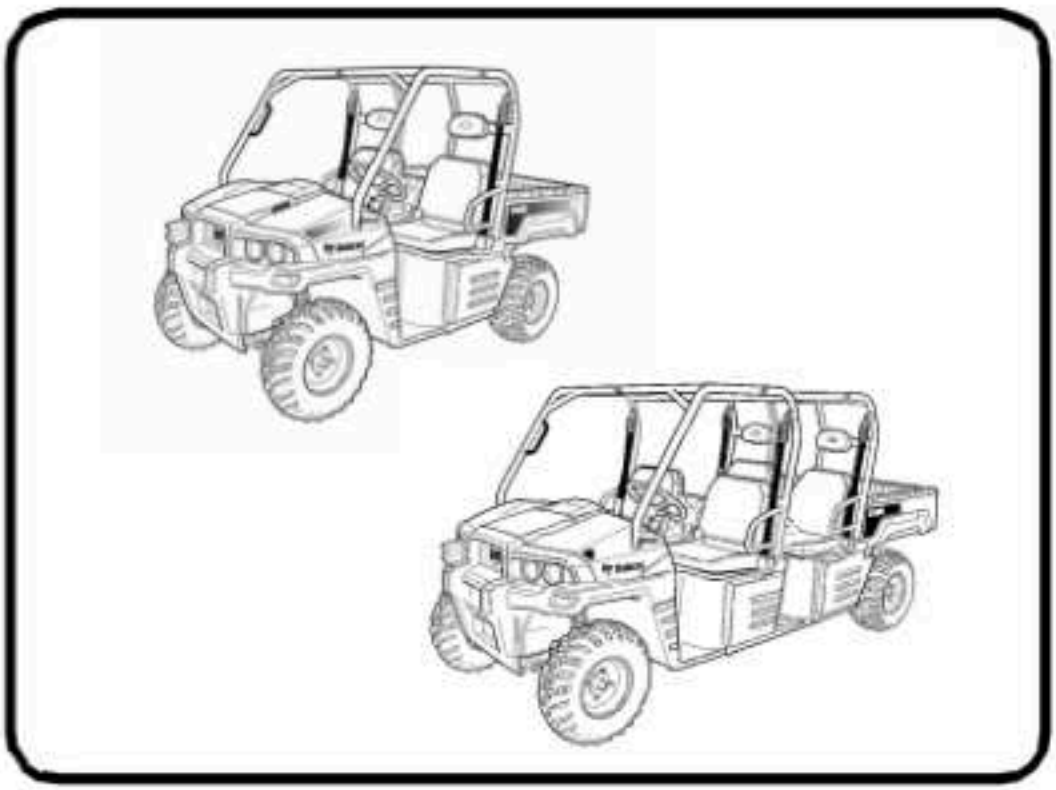
Bobcat®

Operation & Maintenance Manual
3400, 3400XL Utility Vehicle

S/N AJNU11001 & Above
S/N AJNW11001 & Above



6989605 (2-11) Revised (4-11) (2)

Printed in U.S.A.

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REFERENCE INFORMATION

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

Utility Vehicle Serial Number _____

Engine Serial Number _____

_____

NOTES:

_____

_____

_____

YOUR BOBCAT DEALER:

_____

ADDRESS:

_____

PHONE:

_____

Bobcat Company
P.O. Box 128
Gwinner, ND 58040-0128
UNITED STATES OF AMERICA

Doosan Benelux SA
Drève Richelle 167
B-1410 Waterloo
BELGIUM

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FOREWORD

This Operation & Maintenance Manual was written to give the owner / operator instructions on the safe operation and maintenance of the Bobcat utility vehicle. READ AND UNDERSTAND THIS OPERATION & MAINTENANCE MANUAL BEFORE OPERATING YOUR BOBCAT UTILITY VEHICLE. If you have any questions, see your Bobcat dealer. This manual may illustrate options and accessories not installed on your Bobcat Utility Vehicle.

