Johnson®

Service Manual

2000 SS

25, 35
3-Cylinder

1999 OUTBOARD MARINE CORPORATION

PRINTED IN USA.

Engine Specifications
25 and 35

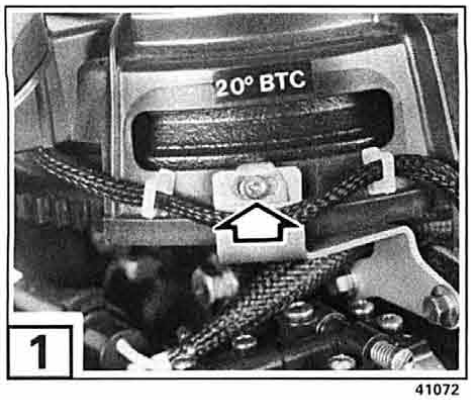
Operation

Full Throttle Operating Range	5200 to 5800 RPM
Power	**25** – 25 HP (18,7 kw) **35** – 35 HP (26,1 kw)
Power Rated @	5500 RPM
Idle RPM in Gear	See Page 1-33
Test Propeller	OMC P/N 434505
Minimum Test RPM	**25** – 4200 **35** – 5000
Weight:	**25R3; 35R3** – 151 lbs. (68,9 kg) **25RL3; 35RL3** – 156 lbs. (71,2 kg) **25TEL3; 35TEL3** – 159 lbs. (72,6 kg) **35EL3** – 160 lbs. (73 kg) **25PL3; 35PL3** – 170 lbs. (77 kg)

Powerhead

Type	Two-Cycle, In-line 3-Cylinder, Loop-Charged
Displacement	**25** – 30.5 cu. in. (500 cc) **35** – 34.5 cu. in. (565 cc)
Bore	**25** – 2.350 in. (59,69 mm) **35** – 2.500 in. (63,50 mm)
Stroke	2.344 in. (59,54 mm)
Standard Bore*	**25** – 2.3495 - 2.3505 in. (59,68 - 59,70 mm) **35** – 2.4995 - 2.5005 in. (63,49 - 63,51 mm)
Crankshaft Dimensions:	
Top Journal	1.4979 - 1.4984 in. (38,05 - 38,06 mm)
Center Journals	1.3748 - 1.3752 in. (34,92 - 34,93 mm)
Bottom Journal	1.1810 - 1.1815 in. (30,00 - 30,01 mm)
Rod Crankpin	1.1823 - 1.1828 in. (30,03 - 30,04 mm)
Piston Diameter, Standard	**25** – 2.3440 - 2.3450 (59,54 - 59,56 mm) **35** – 2.4940 - 2.4950 (63,35 - 63,37 mm)
Piston Ring End Gap, Both	0.005 - 0.020 in. (0,13 - 0,51 mm)

*To bore oversize, add piston oversize dimension to standard bore.



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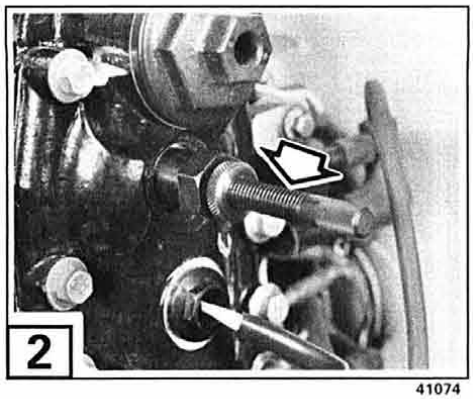

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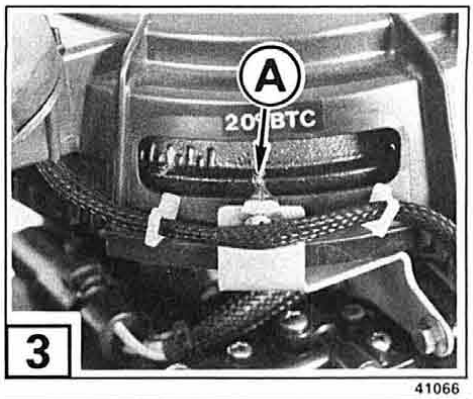

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Set Timing Pointer

Note If the timing pointer bracket has been disturbed, check the timing pointer alignment.

