

**LITTLE WONDER®**



**#80001**

# **SHREDDER KIT INSTALLATION AND OPERATING INSTRUCTIONS**

**February, 2003**

## **Intended Use:**

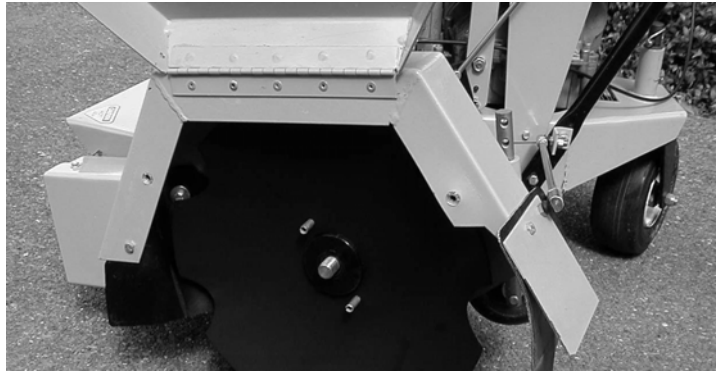
The shredder kit is intended to be mounted on a walk-behind model 900 BedShaper™ for the purpose of shredding the strip of soil or sod that is cut by the BedShaper™ disc blade. The kit is not intended to mulch the strip of soil but rather, shred the strip up for accelerated composting or clean up.

## **Kit Contents:**

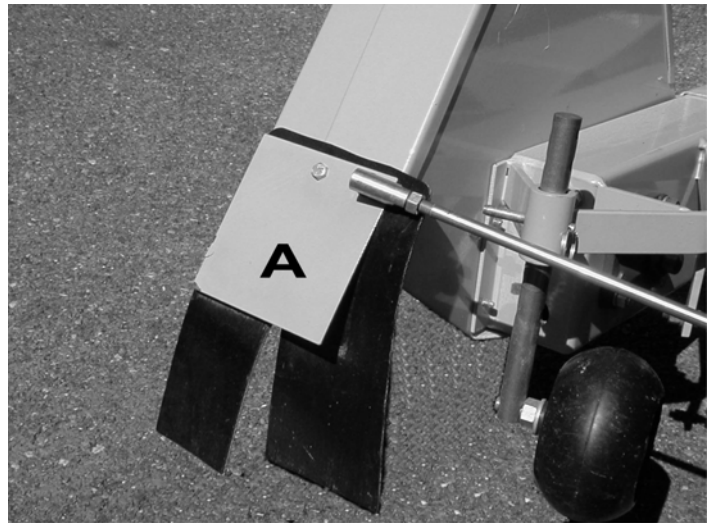
- |  |                                   |
|--|-----------------------------------|
| 1 - Blade Hub – 18029                                      | 1 - Blade Scraper – Rear - 18462  |
| 1 – ¾” bi-directional self locking nut                     | 1 - ¼” X ¾” hex head cap screw    |
| 2 - 3/8” X 1 ½” roll pins<br>(may be needed on some units) | 1 - ¼” flat washer                |
| 4 - Tines – 21062  | 1 - ¼” lock washer                |
| 8 - 5/16” X 1” carriage bolt                               | 1 - ¼” hex nut                    |
| 8 - 5/16” flat washer                                      | 1 - Blade Shield, large - 21055   |
| 8 - 5/16” lock-nut   | 5 - #64 pop rivets                |
| 1 - Mud Flap Stiffener - 21061                             | 2 - 5/16” X 3” hex head cap screw |
| 1 - Mud Flap, Front - 21063                                | 2 - 5/16” star washer             |
| 1 – ¼” X ¾” hex head cap screw                             | 2 - 5/16” flat washer             |
| 2 – ¼” fender washer                                       | 1 - Blade Scraper, outer - 21064  |
| 1 – ¼” self-locking nut                                    | 2 - 5/16” X 1” hex head cap screw |
| 1 – ¼” X ¾” self tapping screw                             | 4 - 5/16 flat washer              |
| 1 - Dust Shield - 18465                                    | 2 - 5/16” lock washer             |
|  | 2 - 5/16” hex nut                 |

