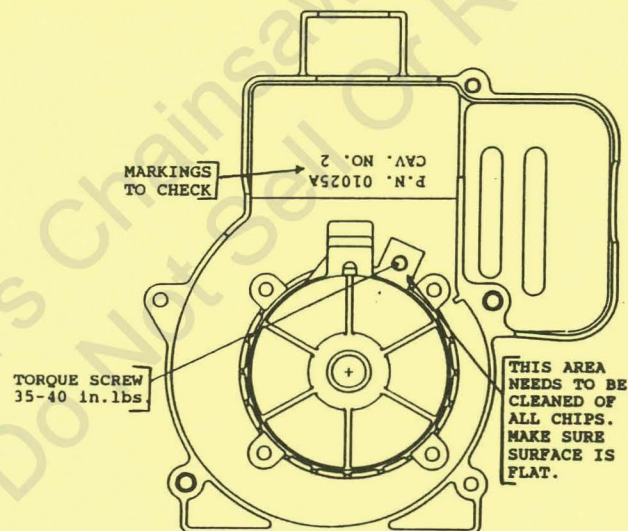


FIGURE #1

In order to properly repair the trimmer, remove all starter parts from the housing. Check the surface under the retainer. This surface needs to be cleaned of all flash/chips. Make sure the surface where the retainer fastens down is clean and flat. Retighten the retainer screw to a torque of 35 - 40 inch pounds.

Bob Donahey
Bob Donahey
Service/Field Quality Mgr.
Forestry Products

DATE 5/92

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1-800-242-4672

NO. 192-009

SUBJECT:

1. CURVED SHAFT TRIMMER ANTI WRAP SHIELD KIT
2. ST-275, HLT-28, ST-285 GEAR HEADS
3. 25 CC AND 30 CC ENGINE CHANGES
4. NEW PRODUCT INFORMATION

AFFECTS:

25 CC AND 30 CC STRING TRIMMERS AND BRUSHCUTTERS

1. ANTI WRAP SHIELD KIT:

Occasionally long grass will wrap around the string trimmer shaft just above the stringhead. This situation can be solved with the new Homelite Anti-Wrap Grass Shield Kit, Part # A04191. The kit contains a special string housing, anti-wrap shield, hardware, instruction sheet and installs in minutes. This is a ideal accessory for curved shaft trimmers.

NOTE: The kit is not a warranty item.

2. GEARHEADS: ST-275, HLT-28, ST-285BC

Homelite has elected to use three separate gear heads in the production of the listed units.

A driveshaft and gearbox chart is attached for quick reference. It is important that the UT number be noted to assure that the proper components are used. This information is also available in Parts List 18740.

3. 25 CC AND 30 CC ENGINE CHANGES

Changes have been made to improve the reliability and performance of the 25 cc and 30 cc powerheads. Clutch and non-clutch string trimmers will have unique powerheads eliminating the need for certain adapter shafts.

Because of the close tolerances of the new powerheads, the crankshaft, crankcase and crankcase components will no longer be supplied as individual service parts. Piston and rod assemblies used in the new powerhead are not retrofitable.

DATE 7/92

HOMELITE **TEXTRON**

Homelite Division of Textron Inc.

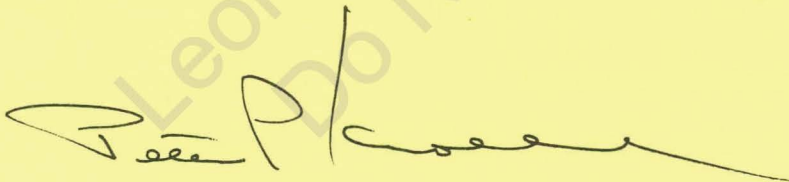
It is important that the UT number be noted to assure that the proper repair part is used. Refer to Parts Lists 18740 and 17968-D for repair parts for string trimmers and brushcutters. The UT numbers are listed on the front page of Parts List 18740 and on page 15 of Parts List 17968-D.

NOTE: Shortblocks are available for warranty repairs and can be obtained by contacting a Dealer Service Representative at 1-800-242-4672.

NEW PRODUCTS:

The model GST 18 UT 20593 is similar to a ST-175G (100° guard and loop handle) with a comfort strap.

The model GST-BC UT 15084-1 is similar to a ST285BC but has a solid shaft rather than a flex shaft.



Peter P. Knoell
Field Quality Assurance Mgr.































