

Technical Information

STIHL®

T.16.87

ENGINEERING CHANGES ON MODEL 034 CHAIN SAWS (SERIES 1125)

New "Super" versions:

Model 034 chain saws are now being produced in an updated Super version. The increase in power has been achieved by installing a new bigger bore cylinder and piston.

The sales designations of the new versions have the "Super" suffix after the letters "AV".

Example: 034 AV Super electronic Quickstop (034 AVSEQ).

Specifications of 034 S :

Displacement:	62 cm ³ (3.75 cu. in.)
Bore:	48 mm (1.89 in.)
Stroke:	34 mm (1.34 in.) (unchanged)
Engine power:	3.3 kW (4.5 bhp)

Maximum permissible engine speed with bar and chain: 13,000 rpm

The introduction of the Super versions necessitated modification of a number of parts. The parts concerned have been allocated new part numbers.

The boost in power for the Super versions has been achieved by increasing the bore from 46 to 48 mm (1.81 to 1.89 in.) and thus upping displacement from 56.4 to 62 cm³ (3.44 to 3.75 cu. in.).

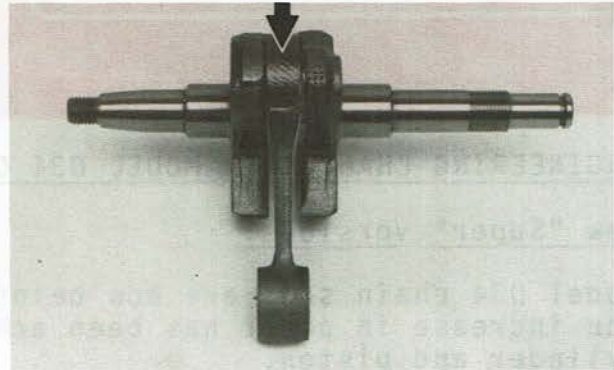
Cylinders with different types of electroplated bores (chrome or Nikasil) are installed on the production line to suit national requirements and operating conditions (intake air loaded with dust, sand etc.). However, only the Nikasil cylinder and piston will be supplied as spares.

Important: The Super cylinder must not be installed in standard-type machines.

The Cylinder Gasket, 1119 029 2301, has not been affected by the change.

In addition to the new lightweight piston, a new lower weight Piston Pin, 1125 034 1500 and a Piston Ring, 1125 034 3001, with a height of only 1.2 mm (0.05 in.), are installed as standard and available as spares. The new piston rings ensure a good operating behavior at high engine speeds in particular (reduced tendency to flutter etc.).

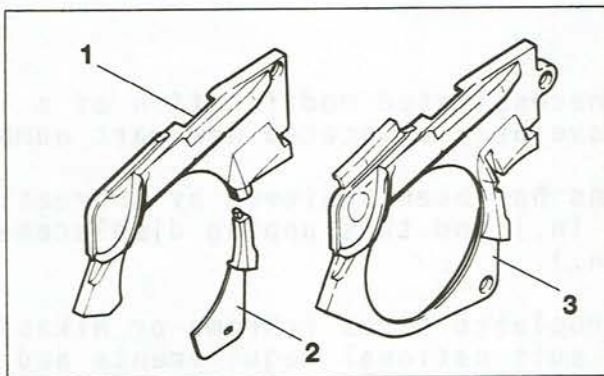
A lighter connecting rod is installed in the new Crankshaft, 1125 030 0401, and comfortably withstands the higher loads in the uprated engine. The new light-weight connecting rod and piston pin mean that the out-of-balance forces in the new engine are much lower.



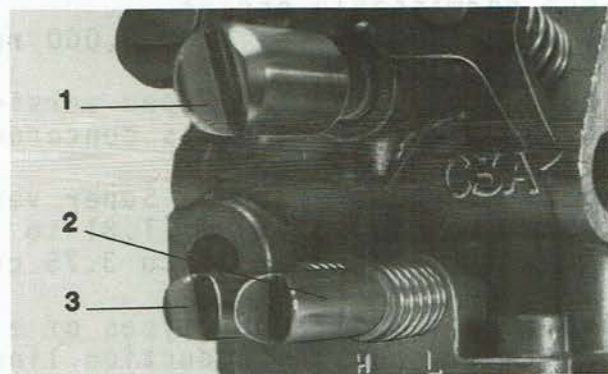
New Crankshaft, 1125 030 0401

A steel ring is integrally cast in the new Crankcase, 1125 020 2107, and serves as the seat for the ball bearing at the clutch side. It guarantees that the ball bearing's tight fit is maintained even under extreme operating conditions.

A new, one-part Cover, 1125 021 1101, is used to protect the component parts of the chain brake and the oil pump. In previous versions of the 034, the chain brake and oil pump were protected by a separate cover and cover plate. The new cover can only be used together with the new Crankcase, 1125 020 2107.



- 1 = Original cover
- 2 = Cover plate
- 3 = New one-part cover



- 1 = Idle adjustment screw
- 2 = Low speed adjustment screw
- 3 = High speed adjustment screw

It was necessary to install a new Carburetor on the uprated engine. The part number of the new carburetor is 1125 120 0604. It is made by Zama and has the designation C3A-S4. Compared with the original carburetor, the fuel and air mixture control is different over the whole rpm range.

Assuming the carburetor is correctly adjusted, this produces very good acceleration and ensures that the engine's maximum permissible rpm is not exceeded. Although maximum engine speed can still be increased by weakening the mixture with the high speed adjusting screw, the result is a deterioration in throttle response, i.e. acceleration. The intention behind this is to encourage the saw operator not to run an over-lean mixture.

This change counteracts the risk of engine damage as a result of overheating and insufficient lubrication.

A modified Choke Rod and Grommet will be installed together with the new carburetor. These parts can also be used for original-type machines.

The new Exhaust Gasket, 1125 149 0601, is a sheet-steel pressing with a bead around its edge. This gasket will be installed on other models in the near future because it has very favorable setting properties.



