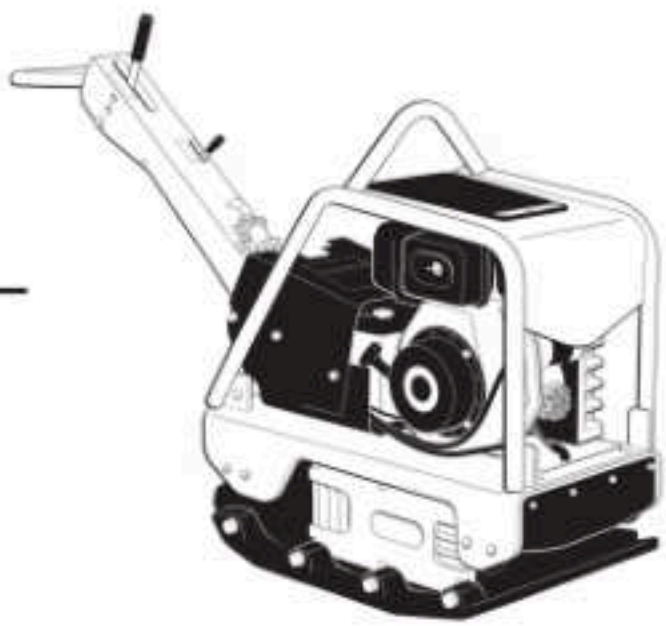
REVERSIBLE PLATE COMPACTOR BCR70

Bobcat®

Operation/ Maintenance And Parts Manual



An IR Ingersoll-Rand business

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BCR70 REVERSIBLE PLATE CONPACTOR
OPERATION AND MAINTENANCE MANUAL
COMMUNICATION NO. 6902030

This manual should be used with all related supplemental books, engine and transmission manuals, and part books. Related Service Bulletins should be reviewed to provide information regarding some of the recent changes.

If any questions arise concerning this publication or others, contact your local distributor for the latest available information.

Contents of this manual are based on information in effect at the time of publication and are subject to change without notice.

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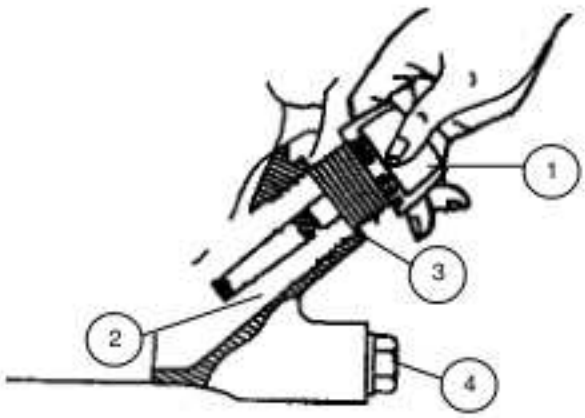
CHECK AND CHANGE ENGINE OIL

Before checking or refilling engine oil, be sure the machine is located on a stable level surface and stopped.
When checking oil do not thread the oil gauge (1, Figure 9-1) into oil filler to check oil level. If the oil level is below the lower level
(2, Figure 9-1) line on the dipstick, refill with the proper oil to the upper level (3, Figure 9-1)(to the neck of oil filler).

When changing oil stop the engine, loosen the drain plug (4, Figure 9-1), reintall the drain plug before refilling oil.
Add new oil at the oil gague (1, Figure 9-1) port.

Always use the best grade and clean oil. Contaminated oil, poor quality oil and shortage of oil cause damage to engine or shorten the engine life.

Figure 9-1



Changing and filling:
Capacity of engine oil ..... 0.6 liters (0.63 US quarts)
Recommend engine oil ..... SAE 10W30

Use class SE, SF (API classification) or higher grade oil.

Initial oil change ..... After 20 hours of operation.
Thereafter ..... Every 50 hours of operation.

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SECTION 5 - FUEL AND LUBRICATION SPECIFICATIONS

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FLUID CAPACITIES ____ 1

GENERAL INFORMATION

Lubrication is an essential part of preventive maintenance, affecting to a great extent the useful life of the unit. Different lubricants are needed and some components in the unit require more frequent lubrication than others.

Specific recommendations of brand and grade of lubricants are not made here due to regional availability, operating conditions, and the continual development of improved products. Where questions arise, refer to the requirements and specifications in the engine manufacturer's manual.

All oil levels are to be checked with the machine parked on a level surface, and while the oil is cold, unless otherwise specified.

TABLE 5-1 FLUID CAPACITIES

FUEL/OIL	APPROXIMATE CAPACITY
ENGINE FUEL (Unleaded Gasoline)	0.6 liters (0.63 qts)
VIBRATORY SHAFT CASE (JIS Turbine Oil #1 - (Vicosity 32)	0.42 Pints
ENGINE OIL (SAE 10W30)	1.06 Quarts

⚠ WARNING



Fuel is flammable. May cause injury and property damage.

Shut down the engine, extinguish all open flames and do not smoke while filling the fuel tank.

Always wipe up any spilled fuel.

CHECK FUEL

1. Stop the engine and open the fuek tank cap.
2. Use the automobile unleaded gasoline only.
3. Close the fuel cock before filling the fuel tank.
4. When filling the fuel tank, always use the fuel filter.
5. Wipe off any spilled fuel before starting the engine.

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SECTION 16 - SCHEMATICS

NOTE

**** No Schematics are necessary for this unit. ****

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ENGINE ASSEMBLY (58836347) - INTERNAL BREAKDOWN

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
		BOM 58836347		
1	IR58922386	Carburetor Assembly	1	
2	IR59321901	-Float Chamber Packing	1	
3	IR59321919	-Float Assembly	1	
4	IR59321927	-Float Pin	1	
5	IR59321935	-Float Chamber Body	1	
6	IR59321943	-Packing	1	
7	IR59321950	-Bolt	1	
8	IR59330753	-Main Jet	1	
9	IR59321976	-Screw	1	
10	IR59321984	-Choke Valve	1	
11	IR59321992	-Choke Lever	1	
13	IR59322008	-Needle Valve Assembly	1	
14	IR59322016	-Ring	1	
15	IR59322024	-Ring	1	
16	IR59543231	-Steel Ball	1	
17	IR59580845	-Spring	1	
18	IR59330761	-Throttle Valve	1	
21	IR59322040	-Shaft Assembly	1	
22	IR59543157	-Spring	1	
23	IR59322057	-Screw	1	
24	IR59319772	-Pilot Jet	1	
25	IR59322073	-Screw	1	
26	IR58922394	Air Cleaner	1	
27	IR59853812	-Air Cleaner Element	1	
28	IR59305607	-Gasket	1	
29	IR59322081	Lockwasher	1	
30	IR59322099	Bolt & Washer Assembly	1	
31	IR59322107	Spring Washer	2	
32	IR59322115	Nut	2	
-	NSVA	Crankshaft Assembly	0	
33	IR59330613	-Crankshaft Complete	1	
34	IR59320135	-Spacer	1	0.6
-	IR59320143	-Spacer	1	0.8
-	IR59320150	-Spacer	1	1
35	IR59320168	Key	1	

(Continued on next page)

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