OPERATOR'S MANUAL

LS180.B
LS185.B/LT185.B
LS190.B/LT190.B
SKID STEER

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Chapter 2

SAFETY, AND SAFETY DECALS

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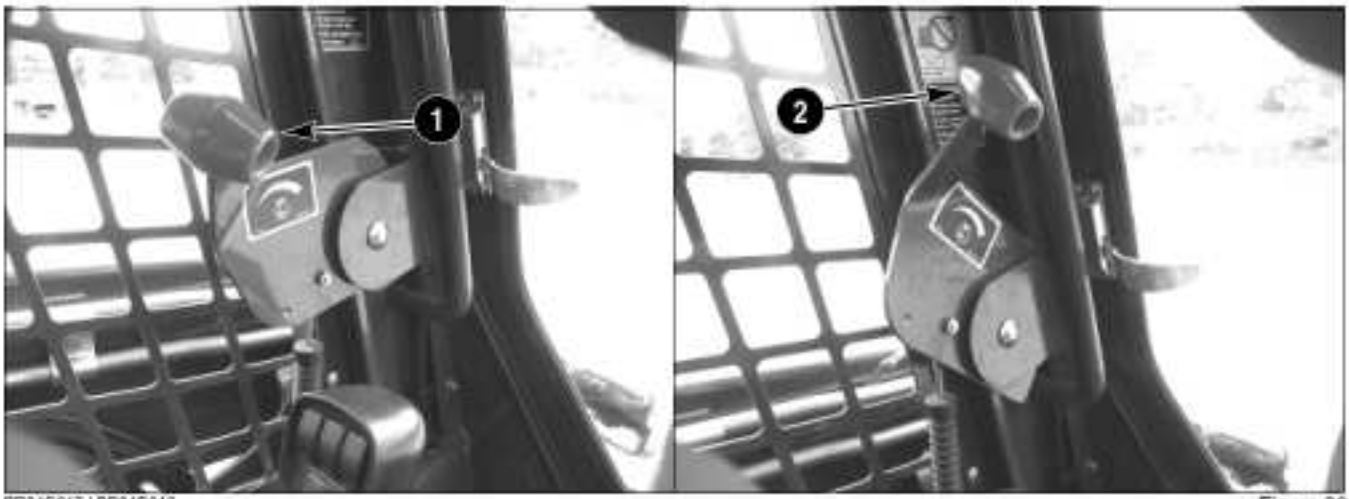
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THROTTLE CONTROL



BD04G017 / BD04G018 Figure 32

1. THROTTLE CONTROL LEVER IN LOW IDLE POSITION
2. THROTTLE CONTROL LEVER IN HIGH IDLE POSITION

The lever is located to the left of the operator on the cab post. The lever pulled to the rear is the low idle position. Pushing the lever forward slightly positions the control in the start position. Pushing the lever to the full forward position is high idle (full throttle).

NOTE: *Most operation conditions require full throttle position.*



Figure 33

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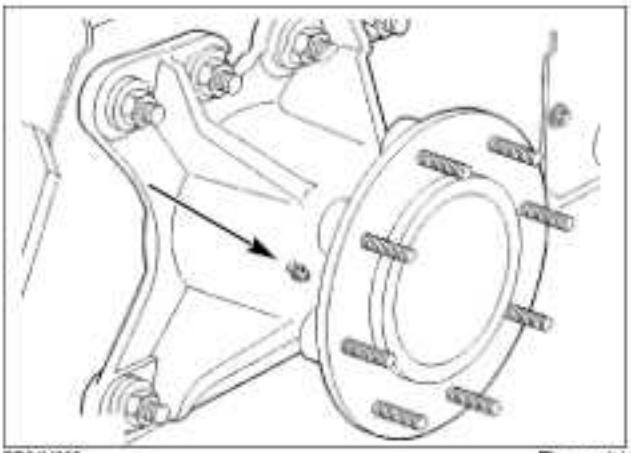
EVERY 1000 HOURS

LUBRICATE THE AXLES

A grease fitting is provided on each axle. The axles should be lubricated every 1000 hours or if a wheel is removed for any reason.

When operating in liquid or semi-liquid conditions where the axles are submerged it is necessary to lubricate at 500 hour intervals.

Specification . . . . . .Molydisulfide grease



BO04H090 Figure 14

With some wheel and tire combinations it may be necessary to remove the wheel.

WARNING: *Never use the skid steer attachment or loader arms to raise the machine for service.*

Figure 15

NOTE: *Machines equipped with the optional heavy duty axle seal will not have axle grease fittings.*

Wheel nut torque . . . . . 125 pound-feet (169 Nm)

INSPECT THE ENTIRE MACHINE FOR LOOSE OR DAMAGED HARDWARE

Check the entire machine for hardware that has become loose or damaged. Replace damaged hardware and use proper torque values.

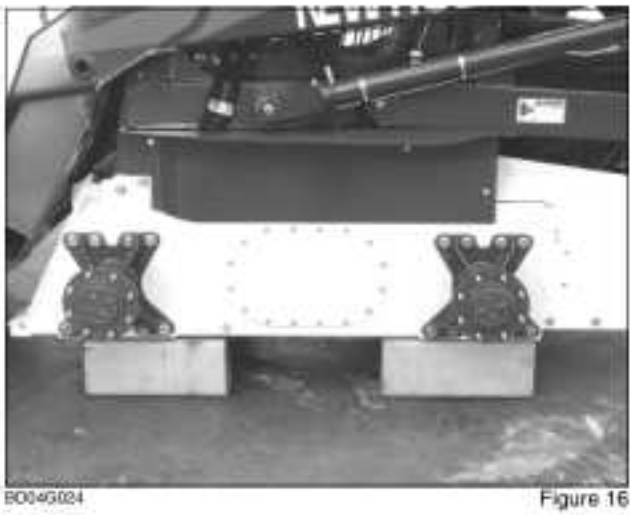
Under extreme conditions this service interval should be decreased.

