

INSTALLATION INSTRUCTIONS FOR BRAKE KIT #256116 FOR ATV 2500/3000 WINCH

1. Remove winch tie bolts.

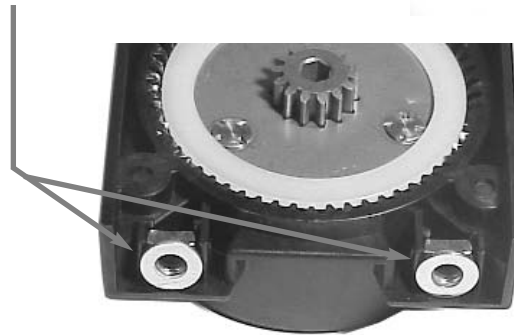


2. Remove Motor End Gear Assembly from drum.



3. Remove End Bearing Retaining bolts.

4. Remove Cable Deflector and End Bearing.
Note position of winch mounting nuts and washers and retain them for re-installation.

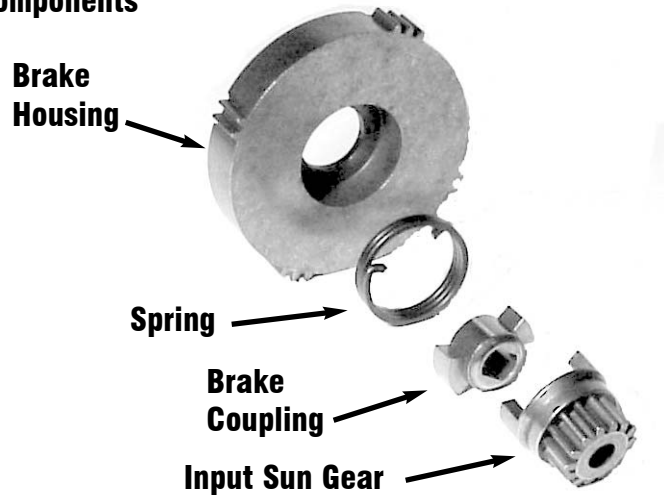


5. Remove Thrust Washer and Carrier Assembly from Motor End Ring Gear.

6. Remove Input Sun Gear from Motor Shaft and discard.

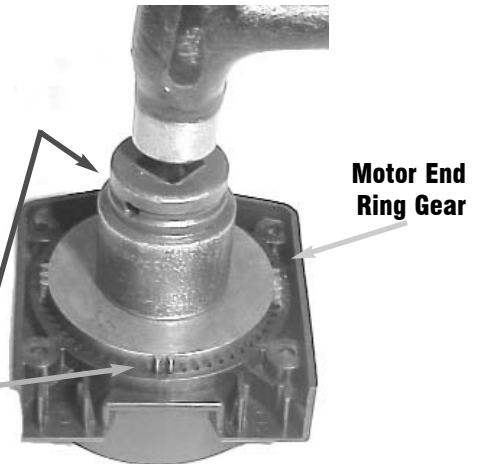


Brake Kit #256116 Components



- Slide Brake Housing into Motor End Ring Gear. If necessary, use a hammer and a large socket or short length of tubing, to drive the Brake Housing square into the Motor End Ring Gear. The Brake Housing should slide all the way into the Ring Gear.

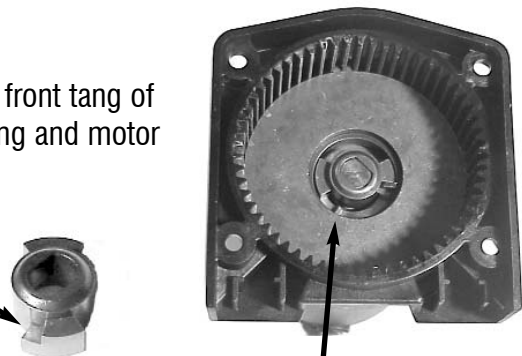
Note: The Brake Housing must be oriented with large bore up and so that the pair of two gear teeth are at the top and bottom of the Motor End, as shown in the picture at right.



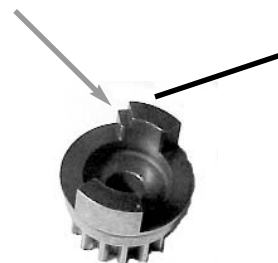
- Insert Spring into center of Brake Housing as shown. It should rest against the back of the housing.



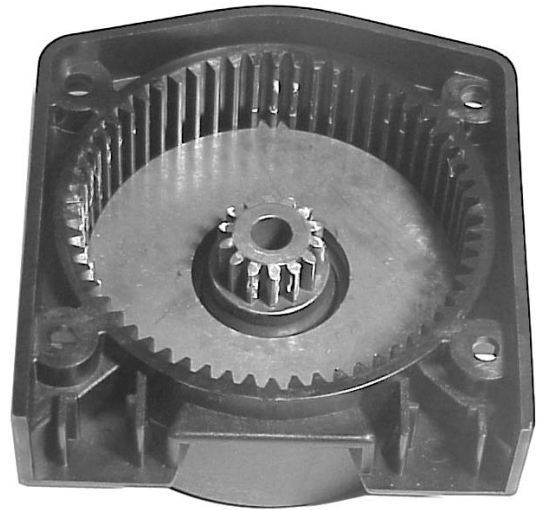
- Insert Brake Coupling over motor shaft, as shown at right. The front tang of the spring should fit in the step in the coupling. Turn the coupling and motor shaft by hand slightly as needed to properly align the coupling with the tang.