New exhaust gasket with a bead around its edge.

Service note:

The muffler fastening screws must be coated with medium-strength thread-locking Fluid, 0786 111 1101 (LOCTITE 242), and tightened down to a torque load of 9.5 to 10.5 Nm (7 - 7.7 lbf. ft.).

The new Carburetor, 1125 120 0604, can be installed in original-type machines only if the new Grommet, 1125 123 7506, and new Choke Rod, 1125 185 2001, are fitted at the same time.

Note:

A Shroud, 1125 080 1606, with Nameplate, 1125 967 1501, already fitted (034 AVSEQ) is available as a spare. The nameplate is also available as a separate item. All other parts are the same as those of the existing shroud. The optional Shroud, 1125 080 1603, for winter operation, will be supplied without a nameplate in the future. This means it can be used as a general replacement for all model versions. The new Crankcase, 1125 020 2107, is supplied together with the new Cover, 1125 021 1101.

New spare parts included in Super versions of 034:

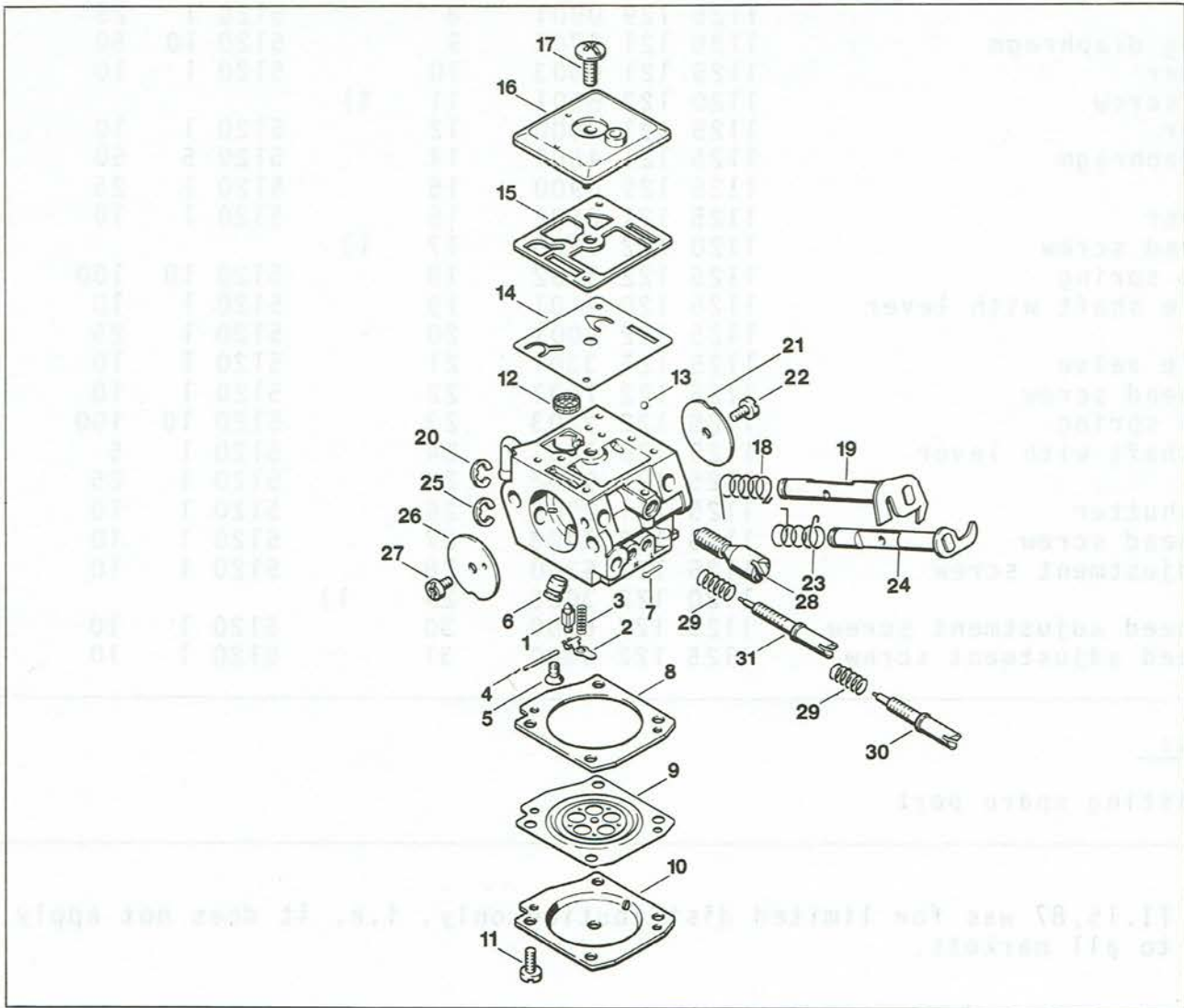
1. General:

Part Name	Part No.	Key	Rem.	WG	MAM H	MAM V
Crankcase, complete with bearings including item 2:	1125 020 2107	1	2)3)	5021	1	1
Cover	1125 021 1101	2	2)3)	5020	1	10
Crankshaft	1125 030 0401	3	2)	5031	1	1
Cylinder with piston including items 5 to 7:	1125 020 1204	4	1)	5022	1	1
Piston	1125 030 2001	5	1)	5032	1	1
Piston ring (1.2mm/0.047 in.)	1125 034 3001	6	1)	5030	1	10
Piston pin	1125 034 1500	7	1)	5030	1	10
Exhaust gasket	1125 149 0601	8	2)	5140	10	50
Shroud including item 10:	1125 080 1606	9	1)	5080	1	1
Nameplate	1125 967 1501	10	1)	5950	1	10
Carburetor C3A-S1 including (see 2.)	1125 120 0604	11	1)	5121	1	1
Grommet	1125 123 7506	12	2)	5120	1	10
Choke lever	1125 185 2001	13	2)	5120	1	10

Remarks:

