

Contents of Crate

- Tractor (1)
- Hood Topper (1) – If Equipped
- Front Bumper (1) – If Equipped
- Operator's Manual (1)
- Dash Cap (1) – If Equipped
- Ignition Key (1)
- Engine Operator's Manual (1)
- Steering Wheel Asm. (1) – If Equipped

NOTE: This Operator's Manual covers several models. Tractor features may vary by model. Not all features in this manual are applicable to all tractor models and the tractor depicted may differ from yours.

NOTE: All references in this manual to the left or right side and front or back of the tractor are from the operating position only. Exceptions, if any, will be specified.

Tractor Preparation

Manually Moving the Tractor

1. Engage the transmission bypass rod to move the tractor manually without starting it. The transmission bypass rod is located on the rear of the tractor, on the frame. Engage the bypass rod by pulling out. See Figure 3-1.

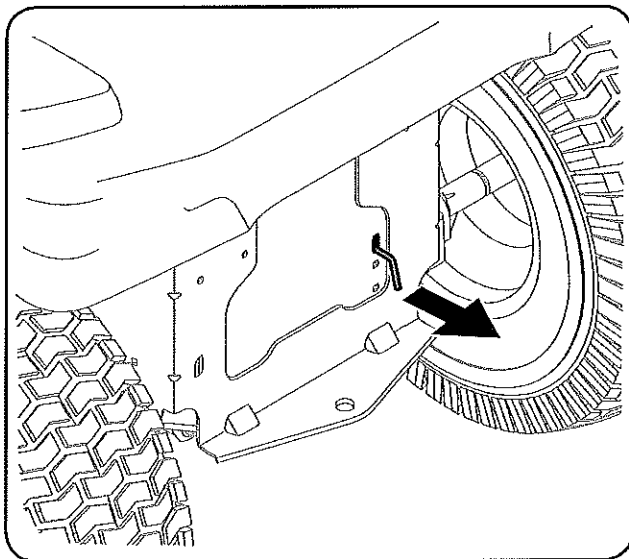


Figure 3-1

NOTE: If the tractor will not move or does not move freely when pushing check if the bypass lever is fully open or the brake is engaged.

NOTE: The transmission will NOT engage when the hydrostatic bypass rod is pulled out. Return the rod to its normal position prior to operating the tractor. If the tractor will not move when pushing on the forward/reverse pedals, or moves slowly, check to see if the bypass valve is on.



CAUTION: Never tow your tractor. Towing the tractor with the rear wheels on the ground may cause severe damage to the transmission.

2. Disengage the bypass rod by pushing the rod back in after moving the tractor. See Figure 3-1.

Install Operator's Seat (If necessary)



WARNING! Before operating the tractor, make sure the seat is engaged in the seat-stop. Engage the parking brake. Stand behind the machine and pull back on seat until it clicks into place.

To install the seat proceed as follows:

NOTE: The seat is shipped with the seat switch and seat pan attached.

1. Cut any straps securing the seat assembly to the tractor. Remove any packing material.

NOTE: Be careful not to cut the wiring harness connecting the seat and the seat switch.

2. Remove the two shoulder screws and flange lock nuts in the seat pan as shown in Figure 3-2.

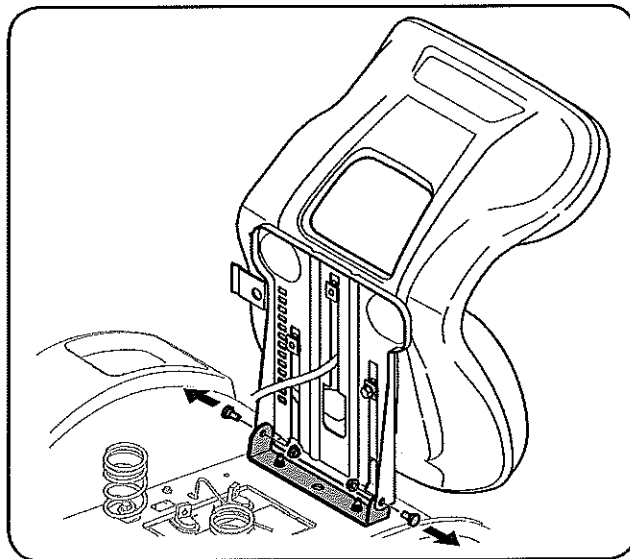


Figure 3-2

NOTE: Be sure that the nylon flange bearings (if equipped) remain in place on the seat bracket mounting holes. If they come out during the removal of the shoulders screws and flange lock nuts make sure to replace them before installing the seat.

