



# 170-DH and 190-DH Lawn Tractor

Model No. 74570—Serial No. 220000001 and Up

Model No. 74590—Serial No. 220000001 and Up

Form No. 3327-598

## Installation Instructions

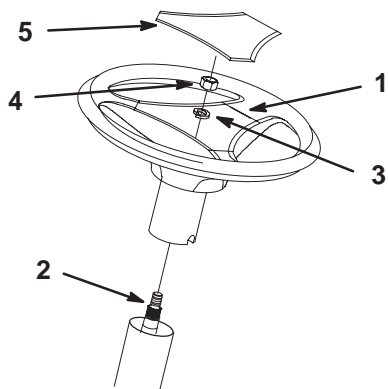
### Loose Parts

**Note:** Use the chart below to verify all parts have been shipped.

Description	Qty.	Use
Steering Wheel	1	Install the steering wheel.
Lock washer	1	
Nut	1	
Seat	1	Install the seat.
Bolt	2	
Flat Washer	2	
Spring Washer	2	
Trailer Hitch	1	Attach the trailer hitch.
Bolt	2	
Washer	2	
Nut	2	
Collector Cover	1	Assemble the grass collector.
Grass Collector—Partially Assembled	1	
Grass Bag	1	
Fastener Package	1	
Arrow Decal	1	
Key	2	Used in the ignition and Key Choice™ switch.
Operator's Manual	1	Read before operating tractor.
Engine Operator's Manual	1	

### Installing the Steering Wheel

1. Position the front wheels straight ahead.
2. Remove the logo cover by releasing the 3 latches from the back side with a screwdriver.
3. Line up the center spoke toward the seat and position the steering wheel onto the shaft spline (Fig. 1).
4. Secure the steering wheel with a lockwasher and nut (Fig. 1).
5. Torque the steering wheel nut to 50 ft-lb. (37 N·m).
6. Snap the logo cover into place (Fig. 1).



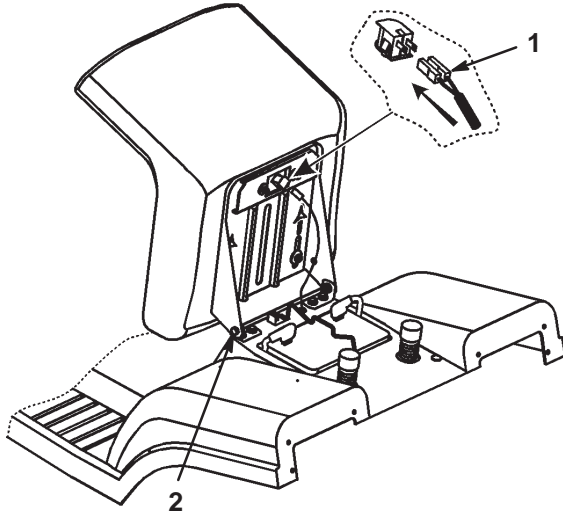
**Figure 1**

- |                 |               |
|-----------------|---------------|
| 1. Center spoke | 4. Nut        |
| 2. Shaft spline | 5. Logo cover |
| 3. Lock washer  |               |

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## Installing the Seat

1. Remove the plastic cover from the seat and discard it.
2. Loosen the two bolts on the tractor seat hinges.
3. Set the seat in place and secure it with the two bolts, spring washers, and flat washers (Fig. 2).
4. Connect the safety switch to the seat (Fig. 2).

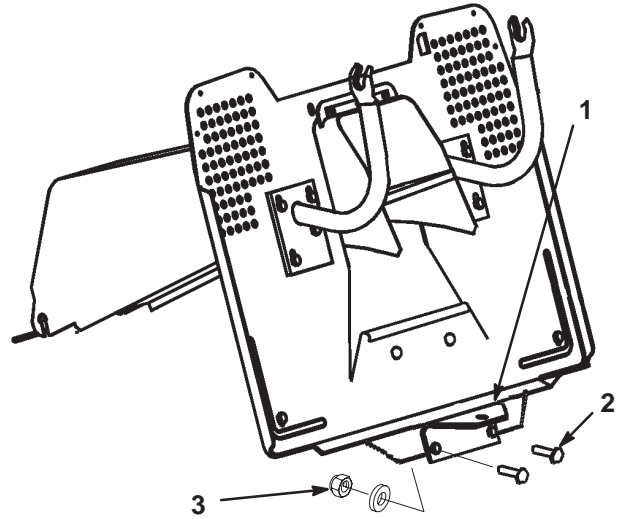


**Figure 2**

- |                  |                     |
|------------------|---------------------|
| 1. Safety switch | 2. Bolt and washers |
|------------------|---------------------|

## Attaching the Trailer Hitch

1. Line up the holes in the trailer hitch with the holes in the tractor frame.
2. Attach the hitch with two bolts, washers, and nuts (Fig. 3).

