

# SET-UP INSTRUCTIONS & PRE-OPERATION CHECKLIST for SNAPPER SCRAMBLERS

The following instructions cover the set-up of SNAPPER SCRAMBLERS. Complete each of the following steps carefully. Review and complete each item as instructed on the Pre-Operation checklist. The Snapper Product Registration card must be filled out and sent to Customer Service department at Snapper when completed.

**WARNING**  
Wear heavy leather gloves when handling or working around cutting blades. Blades are extremely sharp and can cause severe injury.

## MOWING DECK

### 1. Cutting Blade

- A. Check torque of blade mounting bolts. Torque to:
  - 33" Deck - 30 to 40 ft. lbs.
  - 38" Deck - 80 to 90 ft. lbs.
  - 42" Deck - 30 to 40 ft. lbs.
  - 48" Deck - 60 to 70 ft. lbs.
- B. Check blade straightness per operator's manual supplied with machine.
- C. After completing blade check, carefully lower SCRAMBLER to floor to continue set-up.

## BATTERY

Electrolyte required for dry batteries must be purchased locally. Pay close attention to the precautionary statements on the battery and in these instructions. All batteries require a slow charge before being placed into service.

**WARNING**  
DO NOT attempt to charge battery while installed on the Zero Turning Radius machine. DO NOT use "BOOST" chargers on the battery.

### 1. BATTERY REMOVAL

- A. Tilt seat up to gain access to battery.
- B. Observe and note cable positions on battery. See Figure 1.
- C. Disconnect cables from battery terminals, disconnecting BLACK (Negative) cable first. Retain mounting bolts and nuts.
- D. Slide battery from battery cradle.

### 2. BATTERY ACTIVATION

**NOTE:** The electrolyte (acid) for the battery is not supplied with the mower and must be purchased separately.

- A. Place battery in a well ventilated area on a level surface.
- B. Remove battery cell caps. Fill cells as required with electrolyte to between minimum and maximum fill line as viewed from outside battery case. Filling battery with electrolyte will bring the battery to 80% charged state.

- C. With all cell caps removed, connect an automotive type battery charger to battery terminals; RED to positive (+) and BLACK to negative (-) terminal.
- D. Slow charge at 1 to 2 amps for 2 hours.
- E. After charging, check level of electrolyte, add electrolyte if necessary, and tighten cell caps.

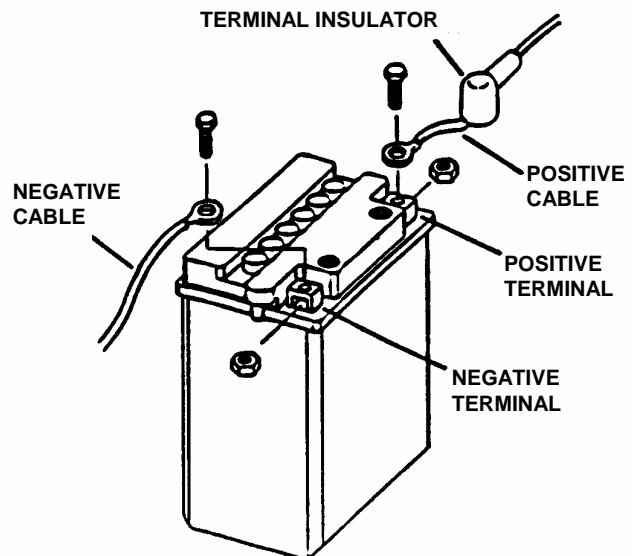
**WARNING**  
DO NOT OVERFILL!

**NOTE:** 3/16" above cell plates is the recommended level. Never place anything in battery other than specified electrolyte.

**WARNING**  
Shield the positive terminal with terminal cover located on battery harness. This prevents metal from touching the positive terminal, which could cause sparks. Cables must be connected to battery terminals in the proper position.

### 3. BATTERY INSTALLATION

- A. Tilt seat up to gain access to battery cradle.
- B. Slide battery into battery cradle.
- C. Connect cables to battery terminals. Connect RED (Positive) cable first. Connect BLACK (Negative) cable.
- D. Place the positive (+) terminal insulator over positive terminal and cable. See Figure 1.



(Installation Continued on Next Page)

