FORM NO. 3310-789

TORO®

MODEL: 26-7240

INSTALLATION INSTRUCTIONS

UPDATE KIT

FOR GROUNDSMASTER 72® SNOW BLOWER MODEL 30748

LOOSE PARTS

Description	Qty.	Part No.	Use
Sprocket and Shear Plate	1	26-8100	Install Countershaft Drive Instructions
Shear Bolt 1/4-20 x 3/4 lg.	1	321-4	
Lock Nut 1/4-20	1	3296-42	
Pillow Block	2	26-8090	
Bearing Bracket	1	26-8080	
Cap Screw 3/8-16 x 3/4 lg.	4	323-4	
Cap Screw 3/8-16 x 1-1/4 lg.	2	323-7	
Flat Washer 13/32 I.D.	2	3256-4	
Lock Washer 3/8"	6	3253-21	
Nut 3/8-16	4	3217-7	
Set Screw 3/8-16 x 3 lg. Sq. Hd.	2	3243-12	
Large Rotor Sprocket	1	26-8650	Install Rotor Sprocket and Chain Instructions
Roller Chain	1	26-7440	
Connector Link	1	287-11	
Retainer Washer	1	3290-394	Install Retainer Washer and Cross Shaft Shear Bolt Instructions
Cap Screw 5/16-18 x 3/4 lg.	1	322-3	
Lock Nut 5/16-18	1	3296-29	
Reinforcement Plate	1	26-8660	Install Reinforcement Plate, Shields, and Decal Instructions
PTO Shield	1	26-8690	
Decal	1	26-7320	
Shrink Tube	4	——	Install Connector Insulation and 20A Fuse Instructions
20A Fuse	1	218-273	
Wire Insulating Nut	2	——	

REMOVE SNOW BLOWER FROM GROUNDSMASTER

1. Lower the snow blower completely.

2. Push 2 x 4's or similar blocks between left push arm and the frame.

WARNING

The push arm is spring loaded to approximately 150 lb of tension, so be sure that blocking does not accidentally slip from between push arm and frame. If push arm happens to release, personal injury could result.

3. Remove snow blower from Groundsmaster traction unit. Remember to disconnect discharge chute control wires.

REMOVE OBSOLETED PARTS FROM SNOW BLOWER

1. Remove 24-8180 chain shield, 24-8170 PTO shield, and 24-8270 cross shaft shield.

Note: Do not use 24-8170 PTO shield again because it will be replaced by a new shield which is included in this update kit.

2. Remove roller chain from rotor shaft sprocket. Also remove large sprocket from rotor shaft.

Note: The key and set screw from obsoleted sprocket will be used when new sprocket is installed.

3. Remove 24-8300 bearing bracket; then remove 24-8310 pivot bracket from bearing bracket. Next, slide 251-265 bearings and 24-8130 shear plate and sprocket off 24-8120 countershaft. Separate bearings from pillow blocks; but keep the bearings and discard the pillow blocks.

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PRICE $1.00

INSTALL COUNTERSHAFT DRIVE

1. Slide new 26-8100 shear plate and sprocket assembly onto nonsplined end of countershaft. Secure parts together with 321-4 shear bolt and 3296-42 lock nut (Fig. 1).

2. Insert the original bearings into two new 26-8090 pillow blocks (Fig. 1).

3. Slide countershaft through first bearing; then slide two lock collars onto shaft and continue to push shaft through the other bearing (Fig. 1). Do not tighten lock collars and set screws. Shaft must be loose.

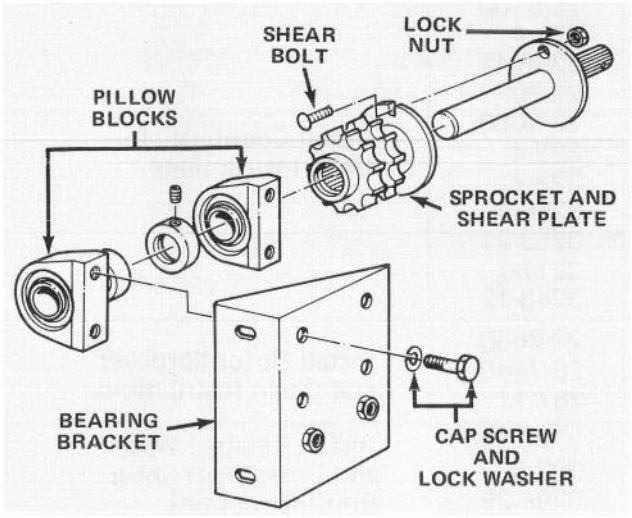


Figure 1

4. Mount countershaft and pillow block assembly against 26-8080 bearing bracket with four, 323-4 cap screws and 3253-21 lock washers (Fig. 1).