3. Rotate the seat into position and secure the seat into place with the previously removed shoulder screws and flange lock nuts. Be careful not to crimp or damage the wire harness while installing the seat. See Figure 3-3.

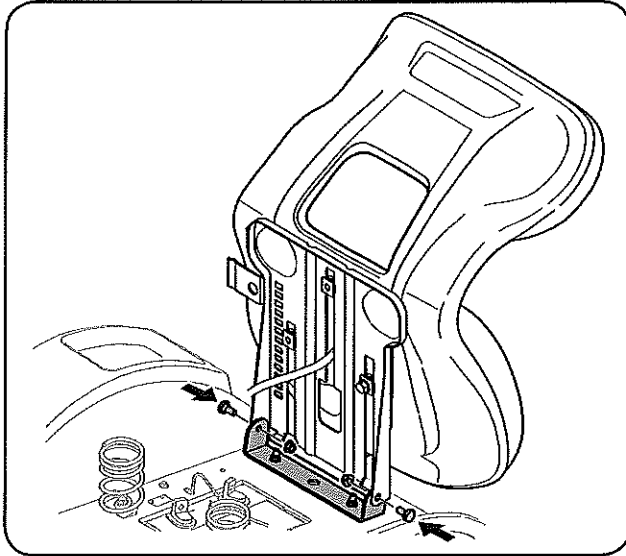


Figure 3-3

4. Using the harness clip attached to the harness, secure the excess wire to the fender by snapping the harness clip in place as shown in Figure 3-4.

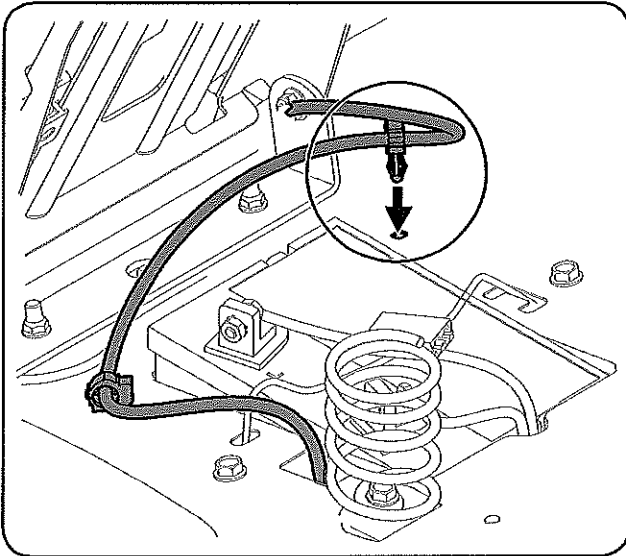


Figure 3-4

Lower Deck Discharge Chute Deflector



WARNING! Never operate the mower deck without the chute deflector installed and in the down position.

1. Check the mower deck for a shipping brace that may be holding the chute deflector upward for shipment. If the brace is present, it must be removed before operating the tractor. Holding the chute deflector fully upward, remove the shipping brace. Lower the chute deflector and discard the shipping brace. See Figure 3-5.

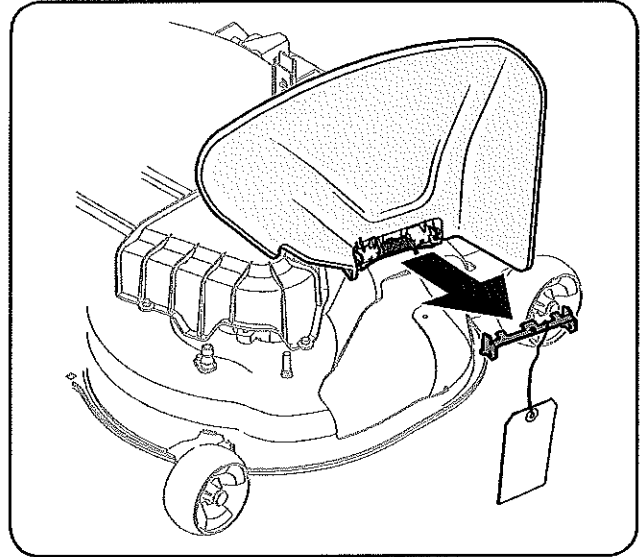


Figure 3-5

Installing the Hood Topper (If necessary)

To install the hood topper (1), line up the holes on the hood topper (1) up with the tabs (2) in the hood frame as shown in Figure 3-6. Insert the tabs (2) into the hood topper and pull back to lock into place.