DRIVE SHAFT AND GEAR BOX INFORMATION

1992 ST275 HLT28 ST285BC


UNITS AS MANUFACTURED


SERVICE

REV. 7/92

MODEL	UT #	GEARHEAD	ADAPTERS	SPACERS	DRIVESHAFT	DRIVESHAFT HSG. W/DECALS	GEARHEAD	DRIVESHAFT HSG. WITH DECALS
ST 275	UT 20594		 04256	NONE	FLEXSHAFT 04167	53.19" LONG .530 FULL SLOT 	A04151 NOTE 1	A00090
ST 275	UT 20594-2			NONE	FLEXSHAFT 98818	53.82" LONG .530 FULL SLOT 	A04316	A00734
ST 275	UT 20594-1			YES EARLY UNITS HAVE SPACER IN GEARHEAD	FLEXSHAFT 98818	53.19" LONG .530 FULL SLOT 	A04151 NOTE: REMOVE SPACER FROM GEARHEAD	A00090
HLT 28	UT 20595-1		 04256	NONE	FLEXSHAFT 04167	53.19" LONG .530 FULL SLOT 	A04151 NOTE 1	A00666
HLT 28	UT 20595-2			NONE	FLEXSHAFT 98818	53.82" LONG .530 FULL SLOT 	A04316	A04379
HLT 28	UT 20595-A			NONE	FLEXSHAFT 98818	53.19" LONG .530 FULL SLOT 	A04151	A04379
ST 285BC	UT 20581-1			NONE	SOLID SHAFT 98832	54" LONG .530 FULL SLOT 	A03888	A00113-B
ST 285BC	UT 20581-2		 04256	NONE	FLEXSHAFT 04167	53.19" LONG .530 FULL SLOT 	A04151 NOTE 1	A00113-B
ST 285BC	UT 20581-B			YES EARLY UNITS HAVE SPACER IN TUBE ADPT.	FLEXSHAFT 98818	53.82" LONG .250 SHORT SLOT 	A04151 NOTE: REMOVE SPACER IN TUBE ADAPTER	A00113-B
ST 285BC	UT 20581-C			NONE	FLEXSHAFT 98818	53.82" LONG .530 FULL SLOT 	A04151	A04377

NOTE 1 FLEXSHAFT #98818 MUST BE USED WITH REPLACEMENT GEARHEAD

 SQUARE/FLEXSHAFTS

 SPLINE/SOLID SHAFTS/ADAPTERS

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TECHNICAL SERVICE BULLETIN

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CAN BE OBTAINED AT THIS NUMBER:

1-800-242-4672

NO. 192-010

SUBJECT:

SHORT BLOCK IDENTIFICATION

AFFECTS:

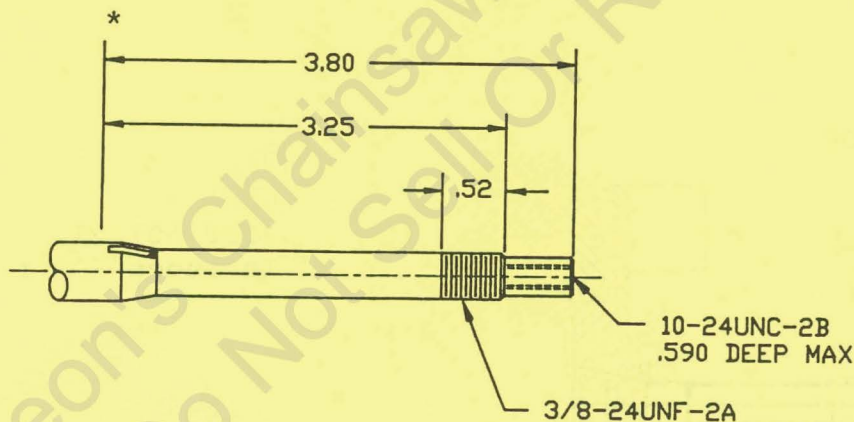
25 CC AND 30 CC PRODUCT

Homelite uses eight (8) unique short blocks for 25 cc and 30 cc products. Each one is specifically designed for a product's application and contains our Advanced Technology crankshaft.

This chart will help you identify and select the right short block to meet your customer's needs and application. Shown are the critical dimensions of the PTO.

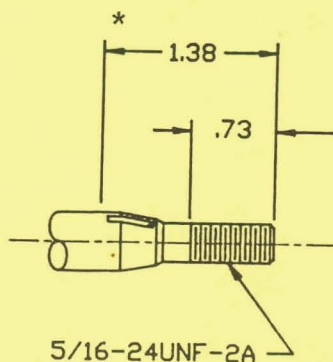
Trimmers with clutch

25cc A00408
30cc A00411



Trimmers without clutch, AP-125 and other units with
adapter shafts

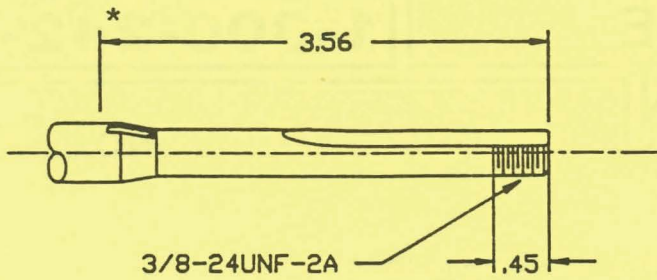
25cc A00410
30cc A00412



* NOTE: This point is
at the end of the
crankcase bearing
housing.

