# Flail Cutter

## FC155-FC175
(Europe Only)
## FC200

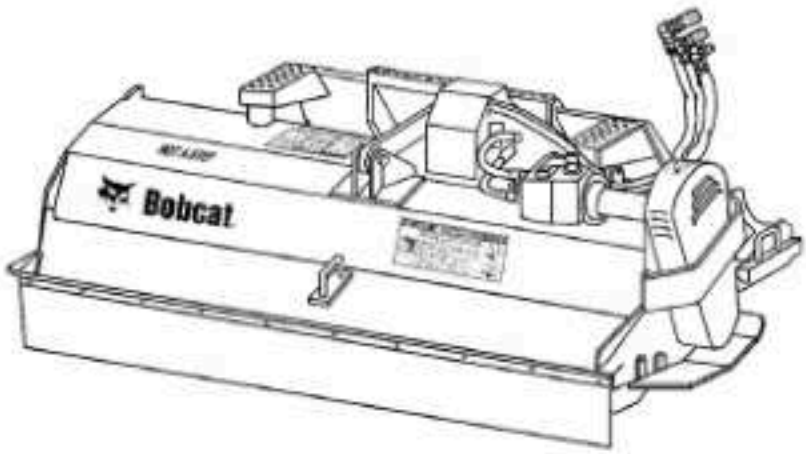
Bobcat®

# Service Manual

**(FC155 Europe Only) S/N A01P00101 & Above**

**(FC175 Europe Only) S/N 467500101 & Above**

**(FC200) S/N 467300101 & Above**




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**CALIFORNIA**
**PROPOSITION 65 WARNING**
Diesel engine exhaust and some of its constituents are known to the State of California to cause cancer, birth defects and other reproductive harm.






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## Chart

**⚠ WARNING**

**AVOID INJURY OR DEATH**

**Instructions are necessary before operating or servicing machine. Read and understand the Operation & Maintenance Manual, Operator's Handbook and signs (decals) on machine. Follow warnings and instructions in the manuals when making repairs, adjustments or servicing. Check for correct function after adjustments, repairs or service. Untrained operators and failure to follow instructions can cause injury or death.**

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If the attachment is not working correctly, check the hydraulic system of the machine thoroughly before making any repairs on the attachment. Attachment problems can be affected by a hydraulic system that is not operating to specifications or such problems as a plugged fuel filter or hydraulic filter in the machine. Connect a flow meter to the machine to check the hydraulic pump output, relief valve setting and tubelines to check flow and pressure. (See the machine Service Manual for the correct procedure to connect the flow meter).

| PROBLEM | CAUSE | CORRECTION |
|---|---|---|
| Abnormal machine vibrations. | The knife rotor is out of balance. | Rebalance the rotor. |
| | One or more of the knives are broken. | Replace broken knives. |
| | Loss of a counterweight. | Replace counterweight. |
| Poor Cutting. | The rotor does not reach the correct working speed. | Check belt tension. |
| | Machine adjustment does not comply with the instructions. | Check transmission rpm. |
| | Forward speed is too fast. | Adjust forward speed. |
| | Worn knives or parts. | Replace knives or sharpen uniformly. DO NOT change their weight and position on the rotor. |
| Machine absorbs too much power. | Hatch or roller out of adjustment. | Adjust the hatch and/or roller. |
| | Too much material and low machine power. | Adjust power and forward speed. |
| The roller does not turn. | Dry roller. | Lubricate roller. |
| | Material is fouling the guards. | Clean the guards. |
| | Roller is bent. | Replace roller. |
| | Sandy soil. | Fit roller with larger roller diameter. |
| Casing is punctured. | Worn sheet metal. | Replace the casing or scrap the attachment. |
| | | Repair the casing if the rotor is still operational. |
| Bearings break frequently. | Casing is bent by excessive side loads. | Replace casing. |
| | No lubrication. | Lubricate bearings. |
| | Attachment overloaded. | Adjust power and forward speed. |
| | Rotor installed wrong. | Reinstall rotor. |
| | Rotor out of adjustment. | Adjust rotor. |