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BOBCAT COMPANY IS IS0 9001 CERTIFIED

ISO 9001 is an international standard that specifies requirements for a quality management system that controls the processes and procedures which we use to design, develop, manufacture and distribute Bobcat products.

British Standards Institute (**BSI**) is the Certified Registrar Bobcat Company chose to assess the Company's compliance with the ISO 9001 at Bobcat's manufacturing facilities in Gwinner and Bismarck, North Dakota (U.S.A.), Pontchateau (France), Dobris (Czech Republic) and the Bobcat corporate offices (Gwinner, Bismarck & West Fargo) in North Dakota. Only certified assessors, like BSI, can grant registrations.

ISO 9001 means that as a company we say what we do and do what we say. In other words, we have established procedures and policies, and we provide evidence that the procedures and policies are followed.

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.

REGULAR MAINTENANCE ITEMS

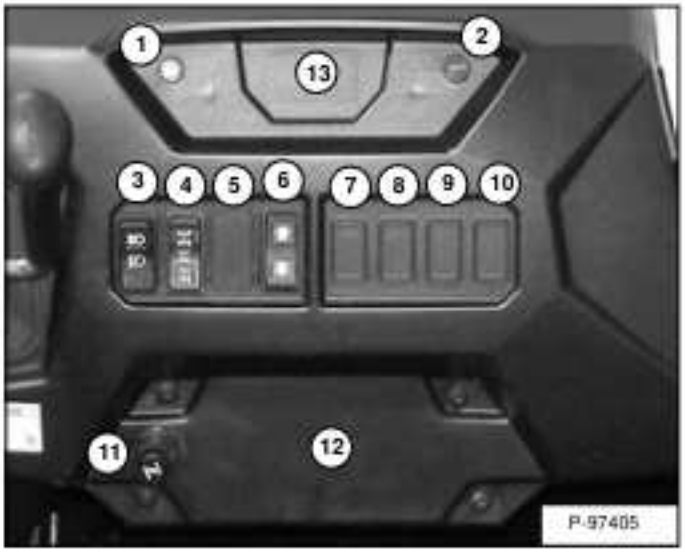
 ENGINE OIL FILTER 7018465	 BATTERY 6670251
 FUEL FILTER 6988961	 FRONT DIFFERENTIAL FLUID 2878408 - (1 qt)
 AIR FILTER 7016038	 PREMIUM GEAR LUBRICANT 6903121 - (1 qt)
 AIR PRE-FILTER 7016382	 ETHYLENE GLYCOL ANTI-FREEZE (1 U.S. gal) 6988096 - Premixed [-37°C (-34°F)] 6988097 - Concentrate
 CVT FILTER 7016384	 BRAKE FLUID 6988958 - DOT 4 Brake Fluid - (12 oz)
 DRIVE BELT 7018602	 SYNTHETIC GEARCASE FLUID 2878409 - (1 qt)
ENGINE OIL 6903105 . . . . SAE 15W/40 CE/SG (12 qt) 6903106 . . . . SAE 15W/40 CE/SG (1 U.S. gal) 6903113 . . . . SAE 15W/40 CE/SG (2.5 U.S. gal) 6903107 . . . . SAE 10W/30 CE/SG (12 qt) 6903108 . . . . SAE 10W/30 CE/SG (1 U.S. gal) 6903112 . . . . SAE 10W/30 CE/SG (2.5 U.S. gal)	 ALTERNATOR BELT 7020608
	GREASE 6903122 Multi Purpose #2 (14 oz Tube)

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OPERATOR CONTROLS AND INSTRUMENT PANELS (CONT'D)

