

Model 225, 232, 235

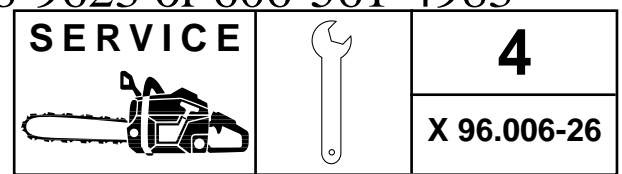
Basic adjustment of carburetor (CARB)

After replacing the needles or complete carburetor on a CARB certified product, a basic adjustment must be carried out as described below in order to meet the CARB-requirements.

After replacement of complete carburetor

1. Check that the H cap is adjusted to its richest setting. (Turned counterclockwise to stop.)
The cap is not fixed to the needle, but can be rotated independently.
Do not adjust the L needle. This needle is set at the factory and the cap is already fitted.
2. Fit 4 trimmer lines, diameter 3.3 mm (0.13 inch) to a Trimmy Fix.
(Trimmy Fix M10, 531 00 38-69, for 225 and 232. Trimmy Fix M12, 502 13 87-02, for 235.)
It may be necessary to drill out the holes in the Trimmy Fix to make it easier to fit the trimmer lines.
3. Cut the trimmer lines to correct length (measured from the outer edge of the Trimmy Fix):
225: 145 mm (5.7 inches)
232: 155 mm (6.1 inches)
235: 170 mm (6.7 inches)
Fit the Trimmy Fix on the machine. Note! For 235 the sprayguard must be removed. Be aware of the lines.
4. Start the engine. If necessary, adjust the idle speed with the T-screw.
5. Using a narrow blade screwdriver inserted through the hole in the cap (max. blade width 2 mm, 0.08 inch) adjust the H needle to give a top speed of 8400 ± 200 rpm.
6. Let the engine run for 2-3 minutes until warm.
7. Check that the top speed is still 8400 ± 200 rpm. Readjust if necessary.
8. Check that the H cap is still adjusted to its richest setting. (Turned counterclockwise to stop).
9. Gently knock the H cap into position. Use a 5 mm (0.2 inch) mandrel or the locking pin for the gear, 502 02 61-03.

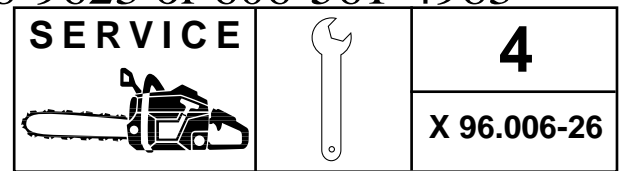
This is a basic carburetor adjustment. Further fine adjustments, within the limits the caps allows, may be necessary to achieve optimum performance. See the operator's manual.



After replacement of only H-needle

1. Adjust the L-needle to its richest setting. (Turned counterclockwise to stop.)
2. Take off the cap from the H-needle using e. g. a pair of cutting pliers and unscrew the needle.
3. Screw the new H-needle to the bottom and then turn it counterclockwise 1/2 turn.
4. Press a new H-cap on the H-needle to the first stop, which means that the cap is not fixed to the needle, but can be rotated separately.
5. Adjust the H-cap to the richest position without turning the needle. (Turned counterclockwise to stop.)
6. Fit 4 trimmer lines, diameter 3.3 mm (0.13 inch) to a Trimmy Fix.
(Trimmy Fix M10, 531 00 38-69, for 225 and 232. Trimmy Fix M12, 502 13 87-02, for 235.)
It may be necessary to drill out the holes in the Trimmy Fix to make it easier to fit the trimmer lines.
7. Cut the trimmer lines to correct length (measured from the outer edge of the Trimmy Fix):
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 235: 170 mm (6.7 inches)
 Fit the Trimmy Fix on the machine. Note! For 235 the sprayguard must be removed. Be aware of the lines.
8. Start the engine. If necessary, adjust the idle speed with the T-screw.
9. Using a narrow blade screwdriver inserted through the hole in the cap (max. blade width 2 mm, 0.08 inch) adjust the H needle to give a top speed of 8400 ± 200 rpm.
10. Let the engine run for 2-3 minutes until warm.
11. Check that the top speed is still 8400 ± 200 rpm. Readjust if necessary.
12. Check that the H cap is still adjusted to its richest setting. (Turned counterclockwise to stop).
13. Gently knock the H cap into position. Use a 5 mm (0.2 inch) mandrel or the locking pin for the gear, 502 02 61-03.