- 1) For 034 S versions only
- 2) General replacement for all model versions of 034
- 3) Cover, 1125 021 1101, can only be installed with Crankcase, 1125 020 2107

2. Carburetor:



Part Name	Part No.	Key	Rem.	WG	MAM H	MAM V
Carburetor C3A-S4 consisting of items 1 to 31:	1125 120 0604			5121	1	1
Inlet needle	1125 121 5100	1		5120	1	10
Inlet control lever	1125 121 5000	2		5120	1	10
Spring	1120 122 3004	3	1)			
Spindle	1120 121 9200	4	1)			
Collar screw	1120 122 6600	5	1)			
Valve jet	1125 121 5401	6		5120	1	10
Sealing plate	1125 121 0700	7		5120	1	10

Part Name	Part No.	Key	Rem.	WG	MAM H	MAM V
Gasket	1125 129 0901	8		5120	1	25
Metering diaphragm	1125 121 4700	9		5120	10	50
End cover	1125 121 0803	10		5120	1	10
Collar screw	1120 122 6601	11	1)			
Strainer	1125 121 7800	12		5120	1	10
Pump diaphragm	1125 121 4801	14		5120	5	50
Gasket	1125 129 0900	15		5120	1	25
End cover	1125 121 0802	16		5120	1	10
Oval head screw	1120 122 7800	17	1)			
Torsion spring	1125 122 3202	18		5120	10	100
Throttle shaft with lever	1125 120 7101	19		5120	1	10
E-clip	1125 122 9001	20		5120	1	25
Throttle valve	1125 121 3301	21		5120	1	10
Round head screw	1125 122 7402	22		5120	1	10
Torsion spring	1125 122 3203	23		5120	10	100
Choke shaft with lever	1125 120 7201	24		5120	1	5
E-clip	1125 122 9002	25		5120	1	25
Choke shutter	1125 121 2901	26		5120	1	10
Round head screw	1125 122 7403	27		5120	1	10
Idle adjustment screw	1125 122 6200	28		5120	1	10
Spring	1120 122 3005	29	1)			
High speed adjustment screw	1125 122 6700	30		5120	1	10
Low speed adjustment screw	1125 122 6800	31		5120	1	10

Remarks:

1) Existing spare part

Note: TI.15.87 was for limited distribution only, i.e. it does not apply to all markets.

U/TSM:tc
(9187)

Technical Information

STIHL®

T.7.87

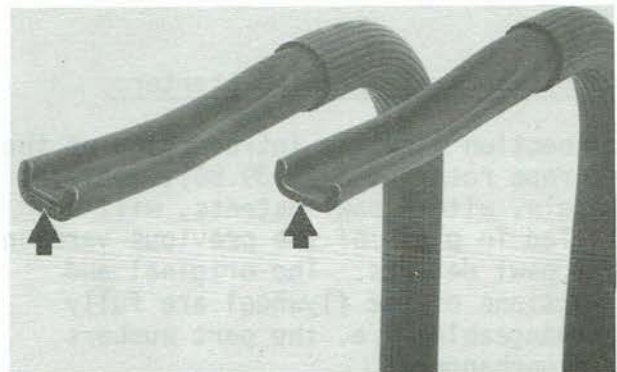
ENGINEERING CHANGES ON MODEL 034 CHAIN SAWS (SERIES 1125)

Contents:

1. Handlebar
2. Ignition system/rewind starter
3. Clutch
4. Oil pump
5. Self-tapping screws
6. Chain brake
7. Throttle trigger

1. Handlebar:

A new modified handlebar will be installed on all versions of the 034. Because of an improved material, we were able to eliminate the reinforcement plate previously used in the upper mounting area. The improved material and section of the new handlebars, in the area of the upper mounting, ensure high durability even under extreme loads.



- Left: Handlebar with reinforcement plate.
Right: Handlebar without reinforcement plate.

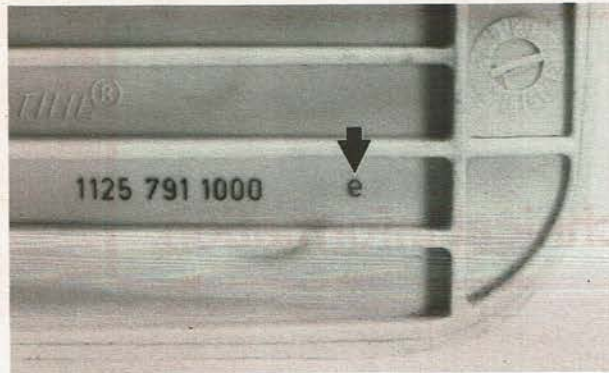
As the handlebar reinforcement plate is no longer fitted, the mounting holes in the tank housing have been made deeper to take the extra length of the mounting screws. Refer to and observe service note when installing a modified handlebar (without reinforcement plate) in machines with the original-type tank housing.

The new handlebars have the same part numbers as the original versions and are installed as follows:

- Machines with heated handles from No. X 16 398 263
- Machines without heated handles from No. X 16 624 199

Service Note:

When installing a handlebar without the reinforcement plate on the original-type tank housing, always fit an A 6.4 washer (9291 021 0140) under the screw heads for the upper handlebar mounting. The wall of the fuel tank could break if the screws are fitted and tightened down without washers.



The washers should be used on tank housings up to and including modification index "e". The modification index can be found on the underside of the rear hand guard, next to the integrally molded blank part number (see illustration).

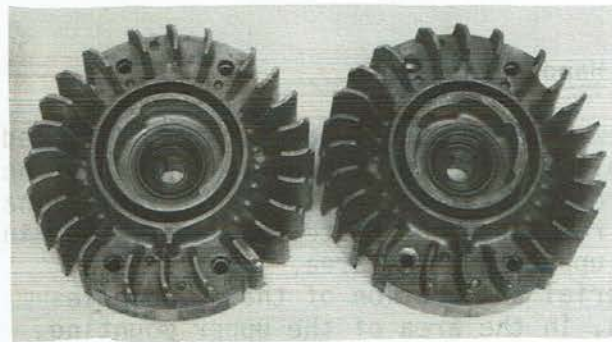
Parts availability:

Only the new versions of the Tank Housing, 1125 350 0800, and Handlebar, 1125 790 1705, will be supplied from the factory.