ENGINE VALVE CLEARANCE CHECK

Have your Dealer Technician check the valves for proper adjustment.

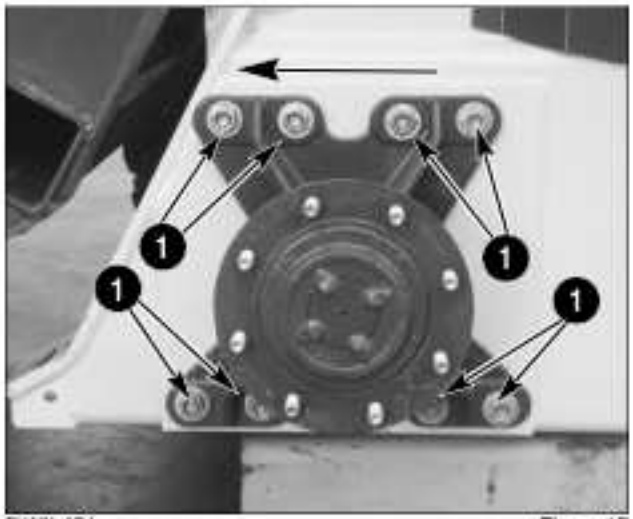
CHECK THE FINAL DRIVE CHAIN

To adjust the final drive chains jack up and block the complete skid steer securely off the ground.



BO04G024 Figure 16

Block the machine securely.



CHAIN_ADJ Figure 17

1. RETAINING NUTS (LEFT FRONT SHOWN)

Each axle drive chain is adjustable by loosening the retaining nuts and sliding the axle-hub assembly to remove the excessive slack.

To tighten the chains slide the front axle-hubs forward and the rear axle-hubs rearward.

Torque the axle retaining hardware to 140 pound-feet (190 Nm).

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MAINTENANCE AND ADJUSTMENTS

ROLL-OVER PROTECTIVE STRUCTURE

Your machine has a Roll-Over Protective Structure (ROPS). A ROPS label shows the certification of the ROPS, gross weight, approval, regulation, and model numbers of the machine. The label is behind the operator seat.

Before you operate this machine, always make sure that the ROPS and operators seat belt is correctly installed.

MAINTENANCE AND INSPECTION OF ROPS

1. Check the torque of the ROPS mounting bolts. If necessary, tighten the bolts to the correct torque. See ROPS Torque Specifications in this manual.
2. Check the operators seat and the mounting parts for the seat belt. Tighten the bolts to the correct torque. See "Operators Seat" in this manual. Replace the parts that have wear or damage.
3. Check for cracks, rust, or holes in the ROPS and ROPS parts. Age, weather, and accidents can cause damage to the ROPS and ROPS parts. If you have any doubt about the ROPS system, see your Dealer.

SEAT BELT

The seat belt is an important part of your ROPS. You must wear the seat belt at all times when you operate the machine.

Before you operate this machine, always make sure that the ROPS and operator's seat belts are correctly installed.

WARNING: *You are protected by the ROPS (Roll-Over Protective Structure) system on this machine. The seat belt is an important part of that ROPS system. Before you operate this machine, always fasten the seat belt. If the machine rolls over and you DO NOT have the seat belt fastened, you can be crushed by the ROPS or the machine.*

SA080

DAMAGE TO THE ROPS

If the machine has rolled over or the ROPS has been in some other type of accident (such as hitting an overhead object during transport), you must replace the damaged ROPS components to get as much protection as you had originally.

After an accident, check the following for damage.

A. ROPS canopy.

B. Lower ROPS frame.

C. Operator' s seat.

D. Seat belt mounting and seat belt.

Before you operate the machine, replace all ROPS components that are damaged.

See the parts catalog or your dealer for components that can be replaced.

DO NOT TRY TO WELD OR STRAIGHTEN THE ROPS.

WARNING: *Do not modify ROPS in any manner. Unauthorized modifications such as welding, drilling, cutting or adding attachments can weaken the structure and reduce your protection. Replace ROPS if subjected to roll-over or damage. Do not attempt to repair.*

SB026

WARNING: *Adding additional weight (attachments, etc). to the machine can cause injury or death. Do not exceed the gross weight printed on the ROPS label.*

SA028

WARNING: *Improper ROPS inspection or maintenance can cause injury or death. Do the recommended ROPS inspection shown in this manual. If you must replace the ROPS, ROPS parts, or ROPS mounting hardware, use only the replacement parts shown in the parts catalog for this machine.*

SA029

WARNING: *Before you start the engine, always sit in the operators seat, fasten the seat belt, apply the parking brake, and make sure the transmission direction control is in NEUTRAL. Give a warning to all persons around you that you are starting the engine.*

SB037

Torque Specifications

ROPS Mounting Bolts

Front Bolts . . . . . 160 pound-feet (216 Nm).

Rear Bolts. . . . . 80 pound-feet. (108 Nm)

See page 5-25 of the Lubrication Chapter.

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