1. Remove the three spark plugs from the cylinder head.

1 2. Loosen the screw securing the timing pointer. Center the timing pointer. Tighten the screw.

3. Rotate the flywheel clockwise until the cast-in TDC mark is approximately 1 in. (25,4 mm) past the timing pointer. **NEVER** rotate the flywheel counterclockwise.

2 4. Install OMC Piston Stop Tool, P/N 384887, in the No. 1 cylinder. Adjust *the tool* to make contact with the piston.

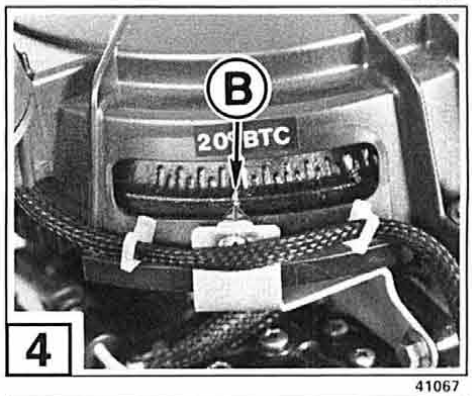
3 5. While holding the piston firmly against the piston stop tool, make a mark Ⓐ on the flywheel inline with the timing pointer.

4 6. Turn the flywheel in a clockwise direction until the piston contacts the tool again. Make a second mark Ⓑ on the flywheel inline with the timing pointer. Remove the piston stop tool.

5 7. Use the molded-in marks to find the midpoint between marks Ⓐ and Ⓑ. Place a mark Ⓒ at this location.

6 8. Rotate the flywheel clockwise to line up mark Ⓒ with the timing pointer. Hold the flywheel in this position. Loosen the timing pointer screw and move it to line up with the cast-in TDC line. Tighten the screw securely.

9. Install the spark plugs and tighten them to 18-20 ft. lbs. (24-27 N·m).



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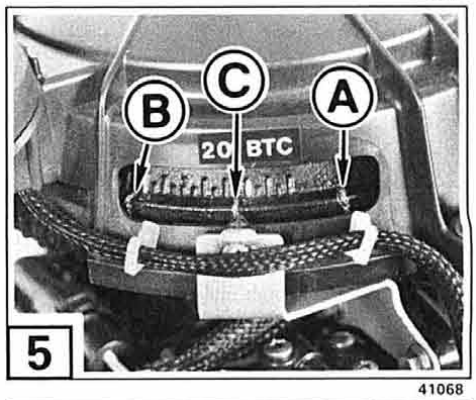

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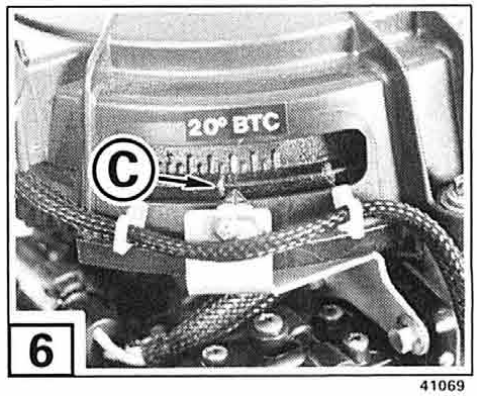

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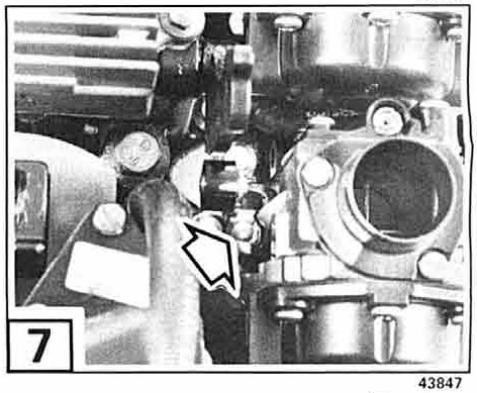

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