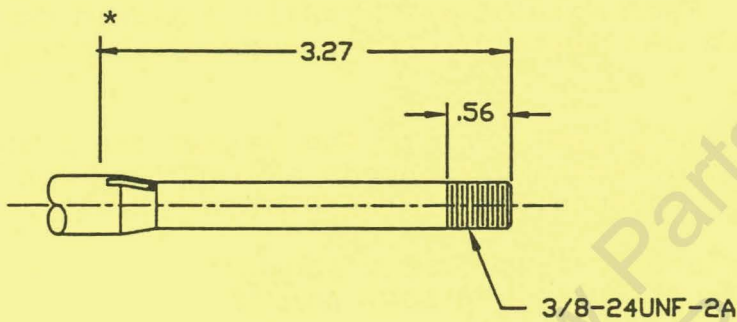
DATE 11/92

Back Pack and Hand Held Blowers



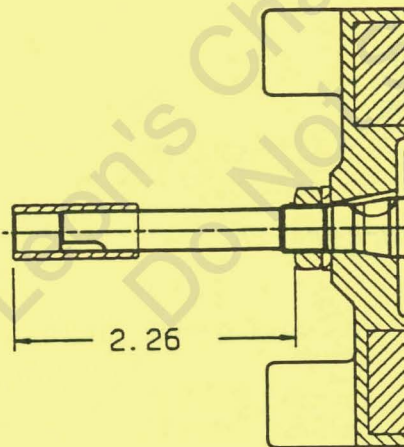
25cc A04305
30cc A01623A

Mini-Tiller



30cc A03710

MB-1000



30cc A01357
Includes Rotor

* Note: This point is
at the end of the
crankcase bearing
housing.

Peter P. Knoell
Field Quality Assurance Mgr.

HOMELITE®

TECHNICAL SERVICE

BULLETIN

DEALER INFORMATION, TECHNICAL
ADVICE AND PRODUCT INFORMATION
CAN BE OBTAINED AT THIS NUMBER:

1-800-242-4672

NO. 192-011

SUBJECT:

NEW HANDLE ASSEMBLY

AFFECTS:

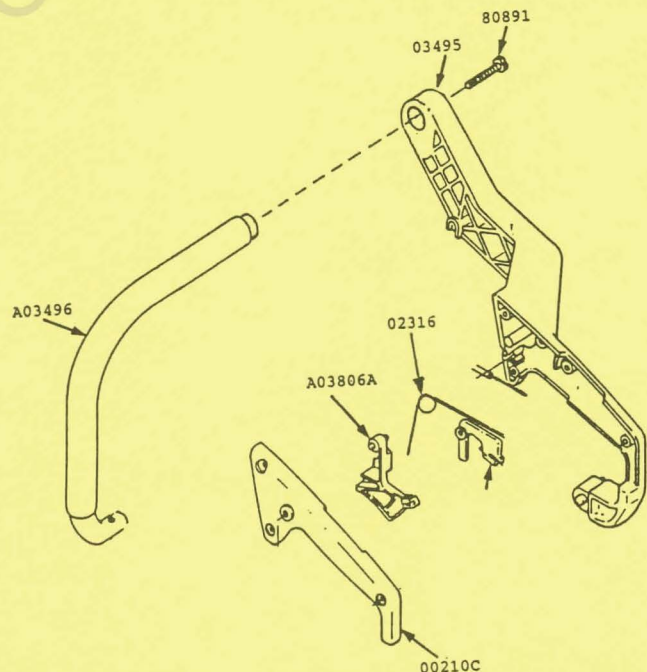
250 - 300 CHAIN SAWS

The assembly of the front and rear handles has been redesigned to strengthen the front handle on the above saws. The rear handle no longer has a long taper going into the center of the front handle. The new front handle (A03496) mates to the rear handle (03495) with a screw (80891) directly into the center of the front handle. This will allow the two pieces to fit together more tightly.

The swivel that was on the carburetor is now mounted on the trigger to further improve and simplify adjusting the throttle cable. This change will make the adjustment more convenient when servicing the handle assembly or the carburetor. The throttle return spring and the rear handle cover are also new.

Individual pieces of this new design cannot be interchanged with old handle assembly parts. The following breakdown and listing will give you the new part numbers:

<u>PART NO.</u>	<u>DESCRIPTION</u>
A03496	HANDLE BAR
03495	REAR HANDLE
00210C	COVER, REAR HNDL
80891	SCREW
02316	THROTTLE SPRING
A03806A	TRIGGER



Bob Donahey

Bob Donahey
Service/Field Quality Mgr.
Forestry Products

If your unit has the old style front and rear handle assembly. You can still order service parts from your parts list (18511/18456 rev.1).

DATE 11/92

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DEALER INFORMATION, TECHNICAL
ADVICE AND PRODUCT INFORMATION
CAN BE OBTAINED AT THIS NUMBER:

1-800-242-4672

NO. 192-012

SUBJECT:

CORRECTION TO PARTS LIST 18591

AFFECTS:

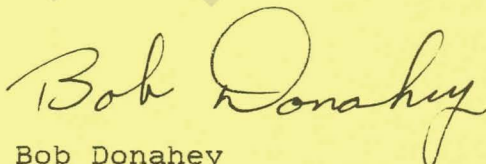
HBC-38

We have received several requests for a Tool Kit on the above unit. An HBC-38 Tool Kit P/N A02132 is now available for a service parts order.

The following corrections need to be made to your parts list (#18591).