## Installation:

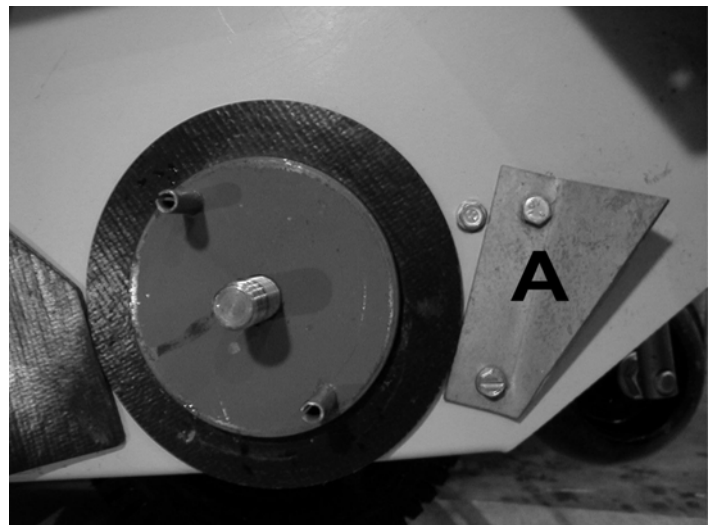
1. Remove and discard (2) 5/16" X 3/4" flanged cap screws holding blade cover closed



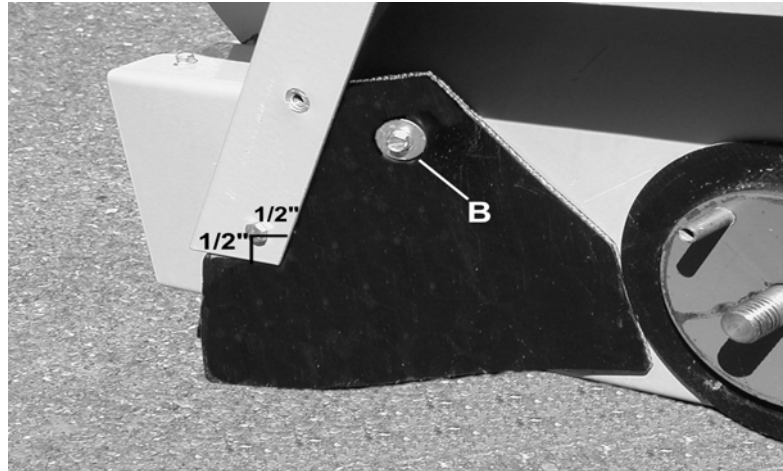
2. With a 3/16" drill bit, drill out (5) rivets holding blade cover on, and remove old blade cover and the scraper mounted to it.
3. Disconnect support rod from the factory mud flap clamp, and remove factory mud flap clamp. Install mud flap stiffener plate(A) over mud flap, and secure with original hardware and support rod.