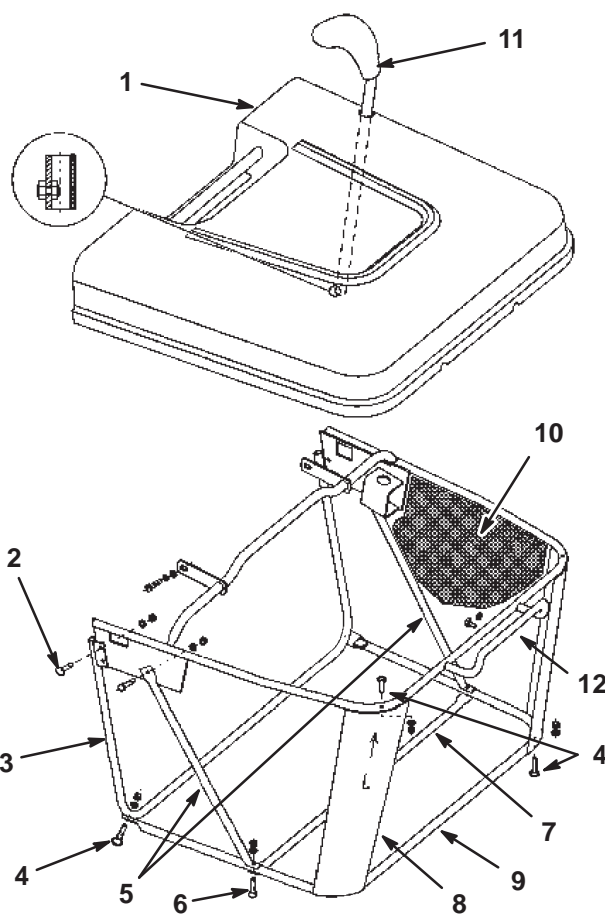


**Figure 3**

- |                  |                   |
|------------------|-------------------|
| 1. Trailer hitch | 3. Washer and nut |
| 2. Bolt          |                   |

## Assembling the Grass Collector

1. Tilt the front tube of the partially assembled collector. Align the upper holes with the holes on the upper tube. Loosely fasten the tubes together with the upper bolts (Fig. 4).
2. Place the collector on the rear tractor supports (refer to the Operator's Manual, Installing the Grass Collector) and align the collector frame with the tractor fenders. Tighten the upper bolts (Fig. 4).
3. Stretch the bag and put it over the rear handle (Fig. 4).
4. Insert the bottom tube into the bag (Fig. 4).



**Figure 4**

- |                            |                    |
|----------------------------|--------------------|
| 1. Cover                   | 7. Lower brace     |
| 2. Upper bolts             | 8. Corner supports |
| 3. Front tube              | 9. Bottom tube     |
| 4. M5 bolts and nuts       | 10. Bag            |
| 5. Left and right supports | 11. Dumping lever  |
| 6. Screws                  | 12. Rear handle    |
- Insert the corner supports under the top tube. Fasten the corner supports to the top and bottom tubes using the M5 bolts and nuts from under the collector cover (Fig. 4).
  - Fasten the bottom tube to the front tube with M5 bolts and nuts (Fig. 4).
  - Tilt the left and right supports rearward. Place the lower brace on the outside of the bag and secure it to the left and right supports with the screws (Fig. 4).
  - Place the cover on the grass collector. Align the cover with the rear fender by adjusting the rear tractor supports until there is a proper seal between the cover and the collector. Tighten the rear tractor support bolts.
  - Remove the grass collector from the tractor. Tighten all screws securely.
  - Use the plastic extrusions on the bag edges to fix the bag to the frame tube.

- Insert the dumping lever through the hole of the cover and secure it with the M5 x 12 screw and M5 nut (inside the tube) (Fig. 4).
- Install the grass collector to the tractor (refer to the Operator's Manual, Installing the Grass Collector). When the grass collector is properly positioned, place the triangle symbol decal directly opposite the triangle symbol on the rear of the tractor.

## Checking the Oil Level

The tractor is shipped from the factory with oil in the engine crankcase; however, it may be necessary to add oil. Refer to the Operator's Manual, Engine Oil Specifications for oil type, viscosity, and crankcase capacity. Add only enough oil to raise the level to the "FULL" mark on the dipstick.

## Activating the Battery

- Remove the battery from the tractor; refer to the Operator's Manual, Removing the Battery.
- Remove the filler caps from the top of the battery.



### Danger



Battery electrolyte contains sulfuric acid which is a deadly poison if consumed, and it causes severe burns.

- Do not drink electrolyte and avoid contact with skin, eyes or clothing. Wear safety glasses to shield your eyes and rubber gloves to protect your hands.
- Fill the battery where clean water is always available for flushing the skin.
- Follow all instructions and comply with all safety messages on the electrolyte container.

- Slowly pour electrolyte into each cell until the level is up to the lower part of the tube.
- Leave the filler caps off and connect a 3 to 4 amp battery charger to the battery posts. Charge the battery at a rate of 2 amperes or less for 4 hours (12 volts). Do not overcharge the battery. Install the filler caps after the battery is fully charged.



### Warning



Charging the battery produces gasses that can explode.

Never smoke near the battery and keep sparks and flames away from the battery.

5. Install the battery in the chassis; refer to the Operator's Manual, Installing the Battery.

## **Filling the Fuel Tank**

Add fuel to the fuel tank; refer to Filling the Fuel Tank in the Operator's Manual.

## **Checking the Tire Pressure**

Check front and rear tires for proper inflation; refer to the Operator's Manual, Tire Pressure for recommended inflation pressure.

## **Lubrication**

Make sure all of the necessary points on the tractor are lubricated; refer to Greasing and Lubrication in the Operator's Manual.

## **Inserting the Keys into the Ignition and Key Choice™ Switches**

The Key Choice switch is located on the right side of seat bracket below the seat.

## **Checking the Safety System**

Refer to the Operator's Manual, Testing the Safety System.

## **Test Driving the Tractor**

Make sure all electrical and mechanical systems are operating properly. See the Operator's Manual for proper control function.