NEW HOLLAND CONSTRUCTION

LS180

OPERATOR'S MANUAL



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Reprinted

NEW HOLLAND

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HIGH/LOW RANGE CONTROL - (Optional)

The LS180 Skid Steer may be equipped with variable displacement motors and a control switch in the top of the right hydrostatic directional control lever, 1. Pressing the switch will change the motor camplate angle and will vary the ground speed in low range from 0 to 7.5 MPH, high range from 0 to 12 MPH.

Low range is the normal working range for maximum skid steer efficiency. High range is for transport only.

MAXIMUM TORQUE IS OBTAINED AT MINIMUM GROUND SPEED. THE MAXIMUM TORQUE IS OBTAINED AT MINIMUM GROUND SPEED IN LOW RANGE.

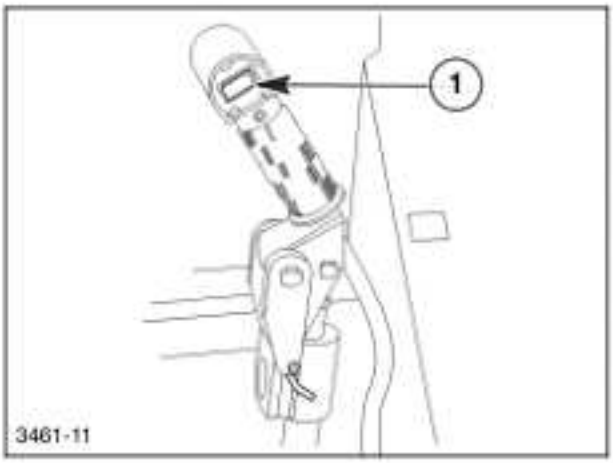


Figure 2-24

CAUTION: ALWAYS USE CAUTION WHEN OPERATING A SKID STEER AT MAXIMUM SPEEDS. SLOW DOWN ON ROUGH TERRAIN, AND DURING TURNS. NEVER OPERATE THE SKID STEER FASTER THAN CONDITIONS PERMIT.

HYDROSTATIC CONTROL LINKAGE

The hydrostatic control linkage bell crank, 1, right side control and, 2, left side control, located under the operator's seat, has three positions for the servo-control arm link to be connected at 3, 4, or 5.

The skid steer is shipped with the linkage connected in the center position 3. This position will give the operator maximum torque at the wheels.

Position 4 will give the operator maximum wheel speed with less torque.

Position 5 will give the operator a slower wheel speed.

Refer to the maintenance/adjustment section for linkage positioning and adjustment.

IMPORTANT: The right and left control linkage must be in the same location at 3, 4, or 5, for proper operation and wheel speeds.

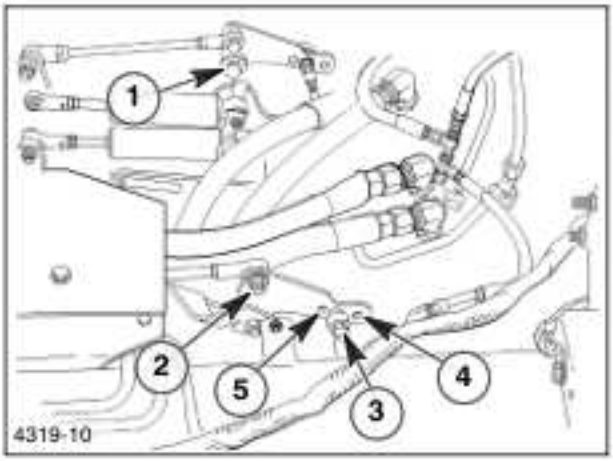


Figure 2-25

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AXLES (4)

A grease fitting, 1, is provided in each axle to lubricate the axle bearings. 1000 hours or if a wheel is removed for any reason (replace tires, fix flat, etc.). Lubricate the axles every 500 hours when operating with tracks or when operating in liquid or semi-liquid conditions where the skid steer axles are submerged.

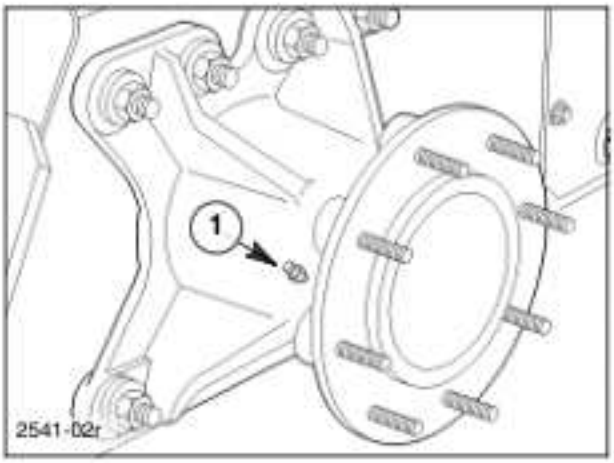


Figure 3-10

STEERING AND CONTROL LINKAGE

Lubricate the control linkage pivots, 1, with 10W-30 API Service SH/CG-4 oil and grease the fittings, 2, every 100 hours.

FOOT OR HAND CONTROLS, PARKING BRAKE LINKAGE

Lubricate the linkage pivot points with 10W-30 API Service SH/CG-4 oil. 100 Hrs.