The original versions of the Handlebar Kit, 1125 007 1014, and separate Handlebar, 1125 790 1707, for machines with heated handles will be supplied as long as factory stocks last.

2. Ignition system/rewind starter:

In connection with the introduction of the round rope rotor (see TI.39.86), modified flywheels, with 6 pawl detents, will be installed in place of the previous version with 2 pawl detents. The original and new versions of the flywheel are fully interchangeable, i.e. the part numbers remain unchanged.



Left: Original version
Right: New version

The modified flywheels are installed as follows:

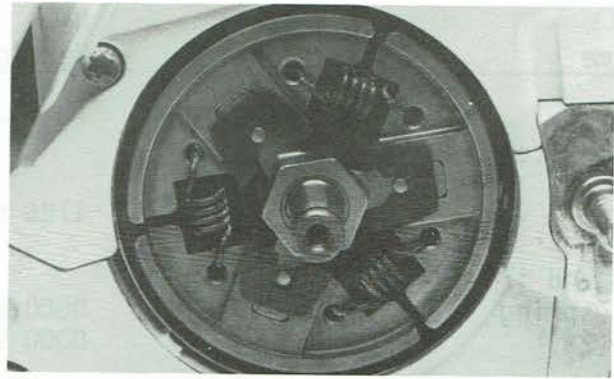
- Flywheel, 1125 400 1200, for machines with handle heating from No. X 16 519 610.
- Flywheel, 1125 400 1205, for machines with handle heating from No. X 16 523 021.

Parts availability:

The original-type parts are no longer available from the factory.

3. Clutch:

Spring, 0000 997 0909 (marked white), was replaced from machine No. X 16 515 209 by a spring with a yellow marking. The production process was changed to increase the strength of these springs. Refer to T.17.85 for description of situation. All factory stocks of finished machines and clutches have been back-fitted so that some machines, before the above-mentioned number, may already be equipped with the new springs (marked yellow).

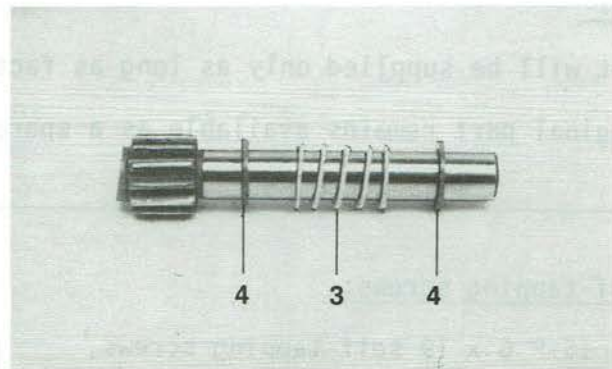


Service note:

In case of repairs, always remove the clutch drum to check which type of spring is fitted. If necessary, install the new springs (yellow) and adjust engine idle speed to 2,700 R.P.M.

4. Oil pump:

A slightly "softer" helical spring and two washers will be installed from machine No. X 16 786 634 to increase the reliability of the adjustable Oil Pump, 1125 640 3206. The new spring is installed in the same position as the original one, but with a washer at either end. The parts of the original and new version are fully interchangeable in adjustable oil pumps.



Pump piston with helical spring (3) and washers (4)

Service note:

Always install the new helical spring with the two washers in the course of repairs to an adjustable oil pump. Never install the washers together with the original helical spring.

Summary:

Part Name	Original Version	New Version	Key	Rem.	WG	MAM H	MAM V
Oil pump including item 3:	1125 640 3206	---	1	1)			
Oil pump including items 3 and 4:	---	1125 640 3206	2				
Helical spring	0000 997 0721	0000 997 0621	3	2)	5950	1	10
Washer (2x)	---	0000 958 0611	4		5950	1	50

All other parts are as before.

Modification to be introduced from machine No. X 16 786 634 .

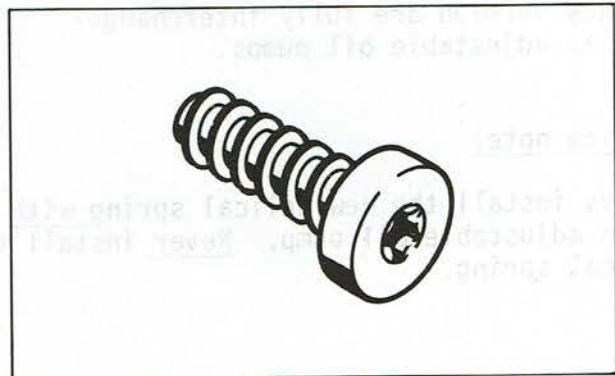
Remarks:

- 1) Part will be supplied only as long as factory stocks last.
- 2) Original part remains available as a spare part for other models.

5. Self-tapping screws:

Special IS-P 6 x 19 self-tapping screws, for plastic components, have been used for some time on several parts in place of 5.8 x 19 self-tapping screws. The dimensions of this new type of screw, with a recessed spline, are prefixed with the letters "IS-P".

The size of the mounting holes does not have to be changed to take these screws. This means that the new screws can be used on all machines.



