

# BBC Clutch Replacement

P-1246  
819-0460

## Installation Instructions

**▲CAUTION** Sparkplug wire must be removed from sparkplug before beginning replacement procedure.

### A. Replacing the Clutch Assembly

1. Remove the lawn mower blade from the BBC by removing the blade mounting bolts.
2. Remove the BBC mounting bolt.
3. Remove the clutch assembly from the BBC. Install the new clutch assembly to the BBC.

Recommended Bolt Torque		Thread Type
48 ± 3 lbs.ft.	65 ± 5NM	3/8-24 UNF
48 ± 3 lbs.ft.	65 ± 5NM	M10X1.25-6g

Bolt to be grade #8 US, Grade #10 Europe.

**Note:** Please contact Warner Electric for assistance with other thread sizes.

5. Reinstall the mower blade.
6. Burnish the BBC per the burnish instructions.

### B. Replacing the Brake Assembly

1. Remove the lawn mower blade from the BBC by removing the blade mounting bolts.
2. Remove the BBC mounting bolt.
3. Remove the clutch assembly from the BBC.
4. Disconnect the customer supplied brake actuation spring.
5. Disconnect the BBC actuation cable.
6. Remove anti rotation bolt if necessary.
7. Remove the brake assembly.

**Note:** On some applications the BBC brake assembly will not easily fit through the space allowed in the mower deck. In this instance, the mower engine mounting bolts must be removed and the mower engine lifted off of the deck so that the brake assembly can be removed.

8. Install the new brake assembly directly to the engine crankshaft. In the case where the mower engine was lifted up, remount the engine to the mower deck.
9. Reinstall the BBC actuation cable.
10. Replace the clutch assembly.



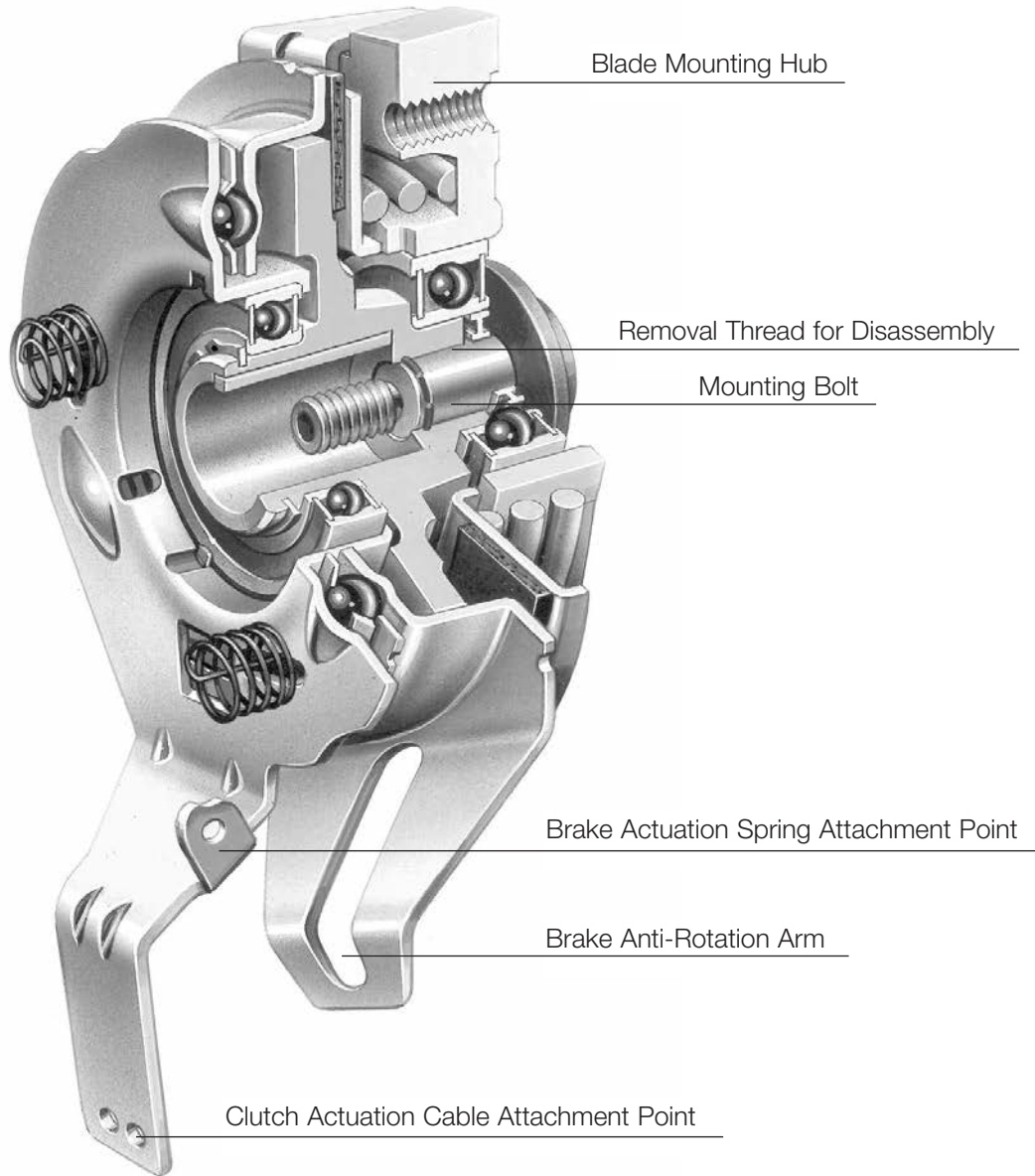
11. Reinstall the BBC mounting bolt. Torque the BBC mounting bolt to 48 ft-lbs. (65 N-m) for a 3/8-24 UNF or a M10 x 1.25-6g mounting bolt (contact Warner Electric personnel for assistance with other thread sizes).
12. Reinstall the customer supplied brake actuation spring.
13. Reinstall the mower blade.
14. Burnish the BBC per the burnish instructions.

### C. BBC Burnish Instructions

Warner Electric strongly suggests burnishing the BBC whenever either the clutch assembly or the brake assembly is replaced or if the complete assembly is replaced. The mower should be fully functional before this burnish procedure is initiated. The burnish procedure consists of the following steps:

1. Start the lawn mower engine.
2. Run the mower engine at the maximum engine speed. Allow the mower engine to run a sufficient amount of time so that the engine will not stall upon engagement of the blade.
3. With the engine running at maximum engine speed, engage and disengage the BBC a minimum of 15 times.

# **BBC-II Blade Brake Clutch for Walk Behind Lawnmowers**



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