Lull®

PLACE ACE™ SERIES

OWNERS/OPERATORS MANUAL

Model 644E-42

(S/N 0160003878 thru 0160037404)



Keep this manual with the vehicle at all times.

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Windshield Washer Control (Closed Cab Only)


OS19401

This rocker switch (2) is spring loaded to return to the OFF position when released. The switch is located in the lower bank of switches on the right side of the dash.

- Release the switch to deactivate the washer control.


OH2591

- Press and hold the BOTTOM of the rocker switch in to activate the windshield washer. The rocker switch is spring loaded and will return to the OFF position when released.


OH2611

Skylight Wiper/Washer & Rear Window Washer (Closed Cab Only)


OS2100


OM1520

The skylight (roof) wiper/washer rocker switch and rear window washer switch (3) is located in the lower bank of switches on the right side of the dash. This single rocker switch controls the skylight (roof) wiper, skylight (roof) washer along with the rear window washer. When the skylight (roof) washer is activated the rear window washer is also activated.

- Push the TOP of the rocker switch in to turn the skylight (roof) wiper OFF.


OH2591

- Place the rocker switch in the MIDDLE position to turn the skylight (roof) wiper ON. This wiper is a single speed wiper.


OH2601

- Press and hold the BOTTOM of the rocker switch to activate the skylight (roof) and rear window washers. The rocker switch is spring loaded and will return to the skylight (roof) wiper ON position when the washer position is released.


OH2611

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Operation

To accurately use the capacity chart, the operator must first determine three important things:

1. Weight of the load being lifted.
2. Height of the structure where the load is to be placed.
3. Distance where the load will ultimately be placed in front of the front tires.

Reading Capacity Charts

Example: (1)

1. The operator has placed the load onto the forks, fully retracted the boom, positioned the vehicle perpendicular to the structure and leveled the vehicle.
2. The operator determines that:
   - The weight of the load is 6,000 pounds (2.721 kg).
   - The height of the structure the load is to be placed upon is 27 feet (8 meters) from ground level.
   - The distance where the load will ultimately be placed in front of the vehicle is 13 feet (4 meters) from the front of the tires.
   - The transfer carriage will remain fully retracted (0°).
3. After applying the height of the structure and the distance of load placement away from the vehicle to the sample capacity chart, the operator knows that it will be safe to place the load if the boom extend letter for zone ìEî has not started to show and the boom angle indicator reading does not go below approximately 45 and the transfer carriage will remain fully retracted.

This condition is, however, a maximum limit for this weight, height and distance away from the vehicle. The operator should move the vehicle closer to the structure to assure that the vehicle will not exceed the maximum limits for placing the load.

WARNING: **DO NOT** exceed rated capacities! Any attempt to lift or carry loads in excess of those shown on the capacity chart may cause vehicle tipover, loss of load or structural damage which could result in death or serious personal injury.

IMPORTANT! *When using the PlaceAceô transfer carriage to place a load, be sure to refer to the appropriate load chart that depicts the operation (movement) of the transfer carriage (1° to 80°). This chart applies to any movement of the transfer carriage. The load charts are reproduced at the end of this manual in the ìLoad Chartî section.*

To accurately identify the load charts that apply, refer to the following icons which are also located in the upper right hand corner of each load chart.

- Use for any forward movement (1° to 80°) of the transfer carriage.
- Use for 0° of transfer carriage movement. Fully retracted position only.



OU1080

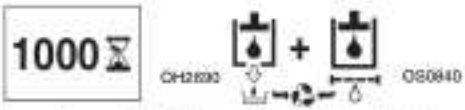
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B. Hydraulic Oil & Filter Change

(First 100 Hours - Filter Only)



(1000 Hour Intervals - Oil & Filter)



Change the hydraulic oil filter after the first 100 hours of operation and change the hydraulic oil and filter every 1000 hours of operation thereafter. The hydraulic filter must be changed anytime the hydraulic oil filter restriction warning indicator light on the front dash panel comes ON. See page 51 for the location of this light on the front dash panel.

1. Level the vehicle, ground the attachment, place the travel select lever in the (N) NEUTRAL DETENT position and engage the parking brake switch.
2. Fully retract all hydraulic cylinders and shut off the engine.
3. Unlatch and open the engine cover. Allow the oil to cool.

> **WARNING:** **DO NOT** change the hydraulic oil or filter with the engine running. Contact with moving parts can cause death or serious personal injury.

4. Clean around the hydraulic filter head cover (1). Loosen but do not remove the washer head bolts (2) that secure the filter head cover to the hydraulic filter housing (3).
5. Rotate the cover clockwise and remove the cover (1). Retain the o-ring seal (4) located in the groove on top of the filter housing.
6. Remove the spring (5) from the top of the filter. Remove the filter (6) with center assembly from the filter chamber.
7. Remove the center assembly (7) from the filter, discard the filter.
8. Inspect the inside of the filter chamber (8). If contamination is evident, the chamber can be pulled straight out and cleaned. Be sure to retain the o-ring (9) under the lip of the chamber. Reassemble the chamber and o-ring. Be sure the chamber is seated tight against the inside of the filter housing.
9. Install a new filter (6) onto the center assembly (7). Push the filter all the way on.
10. Insert the filter into the filter chamber (8) and seat completely over the tube at the bottom of the chamber.
11. Reposition the spring (5) with the wide side up, on top of the filter.
12. Reposition the cover on top of the housing, rotate the cover counterclockwise into position under the washer head bolts. Torque all four washer head bolts to 9 lb-ft (12 Nm).

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