PAGE	ACTION	PART NO.	DESCRIPTION
3	ADD NEW ITEM NO.77	70277	BRG., WRIST PIN
5	CHANGE PART NO. 33	03393	RING, GRASS SHIELD
5	CHANGE PART NO. 35	03155	BLADE GUARD
5	ADD NEW ITEM NO.63	02258	NUT CUP (WHEN USING BLADE ONLY)
7	ADD TO WALBRO CARB WT 213/WT 226	03188	CHOKE SHAFT AND- LEVER

Please make note of the above changes for your records.
They will be incorporated on the next parts list produced.



Bob Donahey
Service/Field Quality Mgr.
Forestry Products

DATE 11/92

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CAN BE OBTAINED AT THIS NUMBER:

1-800-242-4672

NO. 192-013

SUBJECT:

NEW CHOKE SHAFT AND LEVER

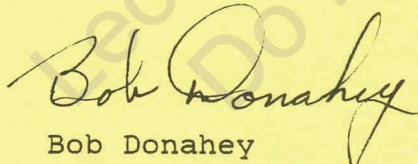
AFFECTS:

WALBRO CARBURETORS

We have released part numbers for the choke, shaft and lever assembly, to make it easier to service a Walbro carburetor if the lever on the choke shaft breaks or strips out.

Below is the list of units and the carburetors these shaft and lever assemblies will fit. Parts lists will be changed at the time they are reprinted.

<u>UNITS</u>	<u>WALBRO CARB</u>	<u>SHAFT & LEVER P/N</u>
ALL GAS STRING TRIMMERS	WT191/WT220	03176
HAND HELD BLOWERS	WT212A	03176
BACKPACK BLOWERS	WT199A	03176
AP-125 UT-01704	WT179	03176
HBC 38	WT213/WT266	03188
E-200 EDGER	WT236	03200
30 CC TILLER	WTA18	03222
AP-125 UT-01704A	WT244	03207



Bob Donahey
Service/Field Quality Mgr.
Forestry Products

DATE 11/92

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TECHNICAL SERVICE

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ADVICE AND PRODUCT INFORMATION
CAN BE OBTAINED AT THIS NUMBER:

1-800-242-4672

NO. 192-014

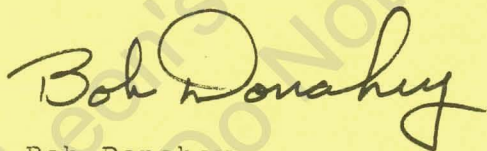
SUBJECT: CLUTCH HOUSING SHIELD KIT

AFFECTS: HBC-38

A new clutch housing shield is now available for the above unit. The purpose of this shield is to prevent the operator from coming in contact with the clutch housing.

When the HBC-38 is being used with the stringhead and the line is extended beyond the recommended eighteen inch cutting swath, the added load on the engine may increase the surface temperature of the clutch housing.

PART NO.	DESCRIPTION
A03638	CLUTCH HOUSING SHIELD KIT



Bob Donahey
Service/Field Quality Mgr.
Forestry Products

DATE 12/92

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TECHNICAL SERVICE

BULLETIN

DEALER INFORMATION, TECHNICAL
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CAN BE OBTAINED AT THIS NUMBER:

1-800-242-4672

NO. 292-001

190HY50-1A GENERATOR ARMATURE WINDING

SUBJECT:

UT 03613 SERIAL NUMBERS: HM3510001 THRU HM3510020
HN0210001 THRU HN0210027
HN0790001 THRU HN0790025

AFFECTS:

The 190HY50-1A Generators with the above Serial Numbers, may have the armature wired incorrectly.

To verify that the Generator is wired correctly, the HY Generators should be tested with a correctly wired high cycle vibrator or a phase meter. If the phase meter or vibrator rotates in a clockwise direction, the Generator armature is wired correctly. If however, the phase meter or vibrator rotates in a counter clockwise direction the armature must be rewired.

Armature rewiring procedure:

1. Disconnect spark plug wire from plug to prevent accidental starting.
2. Remove both brush head covers.
3. Make a note of original wiring.
4. Desolder lead wires from the connecting posts on the slip ring nearest the brush head bearing.
5. Reverse leads.
6. Strip wire.
7. Use needle nose pliers to bend a "U" shape in the wire. Place the wire along the top of the slip ring as shown. (Fig. 1)
8. Solder wire to slip ring connecting post as shown (Fig. 2), hold down if necessary but do not allow movement. Movement of the wire may cause a cold solder joint.
9. Cut off excess wire.
10. Test with V.O.M. for continuity and ground faults.
11. Retest Generator for proper rotation.

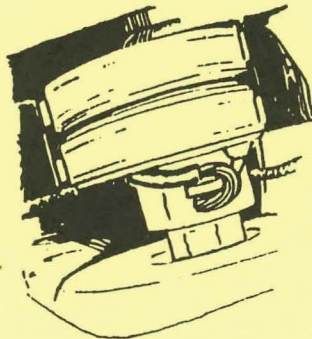


FIGURE 1

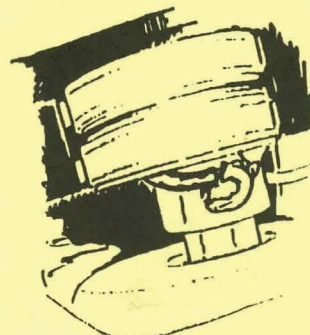


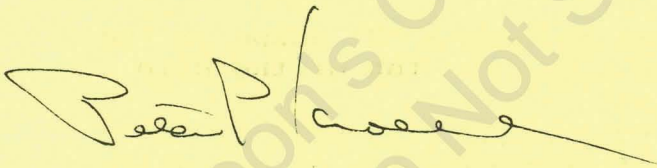
FIGURE 2

DATE 5/92

A special fail code has been created for this repair. File a warranty for each Generator repaired.