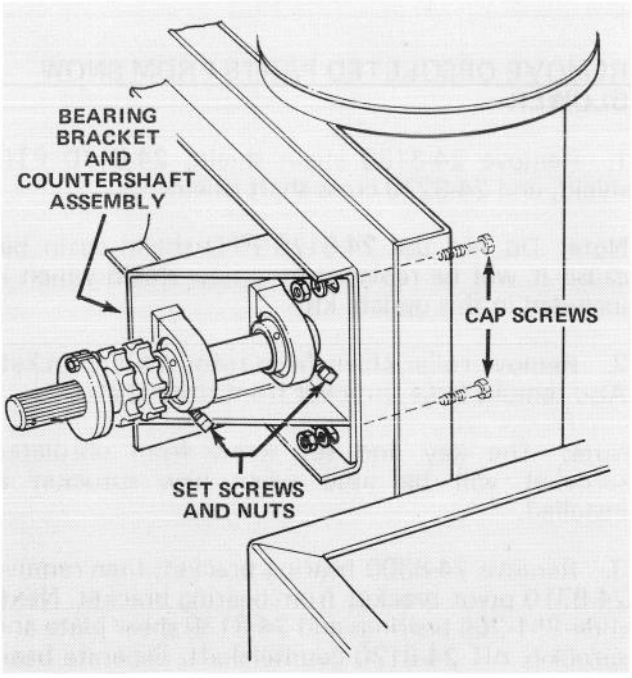


Figure 2

5. Install bearing bracket and countershaft parts against gear case mounting bracket with two new 323-7 cap screws, 3256-4 flat washers, 3253-21 lock washers, and 3217-7 nuts (Fig. 2). Tighten nuts snugly enough to hold bearing bracket in place. Bearing bracket must slide back and forth.

6. Thread a new 3217-7 nut completely onto both new 3243-12 set screws; then start set screws into bearing bracket (Fig. 2).

INSTALL ROTOR SPROCKET AND CHAIN

1. Install original key into rotor shaft keyway. Slide new 26-8650 large rotor sprocket onto rotor shaft until hub is flush with end of shaft (Fig. 3). Secure sprocket in place with set screw from obsoleted rotor sprocket.

2. Align countershaft sprocket with rotor shaft sprocket, and install new 26-7440 double roller chain with the 287-11 connector link (Fig. 3).

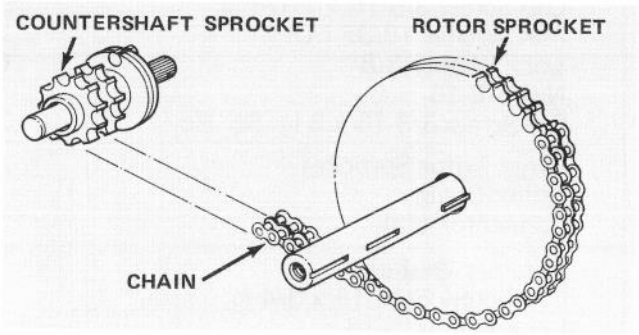


Figure 3

3. Tighten both set screws in bearing bracket until they contact gear case mounting bracket. While maintaining alignment of rotor sprocket and countershaft sprocket, tighten set screws alternately and in gradual increments until roller chain is tight. Tighten nuts on set screws against bearing bracket.

4. Secure bearing bracket against gear case mounting bracket by tightening the two lock nuts and cap screws (Fig. 2).

5. Lay a straight edge from face of rotor sprocket to face of countershaft sprocket. Move countershaft to obtain correct alignment. When alignment is correct, tighten both bearing lock collars in normal direction of shaft rotation. Also tighten set screws in lock collars.

INSTALL RETAINER WASHER AND CROSS SHAFT SHEAR BOLT

1. Install 3290-394 retainer washer onto gear end of 24-8400 cross shaft. Drive retainer against face of the 24-8440 gear.

