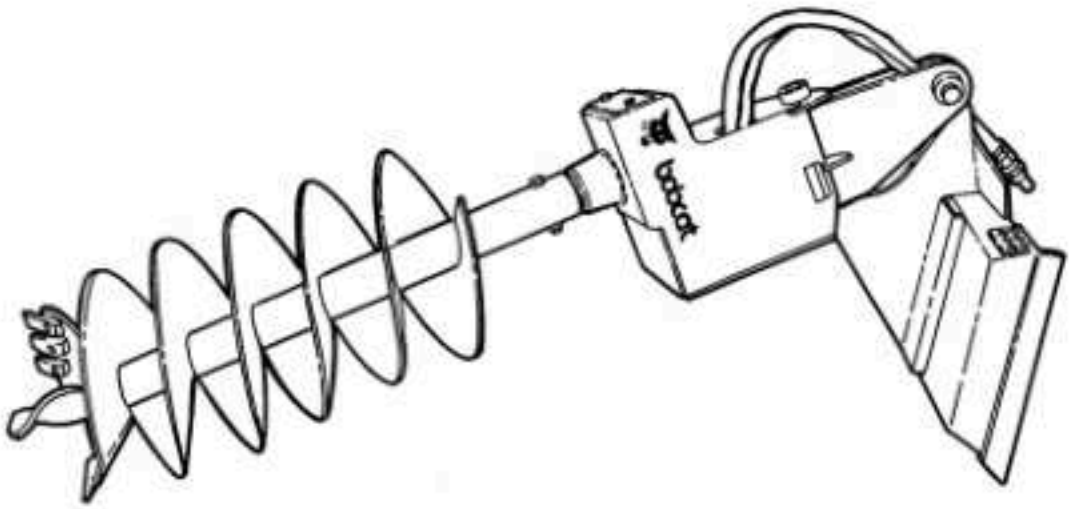
AUGER

Bobcat®

Operation & Maintenance Manual

(12) S/N 811800101 & Above
S/N 437500101 & Above
(12H) S/N 437100101 & Above
(18) S/N 811100101 & Above
(18H) S/N 811700101 & Above
(20) S/N 856300101 & Above
(20H) S/N 438300101 & Above



An IR Ingersoll Rand business

6724838 (8-00) Revised (6-05)

Printed in U.S.A.

© Bobcat Company 2005

MidWestTech | Bobcat 12, 12H, 18, 18H, 20, 20H Auger Operation & Maintenance Manual |... Order the manual at mid-west-tech.com >

CONTENTS

FOREWORD V

SAFETY IX

OPERATING INSTRUCTIONS OI-1

PREVENTIVE MAINTENANCE PM-1

SPECIFICATIONS. SPEC-1

REFERENCE INFORMATION

Write the correct information for YOUR Auger in the spaces below. Always use these numbers when referring to your Auger.

Auger Serial Number _____

NOTES:

_____

_____

_____

_____

_____

_____

YOUR BOBCAT® DEALER:

ADDRESS:

_____

PHONE:

_____

Bobcat Company
P.O. Box 128
Gwinner, ND 58040-0128

Bobcat Company Europe
J. Huysmanslaan 59
B-1651 LOT
Belgium

MidWestTech | Bobcat 12, 12H, 18, 18H, 20, 20H Auger Operation & Maintenance Manual |... Order the manual at mid-west-tech.com >

FOREWORD

This Operation & Maintenance Manual was written to give the owner/operator instructions on the safe operation and maintenance of the Auger. READ AND UNDERSTAND THIS OPERATION & MAINTENANCE MANUAL BEFORE OPERATING YOUR AUGER. If you have any questions, see your Bobcat dealer.

ATTACHMENT DELIVERY REPORT VII

SERIAL NUMBER LOCATIONS VII

MidWestTech | Bobcat 12, 12H, 18, 18H, 20, 20H Auger Operation & Maintenance Manual |... Order the manual at mid-west-tech.com >

HYDRAULIC CONTROLS (EXCAVATOR)