Fail Code: CV 42
Job Code: CV 420
Flat Rate: 1 Hour

NOTE: 190HY50-1A Generators received after May 3, 1992 do not have to be tested for phase.



Peter P. Knoell
Field Quality Assurance Mgr

HOMELITE®

TECHNICAL SERVICE

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1-800-242-4672

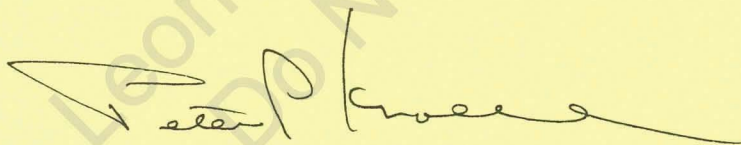
NO. 292-002

SUBJECT: AP-125 CHANGES

AFFECTS: UT-01704-A

Changes have been made to improve the reliability and performance of the AP-125 pump. Because of the close tolerances of the new powerhead, the crankshaft, crankcase and crankcase components will no longer be supplied as individual service parts. Piston and rod assemblies are not retrofittable. The carburetor has been changed to improve speed adjustment. The throttle (02917) and carburetor (A02892 or A02893) will not be used on UT-01704A. In its place a new carburetor (A04331) with a integral throttle with two preset speed settings will be used.

To assure that the proper repair part is used refer to Parts List 18748 for UT-01704A and Parts List 18495 for UT-01704.



Peter P. Knoell
Field Quality Assurance Manager

DATE 10/92

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TECHNICAL SERVICE

BULLETIN

DEALER INFORMATION, TECHNICAL
ADVICE AND PRODUCT INFORMATION
CAN BE OBTAINED AT THIS NUMBER:

1-800-242-4672

NO. 392-004

SUBJECT: ELECTRIC TRIMMER CHANGES

AFFECTS: ALL ELECTRIC STRING TRIMMERS

To improve servicing a complete wiring harness consisting of a cord, switch and electrical cable will be supplied as a service part.


The improved wiring harness will also be included with handle or motor housing assemblies.

Listed below are the part numbers, models and applicable handles or housings that include the wiring harness.

MODEL	PART NUMBER	INCLUDED WITH
ST-40/60	A00008	A02974 HANDLE
ST-20	A98627B	A02973 HANDLE
ST-10/10A	A00009	A02972 HANDLE
ST-30/70	A00859*	A02975 MOTOR HOUSING

* Includes cord set and switch only.

(Switch 93013A will no longer be supplied as an individual Service Part.)



Peter P. Knoell
Field Quality Assurance Manager

DATE 10/92

HOMELITE® TECHNICAL SERVICE BULLETIN

DEALER INFORMATION, TECHNICAL
ADVICE AND PRODUCT INFORMATION
CAN BE OBTAINED AT THIS NUMBER:

1-800-242-4672

NO. 392-005

SUBJECT:

HEDGETRIMMER CHANGES

AFFECTS:

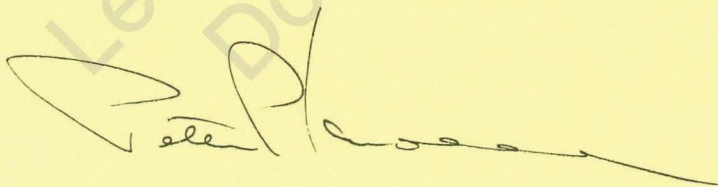
17" AND 21" HEDGETRIMMERS

UT#'S	18007	18007A	18007B	18008
	18008A	18008B	18009	18009A
	18009B	180011	180011A	180014
	180014A	180015	180015A	180015B
	180016	180016A	180017	180017A
	180018	180020	180020A	

The Homelite "Advanced Technology" crankshaft, designed to improve performance and reliability of 16 cc powerhead, is now used on all hedgetrimmers. Because of the close tolerances of the new powerhead, crankcase, crankcase components and crankshafts will be no longer supplied for the above hedgetrimmers. In place of these service parts a short block A02069A will be used. If crankshaft, crankcase components and crankcase are ordered a short block will be sent in their place.

If ordering a short block for HT-17 UT 18007, a cover (01836) and gasket (00946) must also be ordered.

Refer to parts list 18856 for the proper service parts.



