

# Technical Information

44.2016

## Blower STIHL BR 500, 550, 600, 700 – Series 4282

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### 1. Technical description

The control handles and ignition modules on the blowers will be modified.

- From now on, the blowers STIHL BR 500, 550 and 600 will have the two-colored control handle familiar from the BR 450 and BR 700 with a new throttle cable with a contact spring.
- The ignition modules of blowers BR 500, 550 and 600 will be equipped with new software and modified electronic components.
- The throttle cable of blower BR 700 will be modified and from now on will be equipped with a contact spring.
- From now on, the “handle molding, inner”, the “handle molding, outer” and the “mounting” parts will be supplied in pairs for the blowers BR 500, 550, 600 and 700.

### 2. Additional documents

Observe the following applicable documents in addition to this Technical Information:

- Instruction Manual STIHL BR 500, 550, 600
- Instruction Manual STIHL BR 700
- Workshop Manual STIHL BR 500, 550, 600
- Spare parts list STIHL BR 500, 550, 600, 700

### 3. Spare parts

Item	Designation		Previous	New	Notes
1	Control handle (BR 500, 550, 600); including Items 5, 9, 10, 18, 19	☞ 4	4282 790 1305	---	2) 7) 8)
2	Control handle (BR 500, 550, 600); including Items 6, 7, 14, 17	☞ 4	---	4282 790 4902	7) 8)
3	Control handle (BR 500, 550, 600); including Items 5, 12, 13	☞ 4	4282 790 1306	---	1) 7) 8)
4	Control handle (BR 500, 550, 600); including Items 6, 7, 14, 17	☞ 4	---	4282 790 4902	7) 8)
5	Throttle cable (BR 500, 550, 600)	☞ 5	4282 180 1103	---	2) 7)
6	Throttle cable	☞ 5	---	4282 180 1106	6) 7)
7	Contact spring	☞ 5	---	4282 442 1602	6) 7)
8	Handle (BR 500, 550, 600); including Items 9, 10		---	4282 790 0302	5)
9	Handle molding, inner		4282 791 0810	---	1)
10	Handle molding, outer		4282 791 0811	---	1)
11	Handle (BR 500, 550, 600); including Items 12, 13		---	4282 790 0300	5)
12	Handle molding, inner		4282 791 0803	---	1)
13	Handle molding, outer		4282 791 0804	---	1)
14	Handle (BR 500, 550, 600, 700); including Items 15, 16		---	4282 790 0301	5)
15	Handle molding, inner		4282 791 0807	---	1)
16	Handle molding, outer		4282 791 0806	---	1)
17	Mounting (BR 500, 550, 600); including Items 18, 19		---	4282 790 0701	5)
18	Mounting		4282 792 0200		1)
19	Mounting		4282 792 0201		1)
20	Control handle (BR 700), including Items 22, 25, 28	☞ 4	4282 790 4901	---	
21	Control handle (BR 700), including Items 23, 24, 25, 28	☞ 4	---	4282 790 4901	
22	Throttle cable (BR 700)	☞ 6	4282 180 1104	---	1)
23	Throttle cable (BR 700), including Item 24	☞ 6	---	4282 180 1107	5)
24	Contact spring	☞ 6	---	4282 442 1602	5)
25	Handle (BR 500, 550, 600, 700); including Items 26, 27		---	4282 790 0301	5)
26	Handle molding, inner		4282 791 0807	---	1)
27	Handle molding, outer		4282 791 0806	---	1)

Item	Designation		Previous	New	Notes
28	Mounting (BR 700), including Items 29, 30		---	4282 790 0700	5)
29	Mounting		4282 792 0202	---	1)
30	Mounting		4282 792 0203	---	1)
31	Ignition module (BR 500)	📖 6	4282 400 1301	4282 400 1310	1) 5) 7)
32	Ignition module (BR 550, 600)	📖 6	4244 400 1305	4244 400 1308	1) 7)


Modification to be introduced: as from machine number 5 13 872 226

Notes

- 1) Previous part is no longer available from factory
- 2) Previous part remains available for older machines
- 3) Previous part is only available from factory while stocks last
- 4) Previous part can also be used with new machines
- 5) New part can also be used with older machines
- 6) New part cannot be used with older machines
- 7) See "Service notes"
- 8) Only contains parts affected by the modification. Parts not listed remain unchanged.
- 9) Previous part remains available for other series.

## 4. Control handle (BR 500, 550, 600)

### 4.1 Explanation


The new control handle has a new design and a new throttle cable with a contact spring. The previous throttle cable with a microswitch will no longer be used,  5

The previous control handle will remain available for older machines.

### 4.2 Spare parts supply

The previous control handles 4282 790 1305 and 4282 790 1306 will be replaced by the new control handle 4282 790 4902.