FIGURE 1

### 3. BATTERY INSTALLATION (Continued from Previous Page)

E. Connect over flow tube and route as shown in Figure 2.

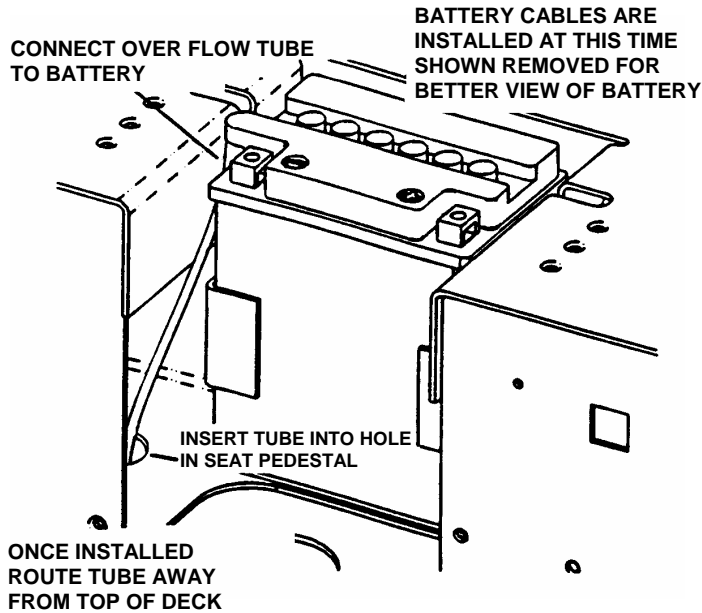


FIGURE 2

#### DISCHARGE DEFLECTOR

A. The discharge deflector on 33", 42" & 48" Models are shipped in the "UP" position. Remove rubber band, lower discharge deflector and secure to deck with carriage bolt(s), flat washer(s) and wing nut(s) furnished with the deck. See Figure 3. NOTE: 38" Models are shipped with discharge deflector removed. Follow instructions to install deflector.

1. **IMPORTANT:** Deflector spring is under tension, be careful when removing. Remove carriage bolt and nut that secures pivot rod to the deck. Pivot rod contains deflector spring. Mounting rod should not be removed from deck.
2. Insert pivot rod partially into deflector hinge, slide spring onto rod with straight leg on top, then insert rod through other hinge and then into mounting rod. Insert hooked end of spring into deck. See Figure 3.
3. Secure pivot rod to deck using carriage bolt and nut. Tighten securely. See Figure 3.

#### ELECTRICAL CIRCUIT

The electrical connection at the engine is shipped disconnected to protect the electrical system when the battery is installed and **MUST BE THE LAST STEP** in preparation.

- A. Connect electrical circuit at rear of the engine. See Figure 4.

#### LUBRICATION and FUEL

##### 1. Engine

A. Perform normal engine service, oil and fuel, according to engine manufacturer's recommendations found in the Engine Owner's Manual.

#### PRE-OPERATION CHECK

Complete all items on the Pre-Operation Checklist as instructed.