Peter P. Knoell
Field Quality Assurance Manager

DATE 10/92

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DEALER INFORMATION, TECHNICAL
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CAN BE OBTAINED AT THIS NUMBER:

1-800-242-4672

NO. 392-006

SUBJECT:

1. HB/BP BLOWER POWERHEAD AND FAN CHANGES
2. BLOWER FAN CHANGES

AFFECTS:

UT:	08009A	08010A	08011B
	08017B	08018B	08019A

1. Homelite's "Advanced Technology" crankshaft is now being used on the hand-held and backpack blowers listed above. The use of this crankshaft eliminates the need to use the 00377 adapter shaft. Because of the close tolerances of the crankshaft, the crankcase, crankcase components and crankshaft will no longer be supplied as individual service parts. The new piston and rod assembly used is not retrofitable to other units. (Please refer to Parts List 18784 for the correct service parts for the units listed.)
2. Blower fan kit A00503 replaces kit A03898 on all HB-100, HB-180, HB-180V and BP-250 blowers. The kit contains a fan and 2 fan adapters ("D" shaped and round) and an instruction sheet to explain the installation.



Peter P. Knoell
Field Quality/Assurance Mgr.

DATE 10/92

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CAN BE OBTAINED AT THIS NUMBER:

1-800-242-4672


NO. 392-007

SUBJECT: PARTS FOR RT 5 AND FT 5 TILLERS

AFFECTS: RT 5 AND FT 5 TILLERS

The RT 5 tiller and the FT 5 tiller were manufactured for Homelite by Parmi Tool Co., Inc., East Price Street, Lynn, Indiana 47355 (317-874-2575). When current supplies of related parts are exhausted, order parts directly from your nearest Parmi Distributor. A list of Parmi Distributors is enclosed.

A cross reference of Homelite part numbers to Parmi part numbers is also attached.


Bill Borachok
Service Manager
Lawn and Garden

DATE 11/92

RADCO DIST.
6261 POWERS AVE
JACKSONVILLE FL 32207
904 733 7957

ORIGINAL EQUIPMENT CO
HWY. 71 SOUTH
PO BOX 427
GREENWOOD AR 72936
501 996 6844

ACE DISTRIBUTORS
2103 MAGNOLIA AVE NE
KNOXVILLE TN 37917
615 524 5359

TUPELO HARDWARE CO
MAIN & FRONT STREETS
TUPELO MS 38801
601 842 4637

AUGUSTA LAWN MOWER PARTS
1244 BROAD ST
AUGUSTA GA 30902
404 722 1579

CHILTON AIR COOLED ENGINE
319 FOURTH AVE S
NASHVILLE TN 37215
615 254 1634

TRI-STATE AIR COOLED ENGINE
263 W MAIN ST
JOHNSON CITY TN 37605
615 928 7107

MEDARTS OF MEMPHIS
4365 OLD LAMAR
MEMPHIS TN 38118
901 795 4365

DIXIE SALES
PO BOX 1408
GREENSBORO NC 27402
800 753 4943
919 375 7500

JENSEN HARDWARE CO
HWY 411
PO BOX 157
ODENVILLE AL 35120
205 640 7041

PARMI TOOL CO
EAST PRICE ST
PO BOX 326
LYNN IN 47355
317 874 2575

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

HOMELITE P/N	DESCRIPTION	PARMI P/N
1212 01	V-BELT	PT/01244/00
1212 02	CABLE, CLUTCH	PT/02132/00
1212 03	NUT ACORN 10-24	PT/02124/00
1212 04	LEVER CLUTCH CONTROL	AS/01440/00
1212 05	HANDLE RH	AS/00279/00
1212 06	KNOB THRTL CONTROL	PT/01466/00
1212 07	HANDLE LH	AS/00278/00
1212 08	GRIP HANDLE	PT/01441/00
1212 09	BRACE HANDLE LH	AS/01438/00
1212 10	HAIRPIN COTTER #3	PT/01443/00
1212 11	HOLDER DEPTH BAR	AS/01463/00
1212 12	DEPTH BAR	AS/0140A/00
1212 13	PIVOT PIN 3/8X1 5/8	PT/01445/00
1212 14	WHEEL 10 X 1.75	PT/03391/00
1212 15	YOKE WHEEL	AS/01401/00
1212 16	TINE LH OUTER	AS/01430/00
1212 17	PIVOT PIN 3/8X2	PT/01444/00
1212 18	TINE INNER LH	AS/01431/00
1212 19	TRANSMISSION	AS/01405-4/00
1212 20	TINE INNER RH	AS/01433/00
1212 21	TINE OUTER RH	AS/01432/00
1212 22	FRAME ENGINE BASE	AS/01400A/00
1212 23	BRACKET HANDLE ADJ	AS/01335/00
1212 24	SUPPORT TRANS RH	AS/01403/00
1212 25	SPACER	AS/01475/00
1212 26	SPACER	AS/01335/00
1212 27	SPACER	PT/11763/00
1212 28	PULLEY 10"	AS/01414/00
1212 29	CONTROL THROTTLE	PT/01465/00
1212 30	SHIELD TINE	AS/01482/00
1212 31	SUPPORT TRANS LH	AS/01402/00
1212 32	PULLEY IDLER	PT/01428/00
1212 33	BRACE HANDLE RH	AS/01457/00
1212 34	ARM CLUTCH IDLER	AS/01452/00
1212 35	PLATE HANDLE	AS/01462/00
1212 36	CLIP CABLE 1"	PT/00837/00
1212 37	SPRING CLUTCH	PT/00280/00
1212 38	RETAINER BELT	AS/01454/00
1212 39	PULLEY 2" X 3/4 BORE	PT/01415/00
1212 40	HUB TINE OUTER	AS/01449/00
1212 41	HUB TINE INNER	AS/01447/00
1212 42	BLADE TINE LH	PT/01460/00
1212 43	BLADE TINE RH	PT/01459/00
1212 44	WASHER FELT	PT/01456/00
1212 45	SEAL OIL 1 1/4"	PT/01423/00
1212 46	INNER RACE BRG	PT/01410/00
1212 47	SPROCKET 9-36 TOOTH	PT/01408/00
1212 48	SPROCKET SHAFT INPUT	AS/02222-1/00
1212 49	CHAIN 35X50	PT/01425/00
1212 50	BRG NEEDLE	PT/01422/00
1212 51	COVER TRANS LH	AS/01417A/00
1212 52	SPACER TINE SHAFT	AS/01407/00
1212 53	SPROCKET SHAFT TINE	AS/01406/00