The self-tapping screw (for plastics) is used at the following points:

- Annular buffer to tank housing, front right (1x)
- Chain catcher to plug (1x)
- Upper and lower handlebar mounting to tank housing (4x)

Summary:

Part Name	Original Version	New Version	Key	Rem.	WG	MAM H	MAM V
Self-tapping screw 5.8 x 19	9073 478 4290	---		1)			
Self-tapping screw IS-P 6 x 19	---	9074 478 4425			7720	1	50

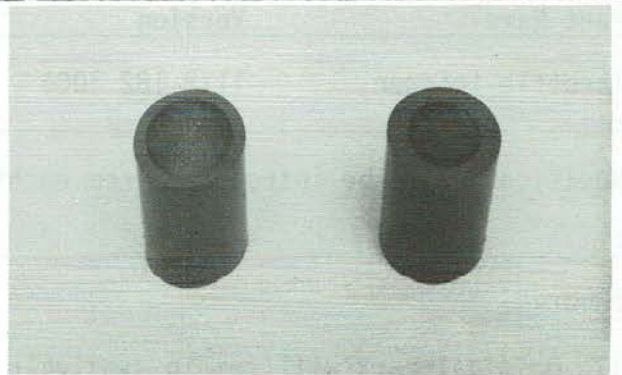
Modification to be introduced: In progress.

Remarks:

1) Part will be supplied only as long as factory stocks last.

6. Chain brake:

The original Hose, 1125 162 8000, was replaced some time ago by a new Version, 1125 162 8001, with a smaller inside diameter and a thicker wall. This change was made in order to improve the location of the hose on the tension spring.



Left: Original version
Right: New version

Summary:

Part Name	Original Version	New Version	Key	Rem.	WG	MAM H	MAM V
Tension spring including: Hose	1121 160 5500	1121 160 5500		1)			
	1125 162 8000	1125 162 8001		2)	5160	1	10

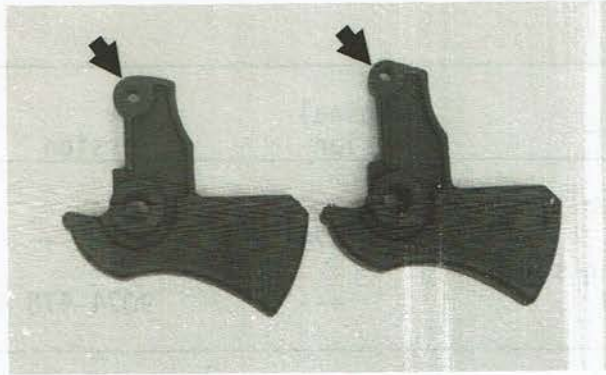
Modification to be introduced: In progress.

Remarks:

- 1) Part will be supplied in the original version as long as factory stocks last.
- 2) Only the new version of the part is available from the factory.

7. Throttle trigger:

A new throttle trigger, with a modified shape, will be installed from machine No. X 16 782 379 to optimize throttle control. The original and new versions of the throttle trigger are fully interchangeable.



Left: Original version
Right: New version

Summary:

Part Name	Original Version	New Version	Key Rem.	WG	MAM H	MAM V
Throttle trigger	1118 182 1005	1118 182 1006	1)	5180	1	10

Modification to be introduced from machine No. X 16 782 379 .

Remarks:

- 1) Original part will remain available for other models until further notice.

U/TSM:tc
(6287)

Technical Information

STIHL®

T.45.86

Engineering Changes on Model 034 Chain Saws (Series 1125)

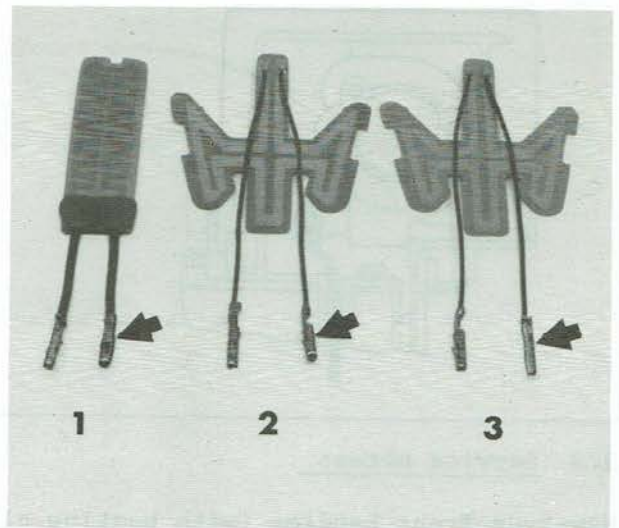
1. Handle heating system
2. Chain sprocket security
3. Impulse hose

1. Handle heating system:

1.1 New heating elements (front and rear handles):

The present heating elements, in the front and rear handles, will be replaced by new ones from machine number X 16 154 159. This change is designed to improve heating capacity and reliability. The two heating elements now have different resistances and connectors. The shape of the rear handle heating element has also been changed. This was necessary because the tank housing has been modified in the area of the handle to take account of a future engineering change.

The new front handle (with new heating element) can be identified by the fact that the insulating tube, over the two connecting wires, is now 150 mm (5.9 in.) long as opposed to the original 100 mm (3.9 in.).



- 1 = Heating Element, 1121 434 5000 (original version)
- 2 = Heating Element, 1121 434 5000 (new version)
- 3 = New Heating Element, 1125 434 5000