Operation

Figure OI-41

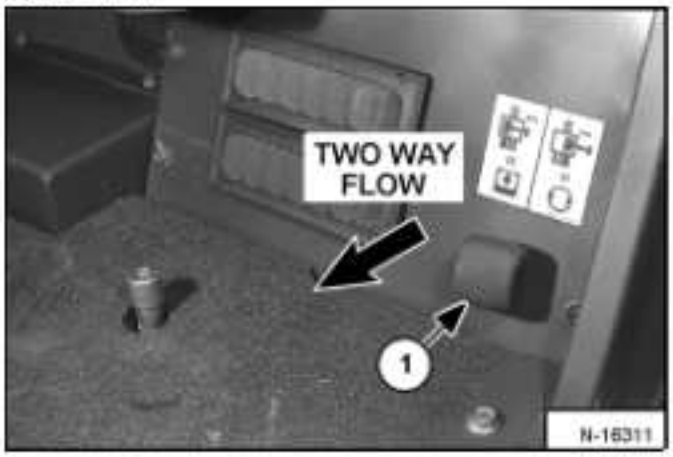
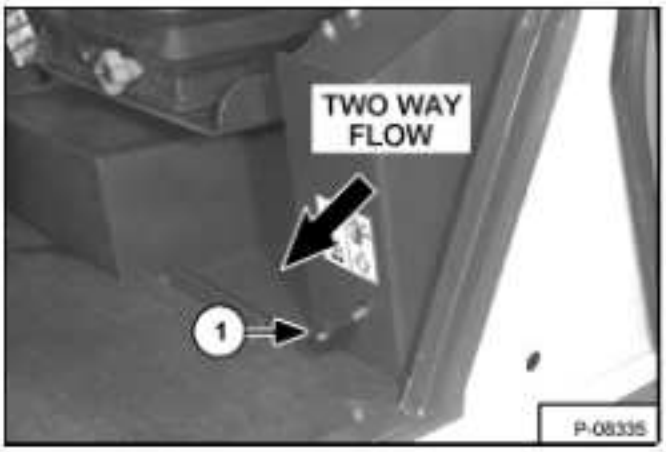
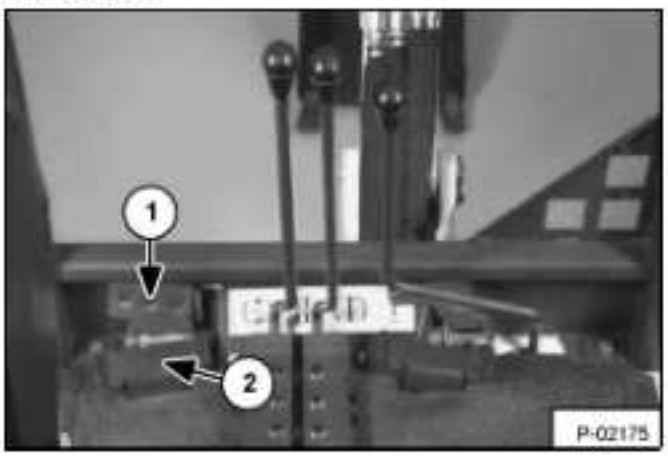


Figure OI-42



Pull the auxiliary flow control knob (Item 1) **[Figure OI-41]** or **[Figure OI-42]** (if equipped) out for two way flow.

Figure OI-43



All models: Raise the pedal lock/foot rest (Item 1) **[Figure OI-43]** (If equipped) to operate the auxiliary operation pedal.

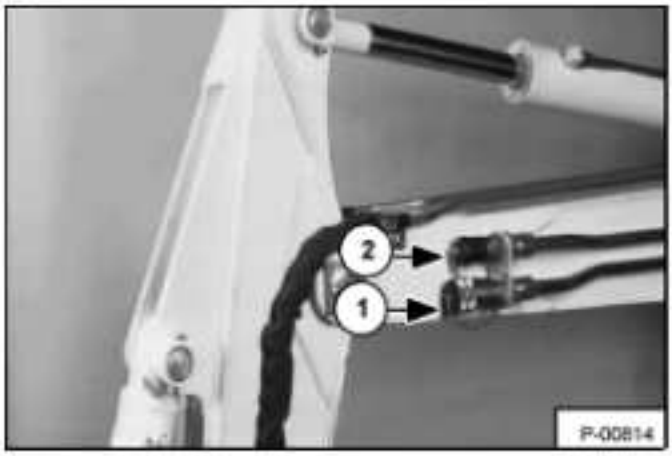
The pedal (Item 2) **[Figure OI-43]** is used to activate hydraulic function.

To rotate the auger, push the pedal (Item 2) **[Figure OI-43]** to the right.

For models 337 & 341 only: If equipped, the pedal (Item 2) **[Figure OI-43]** when pushed completely to the right locks in this position. This will continuously supply hydraulic fluid to the female coupler. To disengage the lock feature, step on the left side of the pedal (Item 2) **[Figure OI-43]** and center the pedal.

To reverse the auger rotation, push the pedal (Item 2) **[Figure OI-43]** to the left.

Figure OI-44



The female coupler (Item 1) **[Figure OI-44]** is pressurized, the male coupler (Item 2) **[Figure OI-44]** is return flow when pedal is pushed to the right.