HOMELITE P/N	DESCRIPTION	PARMI P/N
1212 54	CHAIN 50X40	PT/01424/00
1212 55	GASKET	PT/01420/00
1212 56	BRG OILITE 5/8	PT/01419/00
1212 57	CAP BRG 13/16	PT/01421/00
1212 58	PLUG OIL FILL	PT/02269/00
1212 59	COVER TRANS RH	AS/01418A/00
1212 60	RING RET 5/8	PT/01412-1/00
1212 61	SEAL OIL 5/8ID	PT/60015/00
1212 62	BRG OILITE 5/8	PT/01419/00
1212 63	SCREW 10-32X3/8	PT/02128/00
1212 64	BOLT SHOULDER	PT/01446/00
1212 65	LOCKNUT FLANGE 3/8-16	PT/00320A/00
1212 66	GUARD BELT	AS/01467AA/00
1212 67	SCREW 1/4-20X3 1/4	PT/01388/00
1212 68	KEY 3/16X3/16X7/8	PT/00921/00
1212 69	SCREW TRUSS HD	PT/00821/00
1212 70	LOCKNUT FLANGE 10-32	PT/02129/00
1212 71	SCREW 1/4-20X1/2	PT/00115/00
1212 72	WASHER FLAT 1/4	PT/01380/00
1212 73	SCREW 5/16-24X1/4	PT/11532/00
1212 74	BEARING NEEDLE	PT/01409/00
1212 75	SCREW 10X3/8	PT/02125/00
1212 76	WASHER THRUST	PT/02270/00
1212 77	WASHER SEALING	PT/02460/00
1212 78	LOCKNUT	PT/00116/00
1212 79	WHEEL & TIRE LH	PT/03330L/00
1212 80	WHEEL & TIRE RH	PT/03339R/00
1212 81	HUB TINE INNER	AS/02120/00
1212 82	HUB TINE CTR	AS/02121/00
1212 83	HUB TINE OUTER	AS/60500/00
1212 84	TINE CTR RH	AS/02189/82
1212 85	TINE CTR LH	AS/02188/82
1212 86	TINE OUTER RH	AS/60106/82
1212 88	TINE OUTER LH	AS/60112/82
1212 89	TRANSMISSION	AS/60032/00
1212 90	SPROCKET TINE	PT/01487H/00
1212 91	CHAIN 41X32	PT/01492H/00
1212 92	TRANSMISSION	AS/60900/82
1212 93	PULLEY 5X5/8ID	PT/01477/82
1212 94	SHAFT	PT/60119/00
1212 95	SPACER	PT/60143/00
1212 96	SPACER	PT/02291-1/00
1212 97	TIE CABLE	PT/97029B/00
1212 98	HAIRPIN COTTER	PT/97026/00
1213 01	PLATE HNDL UPPER	AS/60040/81
1213 02	BAR DEPTH	AS/60080/82
1213 03	GUARD BELT	PT/60032/00
1213 04	HUB WHEEL	AS/60113/00
1213 05	WHEEL & TIRE RH	PT/03337-B/00
1213 06	WHEEL & TIRE LH	PT/03337-B/00
1213 07	HUB TINE INNER	PT/02120/00
1213 08	HUB TINE CTR	AS/60114/00
1213 09	HUB TINE OUTER	AS/60115/00