2. Remove carriage bolt and lock nut securing 24-8390 auger drive sprocket to cross shaft. Enlarge hole in cross shaft plate, using an 11/32 inch drill. Secure auger drive sprocket to cross shaft plate with new 322-3 cap screw and 3296-29 lock nut.

INSTALL REINFORCEMENT PLATE, SHIELDS, AND DECAL

1. Install new 26-8660 reinforcement plate on inside of 25-7840 left hand mounting bracket, using the original fasteners.

2. Install original 24-8270 cross shaft shield, new 26-8690 PTO shield, and original 24-8180 chain shield.

3. Afix 26-7320 decal onto top center of cross shaft shield. Chain must be lubricated with #10 oil after every use of the snow blower.

INSTALL CONNECTOR INSULATION AND 20A FUSE

1. Mount snow blower onto Groundsmaster traction unit.

2. Remove one wire from steering column switch that controls discharge chute on snow blower. Slide a piece of shrink tube onto connector and heat it with a match until it shrinks onto the connector. Reinstall connector onto switch terminal. Install shrink tube onto remaining connectors.

3. Splice new 20A fuse into "hot" wire running from ammeter to steering column switch that controls discharge chute. Use the two wire insulating nuts to secure ends of wires and fuse.

4. Check discharge chute operation. If chute does not operate, check all wires for proper connection.

NOTES

IDENTIFICATION AND ORDERING

MODEL AND SERIAL NUMBERS

The snow blower has two identification numbers: a model number and a serial number. The two numbers are stamped on a decal (Fig. 4) which is located on left rear of auger housing. In any correspondence concerning the snow blower, supply model and serial numbers to assure that correct information and replacement parts are obtained.

To order replacement parts from an Authorized TORO Distributor, supply the following information:

1. Model and serial numbers of the snow blower.

2. Part number, description, and quantity of part(s) desired.

Note: Do not order by reference number if a parts catalog is being used; use the PART NUMBER.

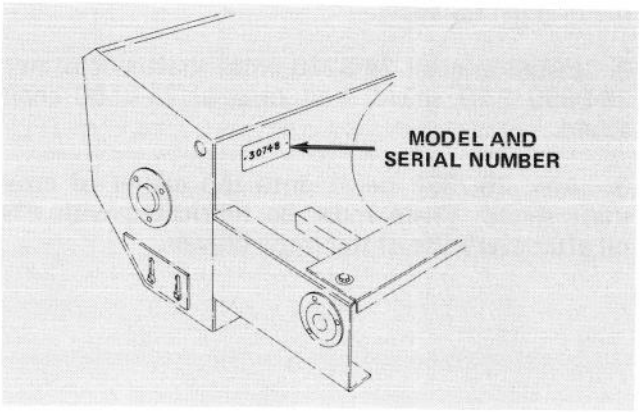


Figure 4

Keep Your TORO All Toro Genuine TORO PARTS & ACCESSORIES ***Insist on Genuine Toro Parts***

THE TORO PROMISE

It is Toro's policy to design and produce TORO products to provide our customers with a high level of performance and durability in normal operation. Our products, however, are produced in high volume, and it is inevitable that occasionally a unit will reach a customer with a defect in materials or workmanship which causes the unit to fall below the normal high level of TORO performance. Invariably, such a defect will be noticed in an institutional product within one year after purchase. Recognizing this possibility, Toro has established a simple guarantee policy and procedure that is intended to assure customer satisfaction. This guarantee statement is as follows:

The Toro Promise

The Toro Company promises to repair any TORO Product if defective in materials or workmanship. The following periods from the date of purchase apply:

Institutional Products . . . . . 1 year

The costs of parts and labor are included, but the customer pays the transportation costs. Just return any institutional product to a TORO Distributor.

Should the customer feel that a product is defective and wish to rely on The Toro Promise, the following procedure is recommended:

1. Contact any TORO Distributor, but preferably the distributor from whom you purchased the product.
2. Bring the product and your original sales slip, or other evidence of purchase date, to the distributor.
3. The servicing distributor will inspect the unit, advise you whether the product is defective and, if so, make all repairs necessary to correct the defect without extra charge to the customer.

If for any reason the customer is dissatisfied with the distributor's analysis of the defect or the service he performs, he can contact us. Write:

TORO "Customer Care" Department
8111 Lyndale Avenue South
Minneapolis, Minnesota 55420

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