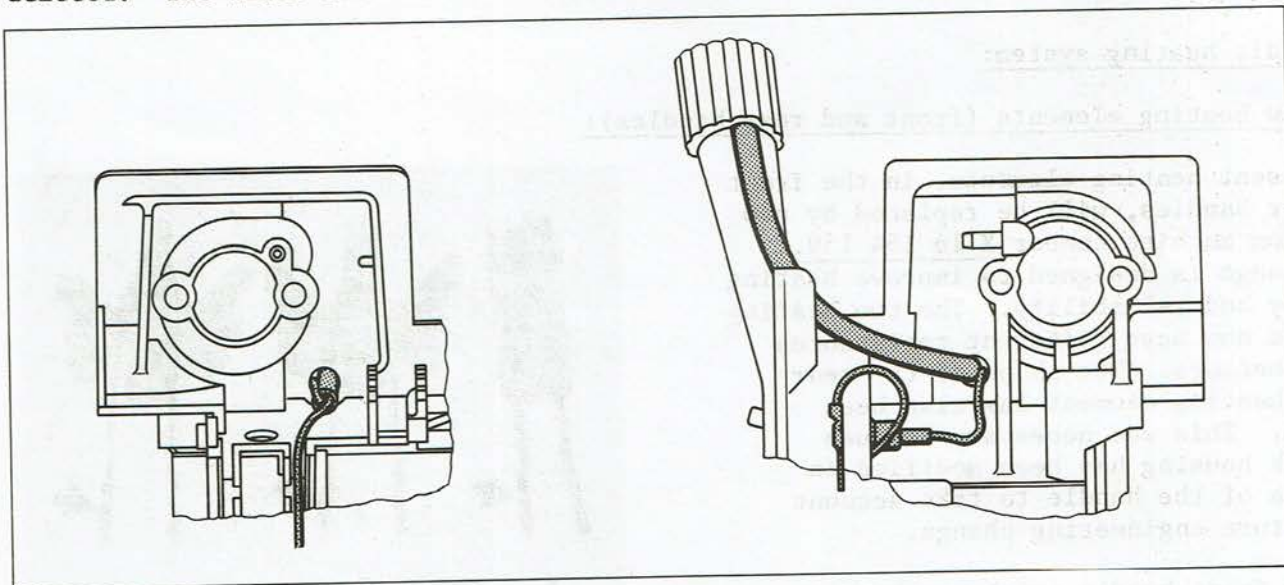
1.1.1 Specifications of heating elements:

- Rear handle Heating Element, 1121 434 5000 (original version): rectangular, resistance 0.3 Ohm, with 2 round sockets (1).
- Rear handle Heating Element, 1121 434 5000 (new version): butterfly shape, resistance 0.25 Ohm, with 2 round sockets (2).

- New rear Handle Heating, 1125 434 5000: butterfly shape, resistance 0.25 Ohm, with 1 round socket and 1 round pin (3).
- Front handle with Heating Element (original version): resistance 2.2 Ohm, with 1 contact sleeve (for switch) and 1 round pin.
- Front handle with Heating Element (new version): resistance 1.6 Ohm, with 1 contact sleeve (for switch) and 1 round pin.

1.2 Wiring:

The length of the insulating tube, over the connecting wires to the front handle heating element, has been increased to 150 mm (5.9 in.). The insulating tube now extends about 10 mm (0.39 in.) through the hole and thus protects the wires. This means that the present Grommet, 0000 989 0808, is no longer necessary. It has been deleted. The wires should be routed as shown in the illustration.



1.3 Service notes:

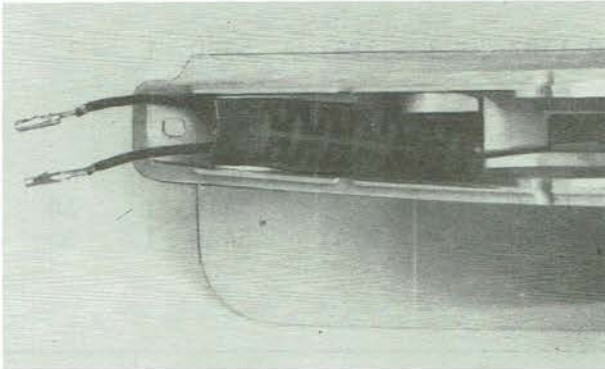
New-type front handles (with heating element $R = 1.6$ Ohm) may only be used together with butterfly-shaped rear handle heating elements (new Heating Element, 1125 434 5000, or new version of Heating Element, 1121 434 5000). The two plug and socket connectors match each other on Heating Element, 1125 434 5000, whereas it is necessary to fit a round terminal pin in place of one round socket on the new version of Heating Element, 1121 434 5000.

The original-type front handle (with heating element $R = 2.2$ Ohm) may be combined with all three versions of the rear handle heating element. The plug and socket connectors on Heating Elements, 1121 434 5000 (original and new versions), fit this front handle: however, it is necessary to fit a round socket in place of the round terminal pin on Heating Element, 1125 434 5000.

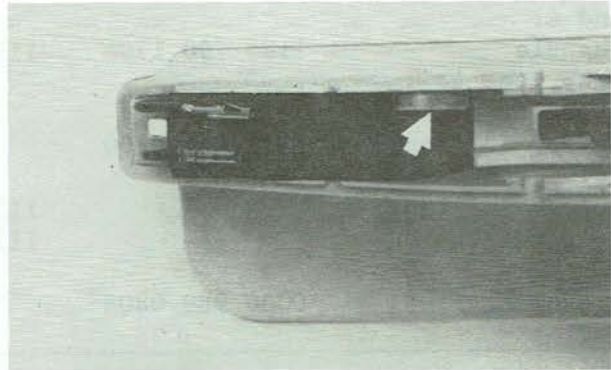
Both versions of the rear handle Heating Element, 1121 434 5000, have exactly the same plug and socket connectors, but different resistance.

The new version of the rear handle Heating Element, 1121 434 5000, is intended for use on machines with the original-type front handle. This version of the heating element is not necessary for a repair if the round terminal pin of the new Heating Element, 1125 434 5000, is simply replaced by a round socket. The parts needed, i.e. round terminal sockets, are included in Electrician's Kit, 0000 007 1013. Crimping Tool, 5910 890 8210, is required to attach the terminals.

Original-type rear handle Heating Element, 1121 434 5000 (rectangular), can still be used in conjunction with the original front handles (heating element $R = 2.2 \text{ Ohm}$), even on modified tank housings, if they are bonded in position at an angle as shown in the illustration.



Rectangular heating element bonded at an angle.



Thrust pad with cut out fitted in position.

The expanded rubber Thrust Pad, 1121 791 9000, must be cut as shown to ensure that it can be fitted without being obstructed by the new lug on the rear handle.

The Grommet, 0000 980 0808, is not necessary on older machines if the new front handle is fitted (with 150 mm/5.9 in. long insulating tube).

Important note: When bonding the rear handle heating element in position, make sure that the surface in the tank housing is completely free of grease. The whole area of the heating element must lie perfectly flat and crease-free.