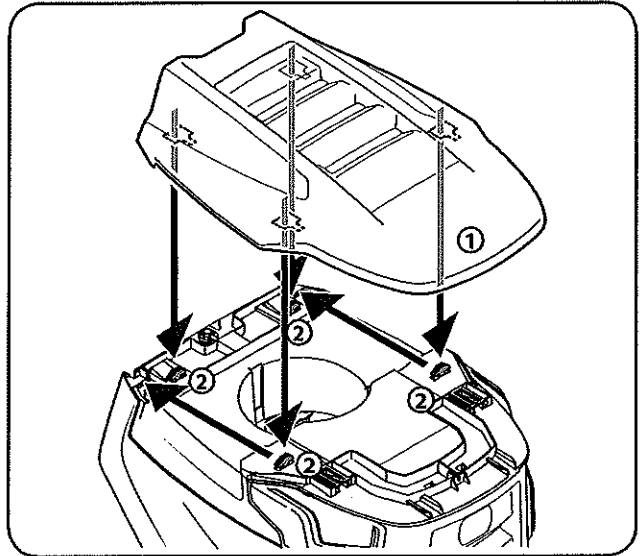


Figure 3-6

Installing the Dash Cap (If necessary)

To install the dash cap (1), line up the tabs (2) on the dash cap (1) with the holes in the upper dash as shown in Figure 3-7. Slide the tabs (2) into the holes in the upper dash and push forward on the dash cap (1) to lock into place.

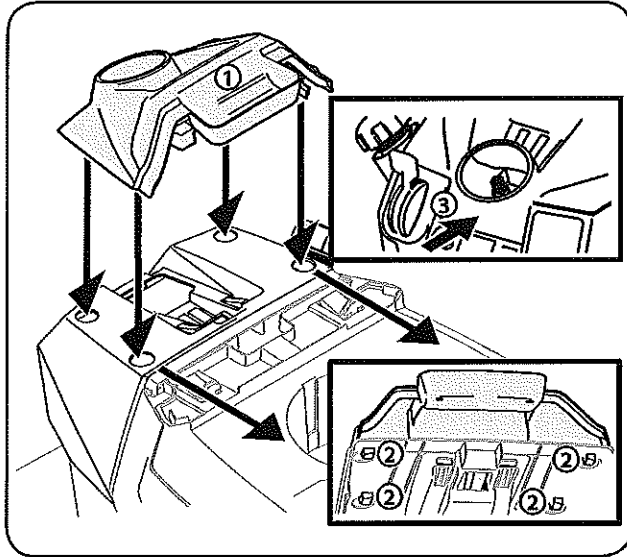


Figure 3-7

NOTE: Be sure to press on the lower part of the dash cap (3) facing the operator position to ensure the lower tabs on the dash cap are in place.

Installing the Steering Wheel (If necessary)

The hardware for attaching the steering wheel has been packed within the steering wheel, beneath the steering wheel cap. Carefully pry off the steering wheel cap and remove the hardware.

IMPORTANT! Do not use impact tools to install or remove the steering wheel. Doing so may cause damage to critical power steering components.

1. With the wheels of the tractor pointing straight forward, align the steering wheel by using the center-line on the front of the steering wheel pointing straight ahead and the flat section of the steering wheel facing toward the seat, place the steering wheel over the steering shaft. See Figure 3-8.

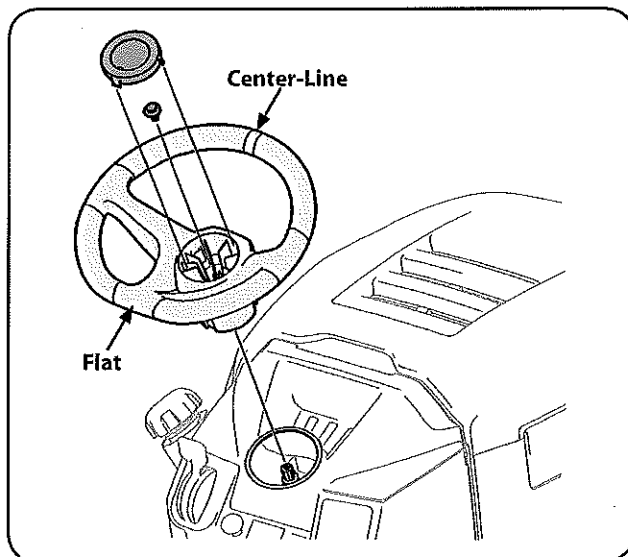


Figure 3-8

2. Secure the steering wheel with the hex bolt from under the cap and torque to 18-22 ft./lbs.
3. Place the steering wheel cap over the center of the steering wheel and push downward until it "clicks" into place.

NOTE: The bolt securing the steering wheel has thread locker applied to it, so if it is removed, it is recommended that the bolt be replaced or thread lock re-applied.