Control Panel

Figure 9

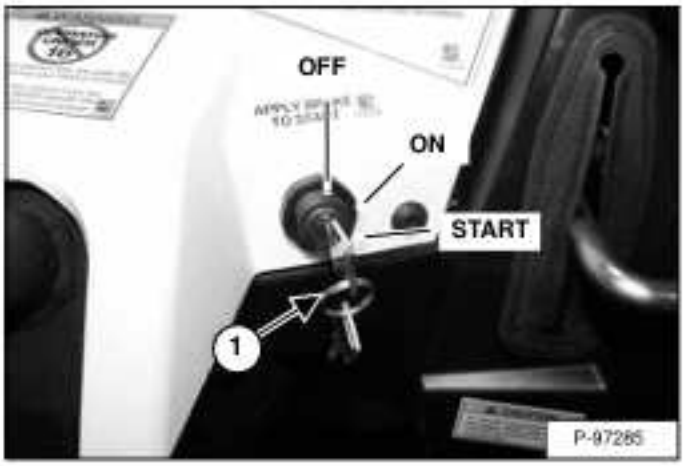


NOTE: Switch locations may vary from what is shown depending on options and accessories installed on your vehicle.

REF	DESCRIPTION	FUNCTION / OPERATION
1	Engine Preheat Light	Light is illuminated when glow plugs are activated.
2	Engine Oil Pressure Warning Light	Light is illuminated when oil pressure pressure is below allowable range. Stop engine if light comes ON.
3	Light Switch	Bottom Position - Headlights are OFF. Center Position - Low beam ON - amber low beam light in the switch will illuminate. Top Position - High beam lights ON - amber high beam light in the switch will illuminate. (Key switch must be in the ON position for the lights operate.) **NOTE: Tail lights are ON when the key switch is ON. They are not controlled by the light switch.**
4	Drive Mode Switch	Bottom position - Turf Mode (with unlocked rear differential) Center position - Two Wheel Drive (2WD - With locked rear differential) Top position - Four Wheel Drive (4x4.) (See Drive Mode Switch on Page 55.)
5	-	Available for accessories.
6	Raising And Lowering The Cargo Box - With Power Lift Assist Switch (Optional)	Press the top of the switch to raise the cargo box. Press the bottom of the switch to lower the cargo box. (See Raising And Lowering The Cargo Box (With Power Lift Assist) on Page 53.)
7	-	Available for accessories.
8	-	Available for accessories.
9	-	Available for accessories.
10	-	Available for accessories.
11	Power Port	Provides a 12 volt receptacle for accessories. (The power port has spade connectors on the back of the receptacle that may be used for powering optional accessories.)
12	Radio (Optional)	(See Radio (Optional) on Page 31.)
13	Speedometer (Optional)	(See SPEEDOMETER (OPTIONAL) on Page 42.)

Key - Start / Stop / Preheat

Figure 10



Key (Item 1) **[Figure 10]**. (See STARTING THE ENGINE on Page 40.)

OFF	The engine is OFF. Electrical circuits are off except for the power plug.
ON	Electrical circuits are on. Electrical accessories can be used.
START	Turn the key to the start position to engage the starter. Key returns to the ON position when released.

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AIR CLEANER SERVICE

Pre-Filter Element

For the correct service interval of the pre-filter element (See SERVICE SCHEDULE on Page 66.)

The intake air pre-filter is located under the front cover. The pre-filter traps larger particles before the air reaches the main engine air filter.

Removal

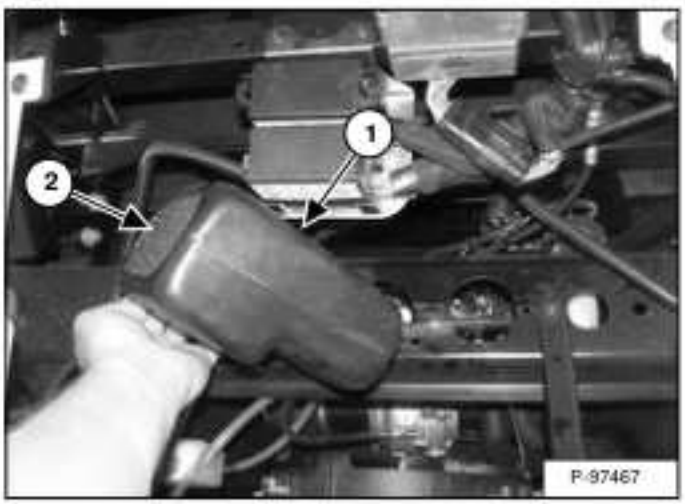
Figure 81



Remove the front cover. (See FRONT COVER on Page 109.)