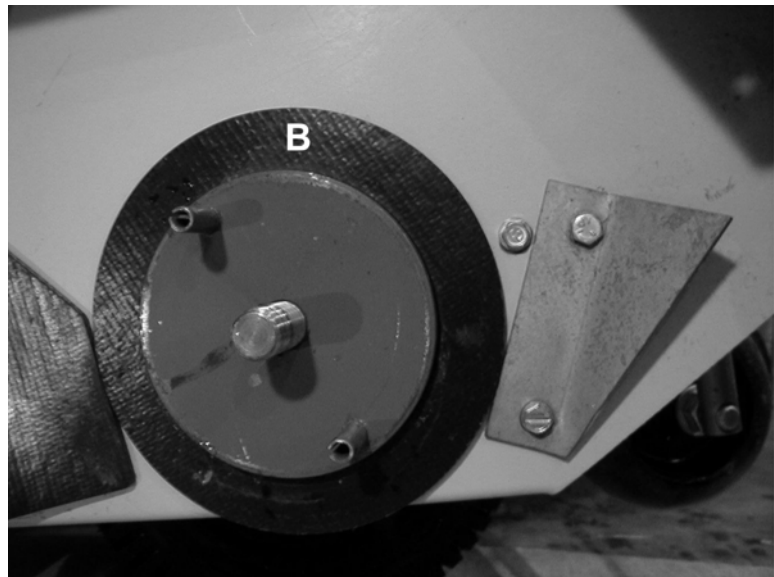
4. Remove 1/4" X 1/2" self-tapping screw. Mount rear blade scraper (A) with new 1/4" X 3/4" self-tapping screw. Rotate top of new scraper to just clear upper 1/4" X 1/2" self-tapping screw. Mark upper scraper mounting hole, and drill mounting hole with a 9/32" bit. Mount upper scraper with 1/4" X 3/4" hex head cap screw, lock washer and hex nut.



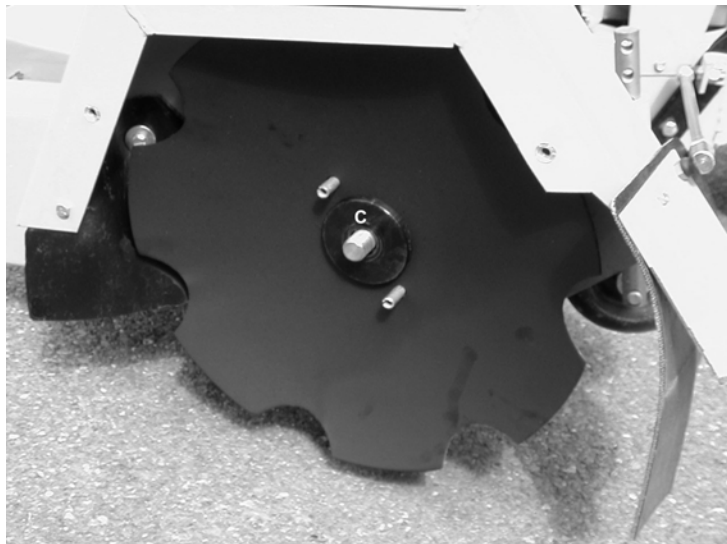
5. Drill a 9/32" hole as shown in front shield, 1/2" up from lower edge of shield and 1/2" forward of rear edge of shield.
6. Mount front mud flap with 1/4" X 3/4" hex head cap screw, 1/4" fender washer, and 1/4" self-locking nut.
7. Push front mud flap fully against inner portion of shield and mark shield for location of remaining hole in mud flap. Mud flap must be pressed fully against shield to allow disc blade to clear the mud flap when disc blade is reinstalled in a later step.
8. Drill a 7/32" hole at mark on shield. Secure rear portion of mud flap (B) with a 1/4" X 3/4" self-tapping hex screw and 1/4" fender washer.



9. Loosely reinstall disc blade to verify clearance to front mud flap exists. Remove disc blade.
10. Install dust shield (B) over blade drive hub.