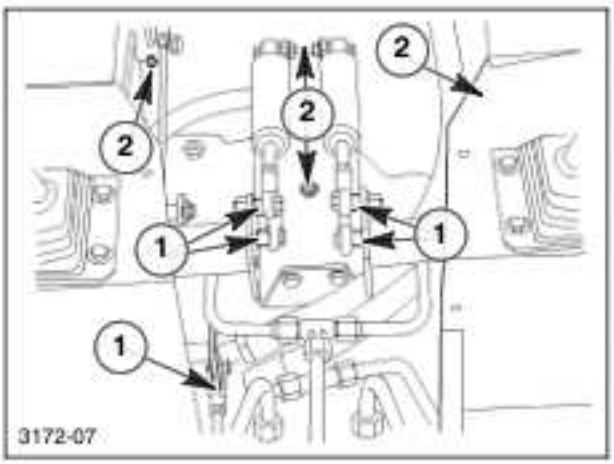


Figure 3-11

ENGINE GEARBOX

Check the oil level at, 1, and add oil at 2, to maintain the proper oil level, use SAE 80W-90 gear oil.

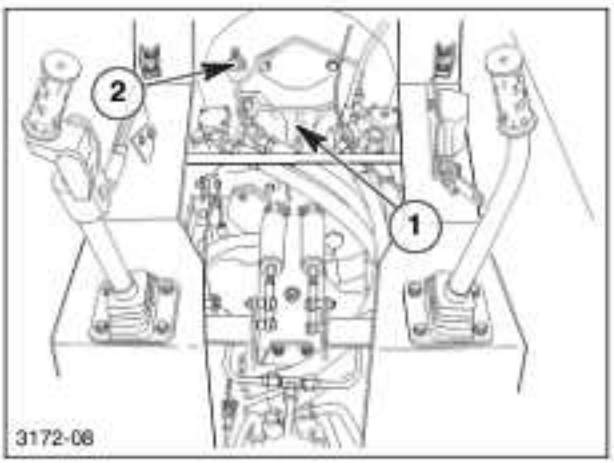


Figure 3-12

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PRE-CLEANER/ASPIRATOR (ENGINE)

The aspirator pre-cleaner, 1, can be installed when operating in dusty applications to prolong air cleaner element life.

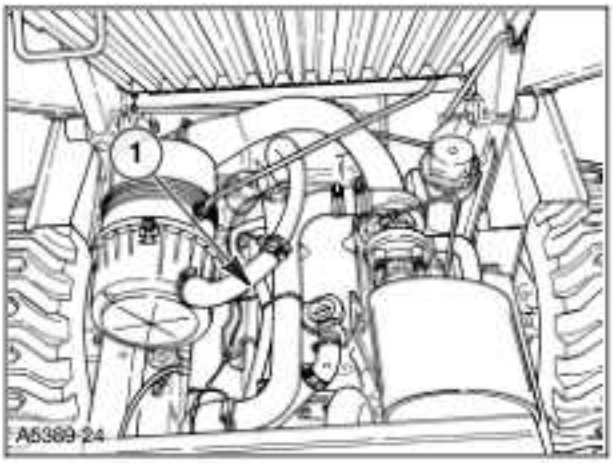


Figure 6-25

REAR COUNTER WEIGHTS

The rear counter weights, three 60# weights per side, 1, can be installed when heavy attachments are attached to the front of the loader or in applications where more rear weight is required for stability.

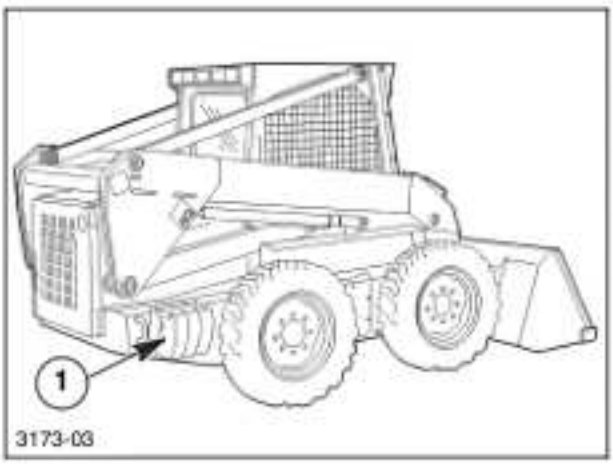


Figure 6-26

REAR VIEW MIRROR

The rear view mirrors, 1, can be installed to provide more rear view ability. One or two mirrors can be installed.

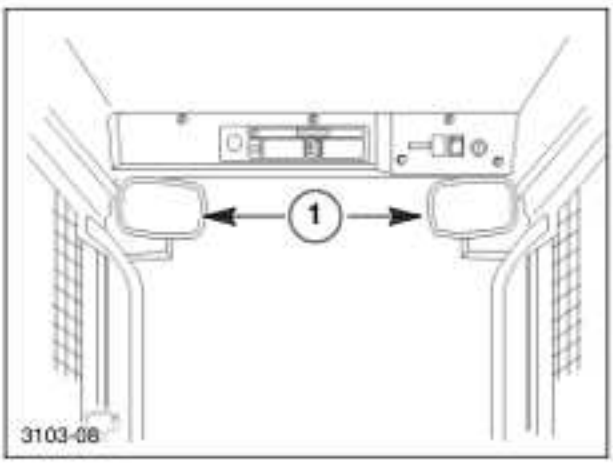


Figure 6-27

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