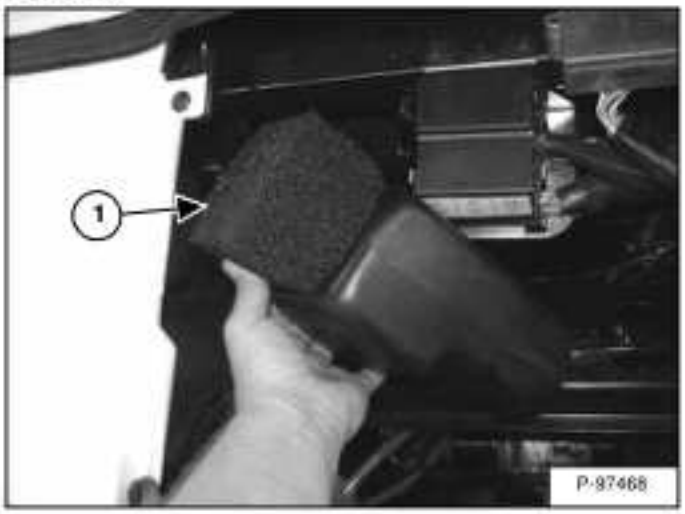
The pre-filter box (Item 1) **[Figure 81]** is connected to a rubber hose so the box can be relocated to access the element.

Figure 82



Rotate the pre-filter box (Item 1) back to access the pre-filter element (Item 2) **[Figure 82]** for removal.

Figure 83



NOTE: The fiber pre-filter element must be gently removed from the box to avoid tearing or damaging the element. Inspect the element for damage. If any damage is found, replace the element.

Reach into the box and squeeze the pre-filter element (Item 1) **[Figure 83]** to collapse it to aid in removal.

DO NOT used compressed air to clean the pre-filter box. Use a clean damp cloth and wipe out the inside of the box.

Cleaning Element

If the element is dirty, clean it with a high flash point solvent, followed by hot soapy water. Rinse and dry the filter element thoroughly. Inspect element for tears or damage. Replace if necessary.

Installation

Squeeze the pre-filter element (Item 1) **[Figure 83]** and insert into the box. Make sure the element is properly installed so that it fits snugly back into the box.

Reposition the pre-filter box (Item 1) **[Figure 81]** back to its original location.

Reinstall the front cover.