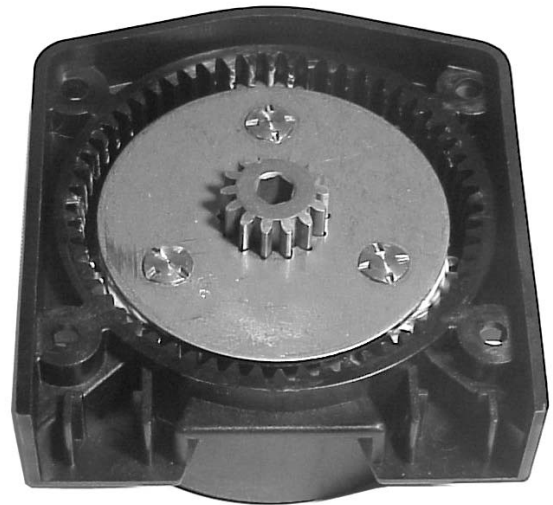
- Insert the Input Sun Gear into the assembly as shown at right. The step on the gear should fit in the back tang of the spring.



With the Sun Gear installed, the assembly should look like the figure at right.



11. Re-install Carrier Assembly to Motor End Ring Gear. Twist the Carrier Assembly until the three gears fit into the Input Sun Gear underneath. When this happens, the Carrier Assembly will slide down into the Ring Gear.



12. Re-install Thrust Washer to Ring Gear. There should be a little clearance between the Thrust Washer and the top of the gear in the Ring Gear.

If there is no clearance, the Brake Housing may not have been driven to the bottom of the Ring Gear. Remove the Thrust Washer and Carrier Assembly and gently drive the Brake Housing further down, as in step 7.



13. Re-install Cable Deflector and End Bearing, **making sure winch mounting nuts and washers are in proper position.**

14. Replace End Bearing Retaining bolts. Tighten to 45-50 in-lbs. torque.
15. Re-install Motor End Gear Assembly to drum.
16. Replace winch tie bolts. Tighten to 45-50 in-lbs. torque.

Warranty Information

Ramsey Winches are designed and built to exacting specifications. Care and skill go into every winch we make. If the need should arise, warranty procedure is outlined on the back of your self-addressed, postage paid warranty card. Please read and fill out the enclosed warranty card and send it to Ramsey Winch Company. If you have any problems with your winch, please follow instructions for prompt service on all warranty claims.

Limited Lifetime Warranty

Ramsey Winch offers a limited lifetime warranty for each new Ramsey ATV winch against manufacturing defects in workmanship and materials on all manufactured components.

Warranty registration cards for each winch must be submitted at the time of purchase, or within 90 days. Online registration of your winch is available at www.ramsey.com.

New cable assemblies are warranted against defects in workmanship and materials. No warranty applies after initial use.

All Ramsey mounting kits and other accessories carry a 1- year limited warranty against defects in materials and workmanship.

This warranty is void if winch is used in commercial/industrial applications other than front mount self recovery.

Electrical components consisting of motors, solenoids, wiring, wire connectors, and associated parts carry a limited 1-year warranty.

The obligation under this warranty, statutory or otherwise, is limited to the replacement or repair at the manufacturers factory, or at a point designated by the manufacturer, of such part as shall appear to the manufacturer, upon inspection of such part, to have been defective in material or workmanship. This Warranty does not obligate Ramsey Winch Company to bear the cost of transportation charges in connection with the replacement or repair of defective parts, nor shall it apply to a product upon which repairs or alterations have been made, unless authorized by the manufacturer, or for equipment misused, neglected, or improperly installed.

Important notice: To the fullest extent permitted by applicable law, the following are hereby excluded and disclaimed:

- 1. All warranties of fitness for a particular purpose;**
- 2. All warranties of merchantability;**
- 3. All claims for consequential or incidental damages.**

There are no warranties that extend beyond the description that appears on the face hereof.

Some states do not allow the above exclusions or disclaimers in consumer transactions and as such this disclaimer/exclusion may not apply to your particular case.

To the extent such warranties of fitness for a particular purpose or merchantability are deemed to apply to this product, they exist only for so long as the express limited warranty elsewhere set forth is in existence.

Ramsey Winch Company makes no warranty in respect to accessories, same being subject to the warranties of their respective manufacturers.

Ramsey Winch Company, whose policy is one of continuous product improvement, reserves the right to improve any product through changes in design or materials as it may deem desirable without being obligated to incorporate such changes in products of previous manufacture.

If field service at the request of the buyer is rendered and the fault is found not to be with Ramsey Winch Company's product, the buyer shall pay the time and expense of the field representative. Bills for service, labor or other expenses which have been incurred by the buyer without express approval or authorization by Ramsey Winch Company will not be accepted.

This Warranty gives you specific legal rights and you may also have other legal rights which vary from state to state.



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