MidWestTech | Bobcat 12, 12H, 18, 18H, 20, 20H Auger Operation & Maintenance Manual |... Order the manual at mid-west-tech.com >

AUGER SPECIFICATIONS

- 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.

Weight	
Model 12, 12H	170 lb. (77 kg)
Model 18, 18H, 20, 20H	172 lb. (78 kg
Loader Mounting Frame	151 lb. (68 kg)
Excavator Mounting Frame	33 lb. (15 kg)

Drive Shaft Speed (Approximate RPM)

GPM	MODEL 12	MODEL 18	MODEL 20
6.0 (22.7 L/m)	32	22	22
8.0 (30.3 L/m)	42	29	29
10.0 (37.9 L/m)	52	36	36
12.0 (45.4 L/m)	63	43	43
14.0 (53 L/m)	73	50	50
16.0 (60.6 L/m)	84	57	57
18.0 (68.1 L/m)	94	65	65
20.0 (75.7 L/m)	105	72	72
22.0 (83.3 L/m)	N/A	N/A	79
24.0 (90.8 L/m)	N/A	N/A	86
26.0 (98.4 L/m)	N/A	N/A	93

Torque - ft.-lb. (N·m)

PSI (KPA)	MODEL 12	MODEL 18 AND 20
1500 (10342)	876 (1187)	1287 (1745)
1750 (12066)	1022 (1385)	1495 (2027)
2000 (13790)	1168 (1583)	1709 (2317)
2100 (14479)	1227 (1663)	1794 (2432)
2200 (15169)	1285 (1742)	1880 (2549)
2300 (15858)	1344 (1822)	1965 (2664)
2400 (16548)	1402 (1901)	2051 (2781)
2500 (17237)	1460 (1979)	2136 (2896)
2750 (18960)	1600 (2169)	2350 (3186)
3000 (20684)	1752 (2375)	2564 (3476)

MidWestTech | Bobcat 12, 12H, 18, 18H, 20, 20H Auger Operation & Maintenance Manual |... Order the manual at mid-west-tech.com >

SAFETY INSTRUCTIONS

Safe Operation Is The Operator's Responsibility

Safety Alert Symbol

This symbol with a warning statement means: "Warning, be alert! Your safety is involved!" Carefully read the message that follows.

WARNING

Operator must have instructions before running the machine. Untrained operators can cause injury or death.

W-2001-1285

IMPORTANT

This notice identifies procedures which must be followed to avoid damage to the machine.

I-2019-0284

WARNING

Warnings on the machine and in the manuals are for your safety. Failure to obey warnings can cause injury or death.

W-2044-1285

The Bobcat machine and attachment must be in good operating condition before use.

Check all of the items on the Bobcat Service Schedule Decal under the 8-10 hour column or as shown in the Operation & Maintenance Manual.

Safe Operation Needs A Qualified Operator

For an operator to be qualified, he or she must not use drugs or alcoholic drinks which impair alertness or coordination while working. An operator who is taking prescription drugs must get medical advice to determine if he or she can safely operate a machine.

A Qualified Operator Must Do The Following:

Understand the Written Instructions, Rules and Regulations

- The written instructions from Bobcat Company include the Delivery Report, Operation & Maintenance Manual, Operator's Handbook, Safety Manual and machine signs (decals).
- Check the rules and regulations at your location. The rules may include an employer's work safety requirements. Regulations may apply to local driving requirements or use of a Slow Moving Vehicle (SMV) emblem. Regulations may identify a hazard such as a utility line.

Have Training with Actual Operation

- Operator training must consist of a demonstration and verbal instruction. This training is given by your Bobcat dealer before the product is delivered.
- The new operator must start in an area without bystanders and use all the controls until he or she can operate the machine and attachment safely under all conditions of the work area. Always fasten seat belt before operating.

Know the Work Conditions

- Know the weight of the materials being handled. Avoid exceeding the machine load capacities. Material which is very dense will be heavier than the same volume of less dense material. Reduce the size of load if handling dense material.
- The operator must know any prohibited uses or work areas, for example, he or she needs to know about excessive slopes.
- Know the location of any underground lines. Call local utilities or the TOLL FREE phone number found in the *USE SAFETY RULES* Section of this manual.
- Wear tight fitting clothing. Always wear safety glasses when doing maintenance or service. Safety glasses, hearing protection, Special Applications Kits or a Front Window Guard are required for some work. See your Bobcat dealer about Bobcat Safety equipment for your machine.

SI ATT-1203

MidWestTech | Bobcat 12, 12H, 18, 18H, 20, 20H Auger Operation & Maintenance Manual |... Order the manual at mid-west-tech.com >