Installing the Front Bumper (If necessary)

The hardware for attaching the front bumper is shipped installed into the bumper.

1. Remove the four hex screws from the bumper.
2. Position the bumper brackets to the *inside* of the tractor's frame and secure it in place with the four hex flange screws. See Figure 3-9.

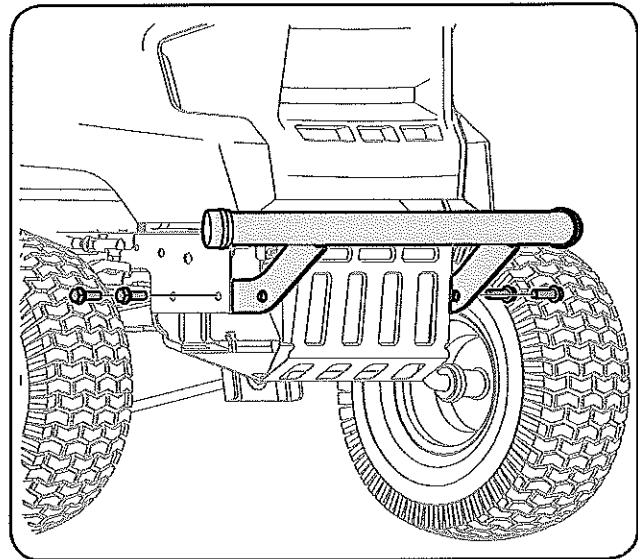


Figure 3-9

Adjusting the Seat

To adjust the position of the seat, lift the seat adjustment lever up. Slide the seat forward or rearward to the desired position; then release the adjustment lever. Make sure seat is locked into position before operating the tractor. See Figure 3-10.

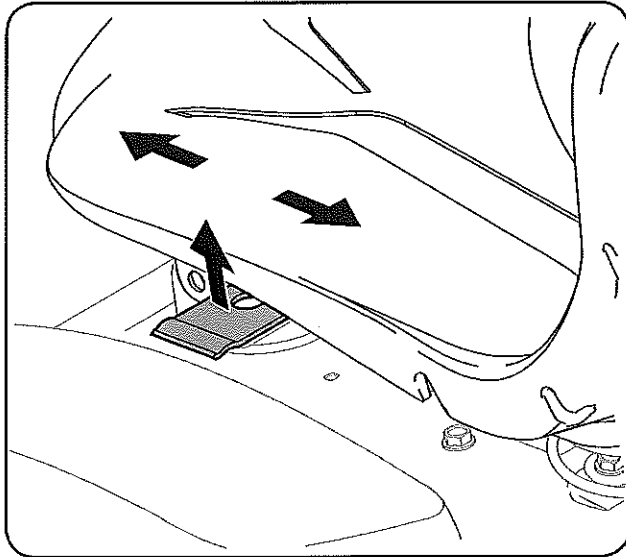


Figure 3-10

Connecting the Battery Cables



CALIFORNIA PROPOSITION 65 WARNING! Battery posts, terminals, and related accessories contain lead and lead compounds, chemicals known to the State of California to cause cancer and reproductive harm. Wash hands after handling.



CAUTION: When attaching battery cables, always connect the POSITIVE (Red) wire to its terminal first, followed by the NEGATIVE (Black) wire.

For shipping reasons, both battery cables on your equipment may have been left disconnected from the terminals at the factory. To connect the battery cables, proceed as follows:

NOTE: The positive battery terminal is marked Pos. (+). The negative battery terminal is marked Neg. (-).

NOTE: If the positive battery cable is already attached, skip ahead to step 2.

1. Remove the plastic cover, if present, from the positive battery terminal and attach the red cable to the positive battery terminal (+) with the bolt and hex nut. See Figure 3-11.

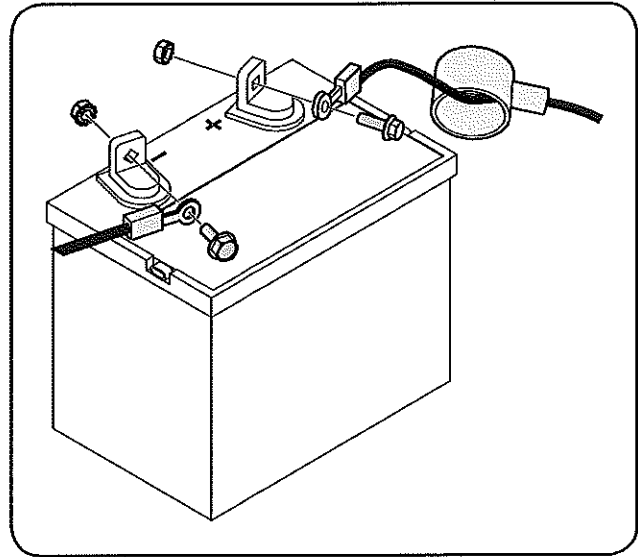


Figure 3-11

2. Remove the plastic cover, if present, from the negative battery terminal and attach the black cable to the negative battery terminal (-) with the bolt and hex nut. See Figure 3-11.
3. Position the red rubber boot over the positive battery terminal to help protect it from corrosion.