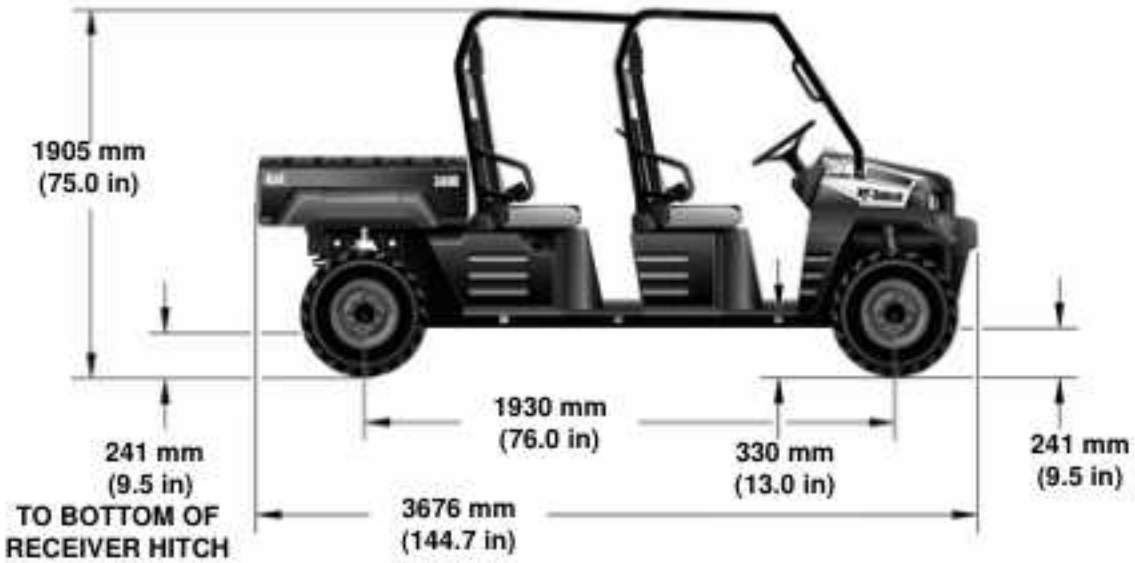
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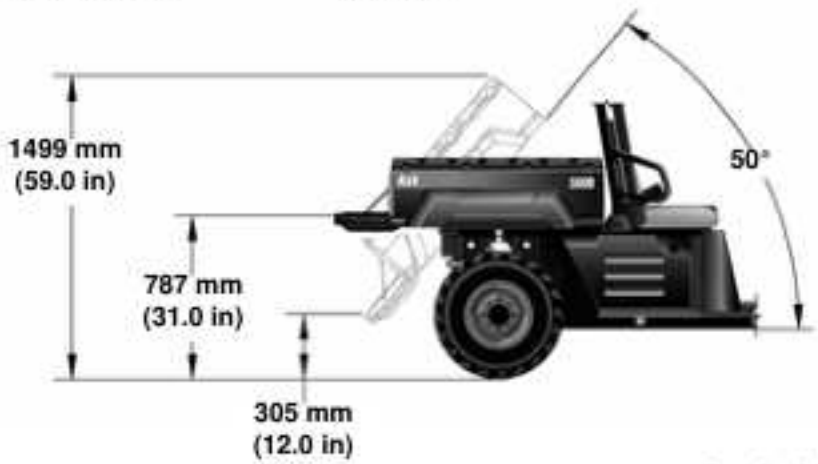
UTILITY VEHICLE SPECIFICATIONS (CONT'D)

(3400XL) Dimensions

- Dimensions are given for utility vehicle equipped with standard tires. All dimensions are shown in millimeters. Respective imperial dimensions are given in inches enclosed by parentheses.
- Where applicable, specification conform to SAE, ANSI or ISO standards and are subject to change without notice.







Turning Radius - Turf Mode = 3607 mm (142 in)
Turning Radius - Two Wheel Drive = 4147 mm (153.25 in)
Turning Radius - Four Wheel Drive (4x4) = 4140 mm (153 in)

Box Inside Dimensions:
1371 x 927 x 292 mm
(54.0 x 36.5 x 11.5 in)

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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 operating the utility vehicle. Untrained operators can cause injury or death.

W-2855-0510

IMPORTANT

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

I-2317-0510

DANGER

The signal word DANGER on the utility vehicle and in the manuals indicates a hazardous situation which, if not avoided, will result in death or serious injury.

D-1022-0510

WARNING

The signal word WARNING on the utility vehicle and in the manuals indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

W-2856-0510

The Bobcat utility vehicle, attachments and accessories must be in good operating condition before use.

Check all of the items on the Daily Inspection 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 the utility vehicle, attachments and accessories.

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, and utility vehicle 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.

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 vehicle, attachments and accessories safely under all conditions of the work area. Always fasten seat belt before operating.
- The utility vehicle Safety Video is available from your Bobcat dealer in english and spanish. It provides information for safe vehicle operation.

Know the Work Conditions

- Know the weight of the materials being handled. Never exceed the vehicle Load Capacities. Material which is very dense will be heavier than the same volume of less dense material. Reduce the size of the 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 *Before Operation* Section of this manual.
- Wear tight fitting clothing. Always wear safety glasses when doing maintenance or service. Safety glasses, respiratory equipment and hearing protection are required for some work.

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