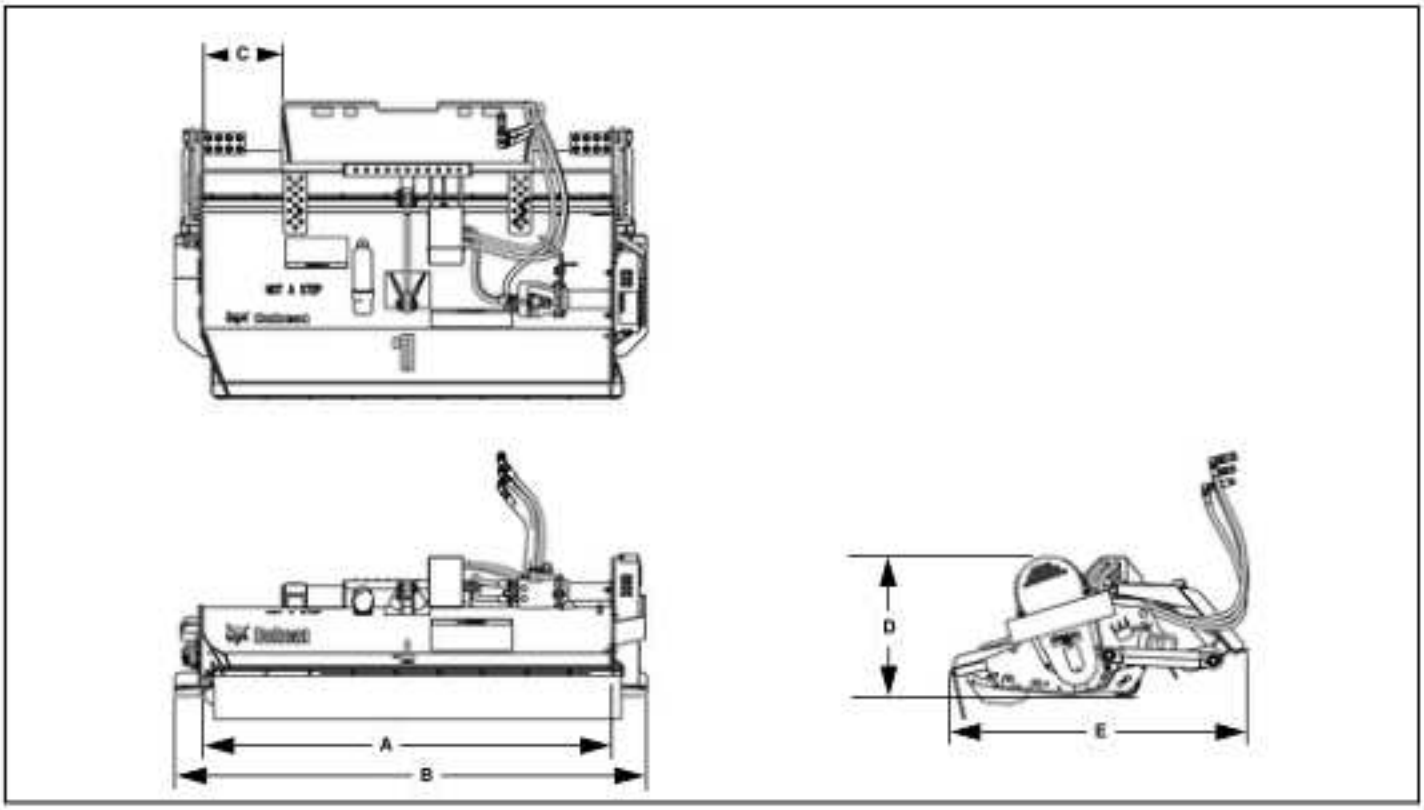


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## SPECIFICATIONS

### Dimensions

- All dimensions are shown in inches. Respective metric dimensions are given in millimeters enclosed by parentheses.
- Where applicable, specifications conform to **SAE and ISO** standards and are subject to change without notice.




| DESCRIPTION | FC155 (Europe Only) | FC175 (Europe Only) | FC200 |
|---|---|---|---|
| Weight | 1279 lb. (580kg) | 1530 lb. (696 kg) | 1640 lb. (746 kg) |
| Cutting Width (A) | 61 in. (1.5 m) | 69 in. (1.75 m) | 78 in. (2 m) |
| Total Width (B) | 73 in. (1856 mm) | 81 in. (2057 mm) | 91 in. (2306 mm) |
| Total Offset (C) | 10.9 in. (277 mm) | 10.4 in. (264 mm) | 15.3 in. (388 mm) |
| Total Height (D) | 26.8 in. (683 mm) | 29.7 in. (754 mm) | 29.7 in. (754 mm) |
| Total Length (E) | 57.4 in. (1457.4 mm) | 56.9 in. (1445 mm) | 56.9 in. (1445 mm) |
| Maximum Rotor RPM | 2200 RPM | 2200 RPM | 2200 RPM |
| Maximum Hydraulic Flow | 40 GPM (151 LPM) | 40 GPM (151 LPM) | 40 GPM (151 LPM) |
| Minimum Hydraulic Flow | 17 GPM (64 LPM) | 17 GPM (64 LPM) | 17 GPM (64 LPM) |
| Maximum Hydraulic Motor Displacement | 3.5 in. ^ 3 (58 cm ^ 3) | 3.5 in. ^ 3 (58 cm ^ 3) | 3.5 in. ^ 3 (58 cm ^ 3) |
| Minimum Hydraulic Motor Displacement | 1.8 in. ^ 3 (29 cm ^ 3) | 1.8 in. ^ 3 (29 cm ^ 3) | 1.8 in. ^ 3 (29 cm ^ 3) |
| Shutoff Float Height | 10 in. (254 mm) | 10 in. (254 mm) | 10 in. (254 mm) |
| Cutter Capacity | Brush material up to 2 in. (51 mm) in diameter | Brush material up to 3 in. (76 mm) in diameter | Brush material up to 3 in. (76 mm) in diameter |



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