1.4 Parts availability:

Only the new version of the rear handle Heating Elements, 1121 434 5000 (butterfly shape, resistance 0.25 Ohm) will be supplied in the future.

The Thrust Pad, 1121 791 9000, will only be supplied in the modified version (with cut out).

Up to and including 1991, a front Handle Kit, 1125 007 1014 (with new heating element $R = 1.6 \text{ Ohm}$), will be supplied in place of the individual front Handle, 1125 790 1706, with heating element. This kit includes a new rear handle Heating Element, 1125 434 5000.

1.5 Summary:

Part Name	Original version	New version	Key	Rem.	WG	MAM H	MAM V
Heating element - HG -	1121 434 5000	1125 434 5000	1	1)2)4)	5430	1	5
Thrust pad	1121 791 9000	1121 791 9000	2	3)			
Front handle kit - W - including items 1, 3 and 4:	---	1125 007 1014		4)	5790	1	1
Front handle including item 4:	1125 790 1706	1125 790 1707	3	2)4)	5790	1	1
Insulating tube (100 mm/3.9 in. long)	1118 442 0400	---					
Insulating tube (150 mm/5.9 in. long)	---	1124 442 0400	4		5440	1	10
Heating element - HG -	---	1125 434 5000	1	2)4)	5430	1	5
Rubber grommet	0000 989 0808	---					

Modification to be introduced: from machine No. X 16 154 159

Remarks:

- 1) Original part will continue to be supplied in modified form for older machines.
- 2) New part can also be used for older machines.
- 3) Only modified version of part will be supplied.
- 4) See "Service Notes" and "Parts Availability".

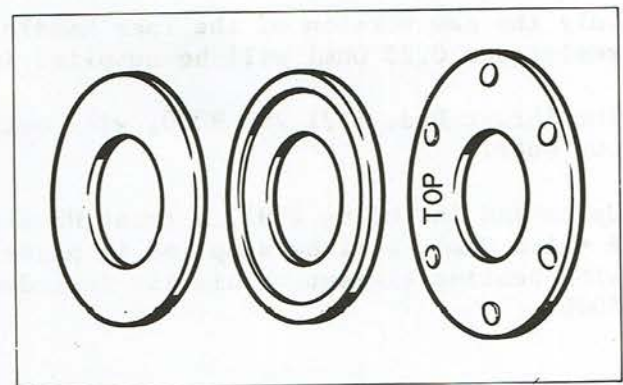
2. Chain sprocket security:

A new thrust washer will be fitted in place of the present one between the chain sprocket and E-clip. For an interim period, the new washer will have a lip on its circumference, but this will be replaced in the foreseeable future by 6 warts.

The change will be introduced as follows:

From machine number X 16 147 359 on machines with a rim sprocket.

In the foreseeable future on machines with a spur sprocket.



Left: Original washer (flat)
Center: New washer (interim version with lip).
Right: New washer (future version with warts).

Service note:

This retaining action is naturally effective when the E-clip has to be removed in service. If the E-clip butts against the warts of the thrust washer during removal, insert a thin screwdriver between the E-clip and washer and slip the E-clip over the warts.

The new Washers, 0000 958 1016 (for rim sprocket) and 0000 958 1021 (for spur sprocket) should also be installed on older machines during repair work.

Summary:

Part Name	Original version	New version	Key	Rem.	WG	MAM H	MAM V
Washer (flat for rim sprocket)	0000 958 1009	---		1			
Washer (with warts, for rim sprocket)	---	0000 958 1016			5950	1	10
Washer (flat for spur sprocket)	0000 958 0506	---		2			
Washer (with warts, for spur sprocket)	---	0000 958 1021			5950	1	10

Modification to be introduced: For rim sprocket - from machine No. X 16 147 359.
For spur sprocket - in progress.

Remarks:

- 1) Parts will be supplied only as long as existing factory stocks last.
- 2) Part remains available for other models.

3. Impulse hose:

In the interests of parts standardization, the present molded Impulse Hose (with beads), 1125 141 8600, will be replaced from machine number X 16 390 699 by a smooth Hose, 1110 111 8600.



Left: Original impulse hose
Right: New impulse hose

Summary:

Part Name	Original version	New version	Key	Rem.	WG	MAM H	MAM V
Impulse hose	1125 141 8600	1119 141 8600		1)	5140	1	10

Modification to be introduced from machine No. X 16 390 699 .

Remarks:

- 1) Original part no longer available from factory.

U/TSM:tc
(11146)

Technical Information

STIHL®

T.39.86

Engineering Changes on Model 034 Chain Saws (Series 1125)

1. Oil pump
2. Winter operation
3. Rewind starter
4. Muffler mounting

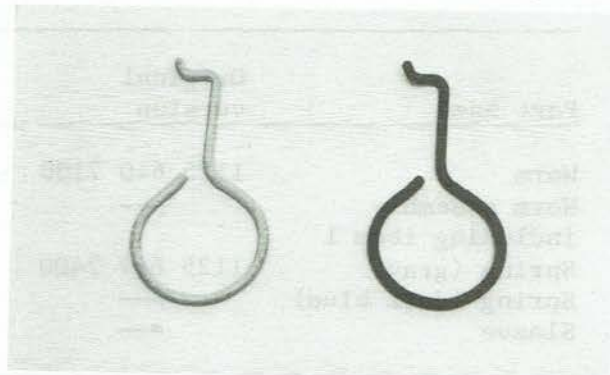
1. Oil pump:

The following modifications have been carried out on the oil pump to improve its function:

1.1 Drive spring:

The ring of the Drive Spring, 1125 647 2400, has been stiffened. This ensures dependable operation of the oil pump even if pressure is increased by a blocked oil inlet hole in the guide bar.

The updated springs will be installed on the production line from machine No. X 15 588 527. Furthermore, all factory stocks of finished machines have been retrofitted with this spring so that only saws with the improved oil pump drive will be supplied from the factory.