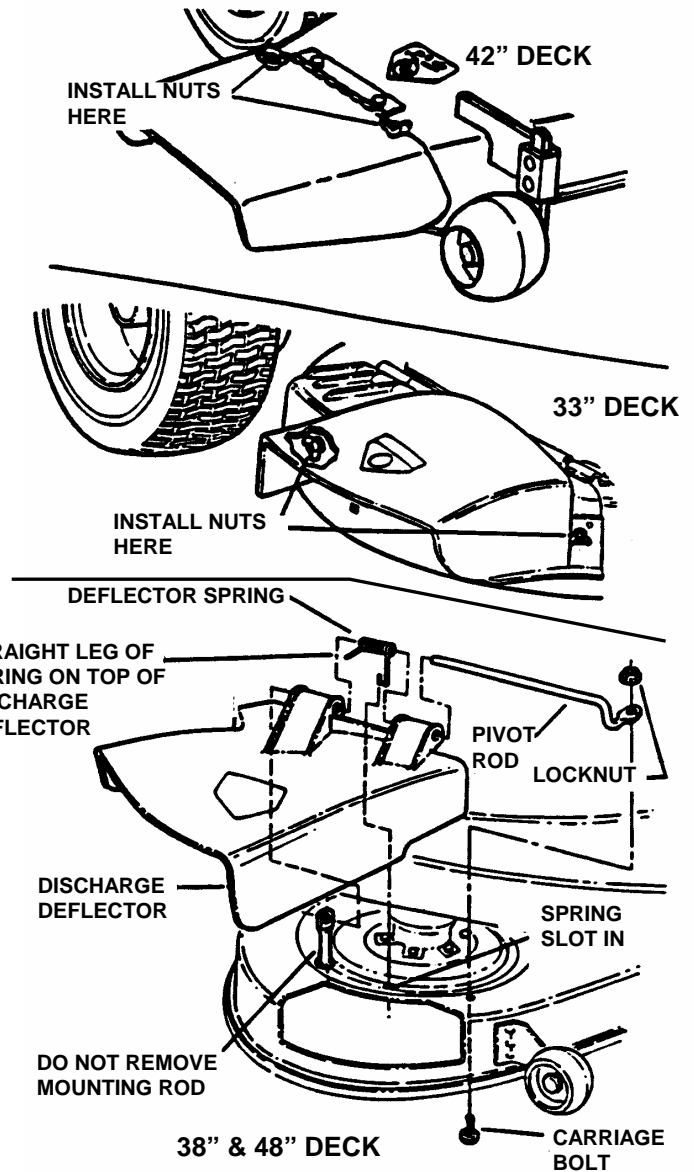


FIGURE 3

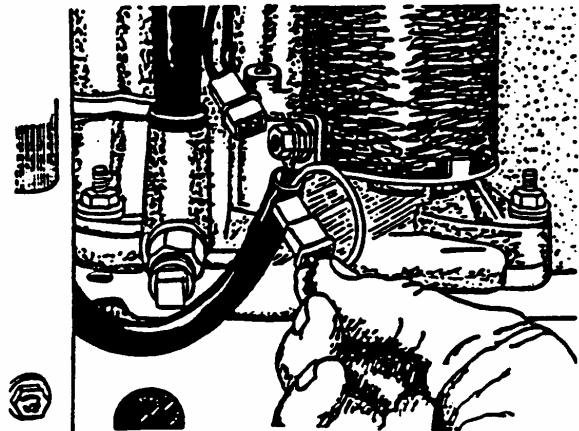


FIGURE 4

## TRACKING ADJUSTMENTS (SZT UNITS ONLY)

When both motion control levers are fully engaged in forward drive, the machine should move in a straight line. If the machine tracks (veers) left or right, a tracking adjustment must be made. Each motion control lever is equipped with a tracking adjustment plate. See Figure 5. Moving the plate forward or backward adjusts the machine's tracking:

1. If mower tracks to the left, loosen the two torx screws on the left adjustment plate, slide plate forward approximately 1/8", and retighten screws. (If plate is already as far forward as it can go, loosen the right plate and slide back 1/8".) Check machine tracking and repeat as needed.
2. If mower tracks to the right, loosen the two torx screws on the right adjustment plate, slide plate forward approximately 1/8", and retighten screws. (If plate is already as far forward as it can go, loosen the left plate and slide back 1/8".) Check machine tracking and repeat as needed.
3. In cases of severe tracking, one plate may need to be moved fully back and the other moved fully forward.

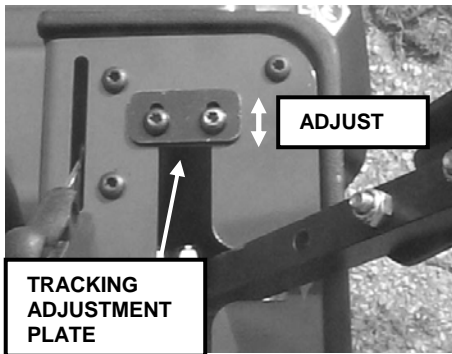


FIGURE 5

# PRE-OPERATION CHECKLIST

Snapper has completed initial adjustments and performed operational tests prior to shipping the machine. Due to the possible effects of shipping, handling and storage, Snapper intends for all of the following items to be verified and necessary final adjustments made at time of setup. It remains good practice and is strongly recommended that all the items also be checked prior to placing the machine into service. It is very important that setup is verified and all operational tests completed and results are acceptable. After completing this form, sign and retain for future reference.

## CUTTING BLADE & MOWER

- BLADE RETAINING hardware checked for proper tightness. Check alignment.
- BLADE TIP CLEARANCE inside lower edge of mower checked and corrected as needed.
- MOWER CUTTING HEIGHT settings checked and adjusted as needed (with tires properly inflated).
- MOWER SIDE TO SIDE level checked and adjusted as needed (with tires properly inflated).
- MOWER FRONT TO REAR setting checked and adjusted as needed (with tires properly inflated).
- DISCHARGE DEFLECTOR positioned, secured and tightened into place.

## PRE-START CHECKS & SERVICES

- TIRES checked and inflated to correct pressures. Both Front and Rear are 12 psi.
- ENGINE OIL level checked. Refer to Engine Owner's Manual for proper oil specifications
- FUEL added to tank and system checked for leaks. Refer to Engine Owner's Manual for fuel specifications.
- BATTERY (Not overfilled!) activated and charged per battery instructions
- BATTERY reinstalled and properly connected with red boot over positive terminal.
- LUBRICATION of entire unit completed.

## OPERATIONAL TESTS

- CHECK SEAT SWITCH for proper function
- INTERLOCK SYSTEMS checked to insure proper functioning.
- ENGINE STARTED and throttle control settings checked.
- ALL OPERATIONS as listed on console checked.
- IGNITION SWITCH checked to insure engine stops when turned to OFF position.
- PARKING BRAKE tested to insure proper operation.
- PARKING BRAKE SWITCH checked to insure proper operation and function.
- BLADE ENGAGEMENT SWITCH tested for operation and function for engagement and disengagement of blade.
- BLADE BRAKE function verified. Blade rotation stops in 5 seconds or less.
- TRACKING adjustments made to insure mower drives in a straight line.

## CONSUMER INFORMATION

SALE DATE \_\_\_\_\_ MODEL \_\_\_\_\_ SERIAL NO. \_\_\_\_\_

Retailer's Name \_\_\_\_\_ Signature \_\_\_\_\_

Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

MACHINE WILL BE USED COMMERCIALY? YES \_\_\_\_\_ NO \_\_\_\_\_

Purchaser's Name \_\_\_\_\_ Signature \_\_\_\_\_

Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

**IMPORTANT: This form is to be retained for future reference regarding Warranty, proof of purchase, traceability for product recall or service, etc. Complete the SNAPPER Product Registration Card immediately and mail to: Customer Service Department at SNAPPER, P.O. BOX 1379, McDonough, Georgia, 30253.**