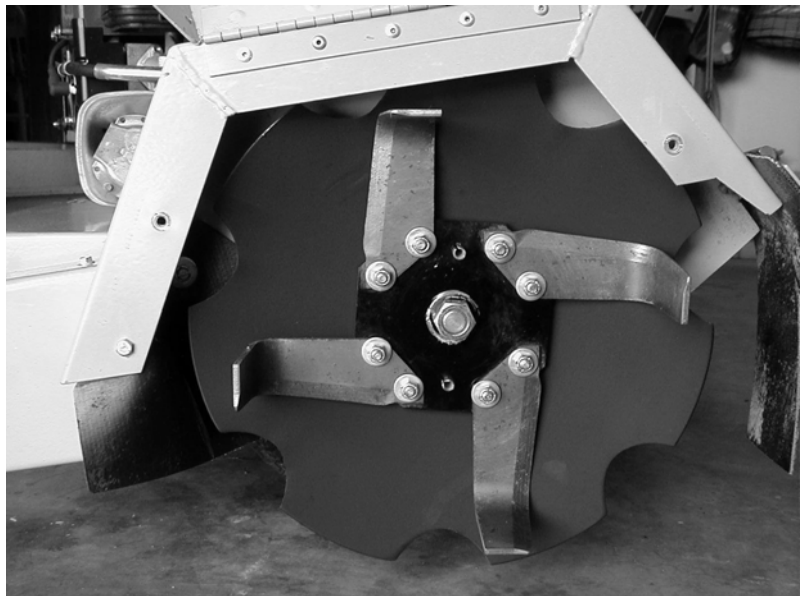


11. Reinstall disc blade, followed by the factory 3” washer (C).

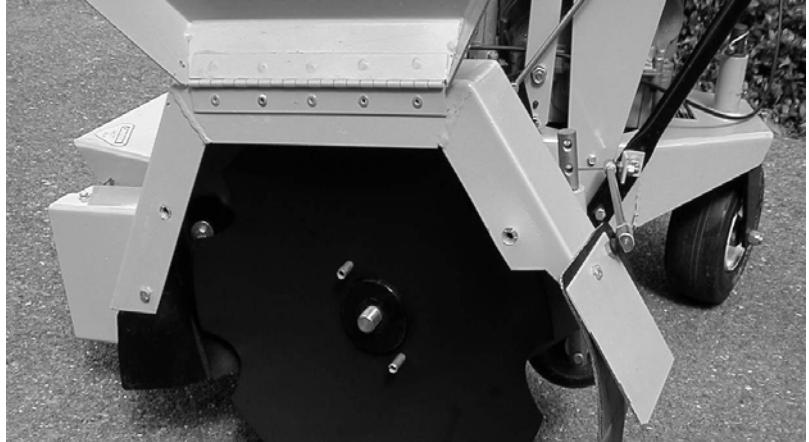


12. Assemble (4) shredder tines to blade hub using (8) 5/16” X 1” carriage bolts, flat washers, and lock nuts.

13. Install blade and hub assembly onto blade shaft, and secure with new 3/4” bi-directional self-locking nut. Apply several drops of light lubricating oil to the threads of the blade shaft. Failure to lubricate threads will permanently damage blade shaft. Tighten nut to 125 ft.- lbs. Verify that roll pins extend fully into the blade and hub assembly. Some units were built with 1” long roll pins that will be too short. Two 1 1/2” roll pins are included in the kit and may or may not need to be used.



14. Install new blade cover with (5) rivets.



14. Close and secure blade cover with (2) 5/16" X 3" hex head cap screws, star washers, and flat washers.



16. If shredding is not desired, remove shredder hub and blade assembly, and install long scraper with (2) 5/16" X 1" hex head cap screws, (4) flat washers, lock washers and hex nuts to scrape the blade.

## **OPERATING INSTRUCTIONS:**

1. Follow all safety precautions in the operator's manual.
2. Safety glasses must be worn when operating machine.
3. Operate machine as outlined in the operator's manual.
4. For best results, cut a narrow band of soil / sod.
5. The shredder kit will perform best when operated in lighter or sandy soils. There are conditions ie: heavy clay or heavy lumous soils where the shredder's performance will be unacceptable and the kit must be temporarily removed. Moisture conditions will greatly affect the performance of the kit. These conditions are evidenced by plugging of the blade cover and or significant machine pulsations from the blades trying to cut through the heavy soil or sod.
6. Operating the machine in conditions where plugging is occurring will damage the blade drive belts.
6. Be sure to use a new ¾" lock nut and lubricate the threads of the blade shaft each time the shredder blade and hub assembly is reinstalled or blade shaft damage will occur.
7. blade and hub assembly is reinstalled or blade shaft damage will occur.
8. Slower the operating ground speed to allow for more thorough shredding and good performance.

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