Spring, 1125 647 2400
Left: Original version
Right: New version

The new springs can be identified by the dark blue coloring which results from the heat treatment (temper color). The original springs are metallic gray.

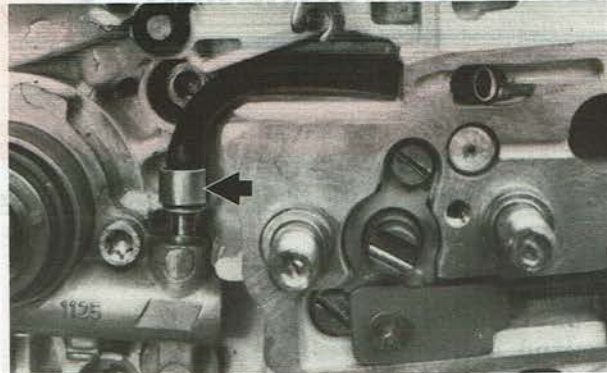
Dealer stocks of the original drive spring (gray) may be returned to Stihl via the responsible distributor. This is to ensure that only the improved drive springs are installed in case of repairs.

Worm, 1125 640 7110, now comes complete with Spring, 1125 647 2400. It is supplied in place of Worm, 1125 640 7100. This ensures that a new spring is always available for fitting together with the new worm.

In the future, only the uprated version (dark blue) of the drive spring will be supplied by the factory under part No., 1125 647 2400, and in Drive Worm Assembly, 1125 640 7110.

1.2 Feed hose:

The feed hose will be secured to the pump outlet with the new Sleeve, 1125 647 8200, from machine number X 15 763 655. This ensures that the hose is held reliably in position at the higher pump pressure made possible by the uprated drive spring.



1.3 Notes on repairs:

The feed hose must be secured with Sleeve, 1125 647 8200, whenever an uprated drive spring (dark blue) is installed. Slip the sleeve over the hose before fitting it. Connect the hose to the pump and then push the sleeve down over the nipple to the end of the hose.

The combination of both these parts ensures reliable operation of the pump.

1.4 Summary:

Part Name	Original version	New version	Key	Rem.	WG	MAM H	MAM V
Worm	1125 640 7100	---					
Worm assembly including item 1	---	1125 640 7110			5640	1	5
Spring (gray)	1125 647 2400	---					
Spring (dark blue)	---	1125 647 2400	1				
Sleeve	---	1125 647 8200	2		5640	1	25

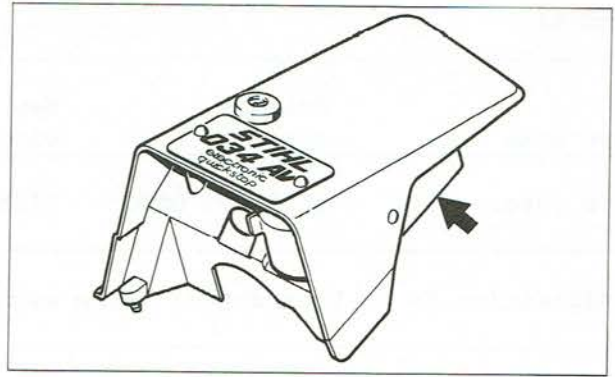
Modification to be introduced:

Item 1 from machine No. X 15 588 523

Item 2 from machine No. X 15 763 655

2. Winter operation:

A special shroud (with integral air deflector) is available as a special accessory to improve the preconditions for trouble-free operation in extremely cold weather (at temperatures below approx. $-28^{\circ}\text{C}/-20^{\circ}\text{F}$). It is intended to supplement the intake air preheating kit and carburetor preheating. The new Shroud, 1125 080 1603, improves the flow of warm intake air.



Summary:

Part Name	Original version	New version	Key.	Rem.	WG	MAM H	MAM V
Shroud	---	1125 080 1603		1)	5080	1	1

Remarks:

- 1) New special accessory

3. Rewind starter:

The original, oval Rope Rotor, 1125 195 0400, will be replaced by the new round Rope Rotor, 1125 195 0401, from machine No. X 15 849 689 in the interests of standardizing parts on all models. The new Rope Rotor, 1125 195 0401, has a second pawl seat. This means the pawl can now be fitted in the second seat if the other one is worn.

The new, modified rope rotor and the original version are fully interchangeable. Therefore, only the new Rope Rotor, 1125 195 0401, will be supplied after existing factory stocks of the original version have been exhausted.



Left: Original rope rotor
Right: New rope rotor

Summary:

Part Name	Original version	New version	Key	Rem.	WG	MAM H	MAM V
Rope rotor	1125 195 0400	1125 195 0401		1)	5190	1	1

Modification to be introduced: from machine No. X 15 849 689.

Remarks:

1) Original part will be supplied only as long as factory stocks last.

4. Muffler mounting:

The present IS M 5 x 12 socket head screws, used for attaching the muffler (inlet and exhaust casings) to the cylinder and crankcase, will be replaced by longer IS M 5 x 16 screws from machine No. X 15 424 166. The longer screws help avoid the threads being stripped by overtightening.

The existing, shorter screws remain available for machines up to No. X 15 424 165.

Summary:

Part Name	Original version	New version	Key	Rem.	WG	MAM H	MAM V
Socket head screw IS M 5 x 12 (4x)	9022 341 0960	---		1)			
Socket head screw IS M 5 x 16 (4x)	---	9022 341 0980			7720	20	200

Modification to be introduced: from machine No. X 15 424 166

Remarks:

1) Part remains available as a spare part.

Service note:

Observance of the specified tightening torques determines the quality and durability of a screwed assembly:

Muffler-to-cylinder 9 Nm (6.6 lbf.ft.)
Muffler-to-crankcase 5 Nm (3.7 lbf.ft.)

Washers must be fitted under the screw heads. Secure screws with adhesive, 0786 111 1101 (LOCTITE 242).

U/TSM:tc
(9256)