### 4.3 Service note

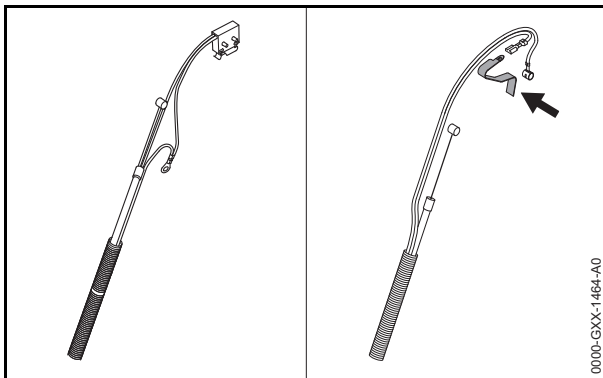
The new control handle may only be installed together with the new ignition modules,  6.

## 5. Throttle cable (BR 500, 550, 600, 700)

### 5.1 Explanation

The previous throttle cable with a microswitch will be replaced by a new throttle cable with open contacts.

### 5.2 Spare parts supply



Left: previous throttle cable 4282 180 1103 (BR 500, 550, 600) or 4282 180 1104 (BR 700)

Right: new throttle cable 4282 180 1106 (BR 500, 550, 600) or 4282 180 1107 (BR 700) with contact spring (arrow) 4282 442 1602

### 5.2.1 BR 500, 550, 600

The previous throttle cable remains available for previous versions of the blowers.


The new throttle cable can only be used with new blowers.

### 5.2.2 BR 700

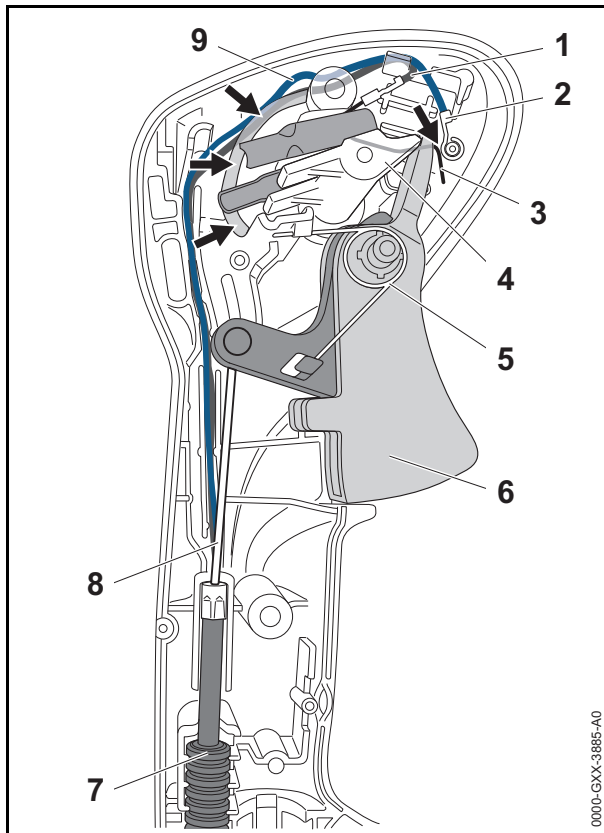
The previous throttle cable is no longer available.

The new throttle cable can also be used with previous versions of the blowers.

### 5.3 Service note

The new throttle cable can only be installed together with the new ignition module,  6

5.3.1 Cable routing control handle



**Assembling the control handle**

- Connect contact spring (3) with black lead (1).
- Push angled terminal socket (2) as far as it will go onto the peg.

The opening in the angled terminal socket (2) points upward.

- Place black lead (1) into the guides.
- Place blue lead (9) into the guides.
- Put the sleeve of the throttle cable (8) and the hose profile (7) into the guides.
- Hook throttle cable (8) into throttle trigger (6).
- Attach throttle trigger (6).
- Insert cams (4).
- Insert torsion spring (5).

If replaced, the following components must be lubricated before mounting (arrows):

- Cam (4) with detent spring
- Contact point between contact spring (3) and angled terminal socket (2)

Grease used:

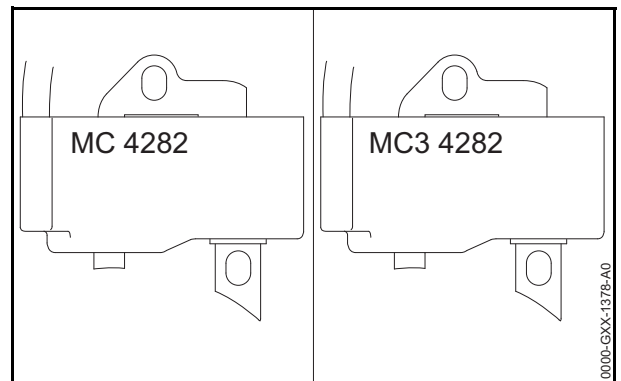
STIHL Multipurpose Grease 0781 120 1110

6. Ignition module

6.1 Explanation

The new ignition module includes modified electronic components.

6.2 Spare parts supply



Left: Previous ignition module  
4282 400 1301 or 4282 400 1305

Right: new ignition module 4282 400 1310 or  
4282 400 1308

6.3 Service note

The new ignition modules may be installed together with the previous and new control handles and throttle cables.

The previous ignition modules may only be installed with the previous control handles and throttle cables.