NOTE: If the battery is put into service after the date shown on top/side of battery, charge the battery as instructed in the Service section your Operator's Manual prior to operating the tractor.

Checking Tire Pressure



WARNING! Equal tire pressure should be maintained at all times. Refer to the tire sidewall for proper pressure.

The tires on your tractor may be over-inflated for shipping purposes. Reduce the tire pressure before operating the tractor. Check the sidewall of tire for maximum p.s.i.

NOTE: Equal tire pressure is critical for level cutting deck performance.

Setting the Deck Wheels



WARNING! Keep hands and feet away from the discharge opening of the cutting deck.

NOTE: The deck wheels are an anti-scalp feature of the deck and are not designed to support the weight of the cutting deck.

Move the tractor on a firm and level surface, preferably pavement, and proceed as follows:

1. Check the tire pressure, make sure the pressure is correct and equal on all tires.
2. Make sure the deck is level, both front-to-back and side-to-side. See the Maintenance & Adjustments section for deck leveling information and instructions.
3. Select the height position of the cutting deck by placing the deck lift lever in the normally desired mowing height setting.
4. Check the wheels for contact or excessive clearance with the surface below. The deck wheels should have between $\frac{1}{4}$ " and $\frac{1}{2}$ " clearance above the ground. Proceed as follows to adjust the wheels:
 - a. Raise the deck lift handle to its highest setting.
 - b. Remove the front and rear deck wheels by removing the flange lock nuts and shoulder bolts that secure them to the deck. See Figure 3-12.

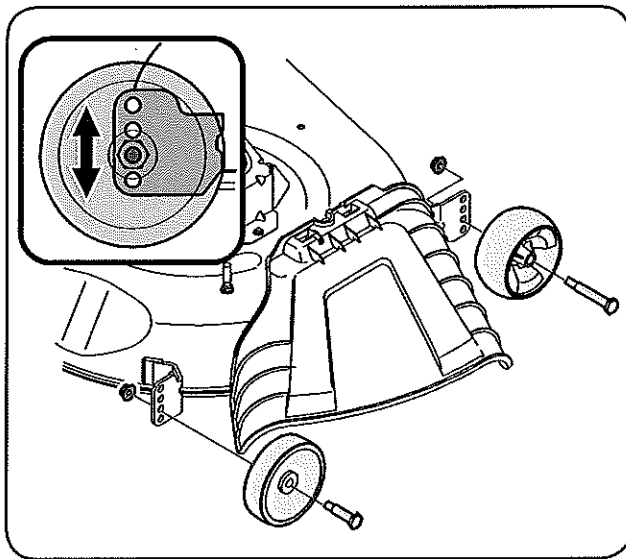


Figure 3-12

- c. Place the deck lift lever in the desired mowing height setting.
- d. Reinsert the shoulder bolt (with each deck wheel) into the index hole that leaves approximately $\frac{1}{2}$ -inch between the bottom of the wheel and the pavement. Tighten the flange lock nut and shoulder bolt to between 25-30 ft-lbs using a torque wrench.

NOTE: Refer to Adjusting the Deck in the Maintenance & Adjustments section of this manual for more detailed instructions regarding various deck adjustments.

Gas & Oil

The fuel tank is located at the outer/left of the dash and holds 2.5 gallons of gas. Remove the fuel cap by turning it counter-clockwise. Use only clean, fresh (no more than 30 days old), unleaded gasoline. Fill the tank no higher than the bottom of the fill neck to allow space for fuel expansion.



WARNING! Use extreme care when handling gasoline. Gasoline is extremely flammable and the vapors are explosive. Never fuel the machine indoors or while the engine is hot or running. Extinguish cigarettes, cigars, pipes and other sources of ignition.

NOTE: Your tractor is shipped with oil in the engine. However, you **MUST** check the oil level before operating. See the Service section for instructions on checking, adding and changing oil.



CAUTION: Always check the engine oil level before each use as instructed in the engine operator's manual. Add oil as necessary. Failure to do so may result in serious damage to your engine.