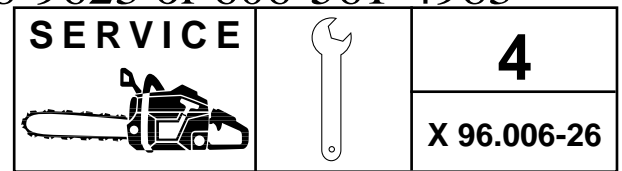
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After replacement of only L-needle

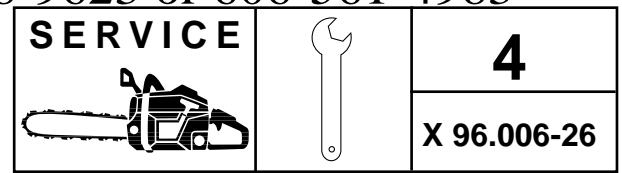
1. Adjust the H-needle to the leanest position. (Turned clockwise to stop.)
2. Take off the cap from the L-needle using e. g. a pair of cutting pliers and unscrew the needle.
3. Screw the new L-needle to the bottom and then turn it counterclockwise 2 turns.
4. Press a new L-cap on the L-needle to the first stop, which means that the cap is not fixed to the needle, but can be rotated separately.
5. Adjust the L-cap to the leanest position without turning the needle. (Turned clockwise to stop.)
6. Start the engine and let it run on idle.
7. Using a narrow blade screwdriver inserted through the hole in the cap (max. blade width 2 mm, 0.08 inch) adjust the L-needle until highest possible idlespeed is achieved.
8. Check that the L-cap is still adjusted to its leanest position. (Turned clockwise to stop.)
9. Gently knock the L-cap into position. Use a 5 mm (0.2 inch) mandrel or the locking pin for the gear, 502 02 61-03.

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After replacement of both H-needle and L-needle

1. Take off the caps from both needles using e. g. a pair of cutting pliers and unscrew the needles.
2. Screw the new L-needle to the bottom and then turn it counterclockwise 2 turns.
Screw the new H-needle to the bottom and then turn it counterclockwise 1/2 turns.
3. Press new caps on the needles to the first stop, which means that the caps are not fixed to the needles, but can be rotated separately.
4. Adjust the L-cap to the leanest position without turning the needle. (Turned clockwise to stop.)
5. Start the engine and let it run on idle.
6. Using a narrow blade screwdriver inserted through the hole in the cap (max. blade width 2 mm, 0.08 inch) adjust the L-needle until highest possible idlespeed is achieved.
7. Check that the L-cap is still adjusted to its leanest position. (Turned clockwise to stop.)
8. Gently knock the L-cap into position. Use a 5 mm (0.2 inch) mandrel or the locking pin for the gear, 502 02 61-03. Turn the L-needle to the richest position. (Turned counterclockwise to stop.)
9. Adjust the H-cap to the richest position without turning the needle. (Turned counterclockwise to stop.)
10. Fit 4 trimmer lines, diameter 3.3 mm (0.13 inch) to a Trimmy Fix.
(Trimmy Fix M10, 531 00 38-69, for 225 and 232. Trimmy Fix M12, 502 13 87-02, for 235.)
It may be necessary to drill out the holes in the Trimmy Fix to make it easier to fit the trimmer lines.
11. Cut the trimmer lines to correct length (measured from the outer edge of the Trimmy Fix):
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 235: 170 mm (6.7 inches)
 Fit the Trimmy Fix on the machine. Note! For 235 the sprayguard must be removed. Be aware of the lines.
12. Start the engine.



13. Using a narrow blade screwdriver inserted through the hole in the cap (max. blade width 2 mm, 0.08 inch) adjust the H needle to give a top speed of 8400 ± 200 rpm.
14. Let the engine run for 2-3 minutes until warm.
15. Check that the top speed is still 8400 ± 200 rpm. Readjust if necessary.
16. Check that the H cap is still adjusted to its richest setting. (Turned counterclockwise to stop).
17. Gently knock the H cap into position. Use a 5 mm (0.2 inch) mandrel or the locking pin for the gear, 502 02 61-03.

This is a basic carburetor adjustment. Further fine adjustments, within the limits the caps allows, may be necessary to achieve optimum performance. See the operator's manual.