HOMELITE P/N	DESCRIPTION	PARMI P/N
1213 10	TINE BLADE RH	PT/02123/00
1213 11	TINE BLADE LH	PT/02122/00
1213 12	PULLEY DBL 5X2	AS/60123/82
1213 13	ARM IDLER	AS/60100/82
1213 14	V BELT	PT/60017/00
1213 15	V BELT	PT/60018/00
1213 16	TINE INNER RH	AS/02118/00
1213 17	TINE INNER LH	AS/02116/00
1213 18	TINE CTR RH	AS/60108/82
1213 19	TINE CTR LH	AS/60111/82
1213 20	TINE OUTER RH	AS/60107/00
1213 21	TINE OUTER LH	AS/60110/00
1213 22	TRANSMISSION	AS/01486A/00
1213 23	TRANSMISSION TINE	AS/60031/00
1213 24	PLATE TRANS MTG	AS/60101/82
1213 25	FRAME AND ENG BASE	AS/60029/82
1213 26	PULLEY 5X5/8	PT/60009/00
1213 27	BRKT HNDL MTG	AS/60050/81
1213 28	SHIELD TINE LH	AS/60099-1/81
1213 29	SHIELD TINE RH	AS/60099-2/81
1213 30	HINGE	AS/02272-3/81
1213 31	SUPPORT HINGE	AS/02205/81
1213 32	SHIELD REAR	AS/02186/81
1213 33	BRKT MTG FRONT	AS/60094/82
1213 34	BRKT MTG REAR	AS/60095/82
1213 35	PLATE BACK	AS/60102/81
1213 36	RETAINER BELT	PT/60008/00
1213 37	PULLEY 2X1/4	PT/60011/00
1213 38	PULLEY 2X3/8	PT/60019/00
1213 39	PULLEY 3X3/4	PT/60010/00
1213 40	RETAINER BELT	PT/60007/00
1213 41	V-BELT	PT/60010/00
1213 42	CLIP CABLE	AS/60030/82
1213 43	ARM IDLER	AS/60091/82
1213 44	PULLEY IDLER	PT/20038/00
1213 45	CABLE TINE DR	PT/08842/00
1213 46	GRIP PALM	AS/60093/82
1213 47	CABLE	PT/08841/00
1213 48	CONTROL THROTTLE	PT/08840/00
1213 49	RETAINER BELT	PT/60003/00
1213 50	HANDLE RH	AS/60034/82
1213 51	HANDLE LH	AS/60033/82
1213 52	BRACE HANDLE RH	AS/60071/82
1213 53	BRACE HANDLE LH	AS/60070/82
1213 54	SHAFT PULLEY	AS/60119/00
1213 55	WASHER SUPPORT	PT/60020/00
1213 56	SPACER	AS/60143/00
1213 57	SPACER	AS/60144/00
1213 58	SPACER	AS/60147/00
1213 59	SPACER	AS/60116/00
1213 60	SPACER	AS/40006/00
1213 61	WOODRUFF KEY #5	PT/01355/00
1213 62	SPACER	AS/02001-2/00

HOMELITE P/N	DESCRIPTION	PARMI P/N
1213 63	SPACER	AS/60146/00
1213 64	SPRING RETURN	PT/60014/00
1213 65	SPACER	AS/60120/00
1213 66	ARM IDLER	AS/60092/82
1213 67	BRACKET	AS/60060/00
1213 68	PLATE HANDLE	AS/60096/81
1213 69	SPACER	/02256-1
1213 70	GASKET	PT/01493/00
1213 71	SHAFT SPROCKET	PT/02222-1/00
1213 72	CHAIN 35X60	PT/01491/00
1213 73	SEAL OIL 1"	PT/01489/00
1213 74	BEARING 1"	PT/01488/00
1213 75	COVER TRANS LH	AS/01485/82
1213 76	SPACER TINE SHAFT	AS/02143/00
1213 77	SHAFT SPROCKET TINE	AS/01487/00
1213 78	CHAIN 41X32	PT/01492/00
1213 79	WASHER SEALING #10	PT/02460/00
1213 80	BEARING NEEDLE	PT/01409/00
1213 81	SPROCKET 9-54	PT/01490/00
1213 82	COVER TRANSMISSION	AS/01484/82
1213 83	SCREW FL HD	PT/00118/00
1213 84	NUT LOCK	PT/08878/00
1213 85	SCREW 10-24X2 1/4	PT/60146/00
1213 86	SCREW 10-24X2 3/4	PT/60027/00
1213 87	KEPNUT 10-24	PT/05104/00
1213 88	GRIP HANDLE	PT/01441A/00
1213 89	NUT LOCK	PT/01353/00
1213 90	SCREW 3/8-16X3/4	PT/03315/00
1213 91	KEY 3/16X3/16X3/4	PT/00922/00
1213 92	SCREW 1/4-20X3 1/2	PT/60026/00
1213 93	SCREW 1/4-20X 1/2	PT/01031/00
1213 94	SCREW 8-32X1 3/16	PT/60147/00
1213 95	NUT LOCK	PT/90632/00
1213 96	BEARING OILITE	PT/60013/00
1213 97	BEARING RET	PT/01412-A/00
1213 98	SCREW 1/4-20X 1/8	PT/0115/00
1213 99	ARM IDLER	AS/60090/82
3103 01	SPACER	PT/60116/00
3103 02	SPACER	PT/40006/00
3103 03	SPACER	PT/02001-2/00
3103 04	SPACER	PT/60120/00
3103 05	BRACKET CABLE	AS/60060/82
3103 06	GUARD ROCK	AS/60150/82
3103 07	TINE BLADE RH	PT/60400/00
3103 08	TINE BLADE LH	PT/60401/00
3103 09	SHAFT SPROCKET TINE	AS/60000A/00
3103 10	TINE INNER LH	AS/60104/82
3103 11	TINE INNER RH	AS/60105/82
3103 12	BUSHING	PT/60139/00