International Harvester

Operator's Manual

No. 46 Baler

Operator's Manual

IH-O-46 BLR

TABLE OF CONTENTS

INTRODUCTION

OPERATION

Preparing your baler for work

Operation of your baler

CARE OF YOUR BALER

FINDING TROUBLE

STORAGE, SPECIAL EQUIPMENT, SPECIFICATIONS

A-29764

GET ACQUAINTED WITH THE Safety Devices THAT PROTECT YOUR BALER

Your baler is equipped with safety devices to protect it from damage resulting from obstruction or overloads. Acquaint yourself with these devices before operating your baler.

SHEAR BOLTS

NOTE: The shear bolts used in the flywheel, needle, and packer fingers as a safety device are identical. They are 5/16NF x 2" long hex-hd. cap screws (type 2) with nuts and lock washers. Regular bolts (type 1) are too soft and shear too easily. Special bolts (type 3) are too hard and won't shear easily enough to prevent damage to the machine.

When replacing the shear bolt in the flywheel, needle or packer fingers, always duplicate the original bolt by obtaining one from your IH dealer. When replacing shear bolts, see that they are securely tightened and checked regularly for tightness. See Illust. 12A.

A-45359

Illust. 12A – Shear bolts must have this marking to be the correct hardness.

Flywheel Shear Bolt

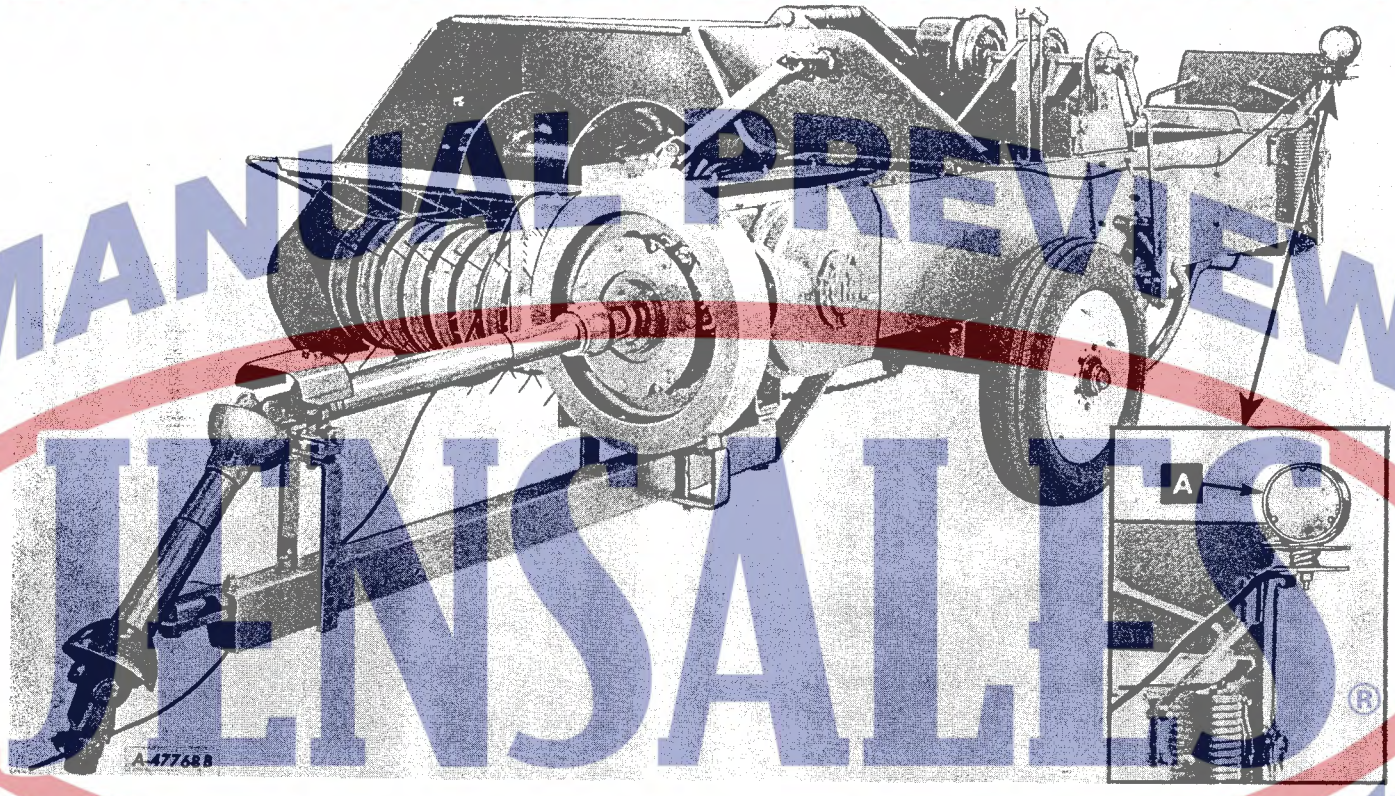
The purpose of the shear bolt (Illust. 12B) is to protect the baler against damage from stones or other materials picked up accidentally.

The shear bolt makes a loud noise when it shears. This is your warning to stop the tractor immediately and determine the cause of the shearing. See the "Trouble Finding Chart" for possible causes. When the cause of shearing has been determined and eliminated, replace the shear bolt as follows:

1. Knock out the remaining pieces of sheared bolt, if any, from the shear bolt bushings. The flywheel hub may be rotated to a convenient location by inserting the new shear bolt in the flywheel and turning the flywheel by hand until the bolt engages the side of the hub shear plate.

2. Check the shear bolt bushings to see that they are tight.

Illust. 12B – The flywheel shear bolt is located in the flywheel at the front of the bale chamber.



Illust. 50A

SAFETY LIGHTING

When transporting your baler at night, be sure that your baler is equipped with the safety light "A" and "Scotchlite" reflective material "B" as shown in Illusts. 50A and 50B.

Illust. 50B

HYDRAULIC BALE DENSITY CONTROL

See Illust. 51A.

The hydraulic bale density control automatically controls the density of the bales being formed in the bale chamber.

This is obtained by the variation of penetration of the floating star wheel under spring tension. When the bales are tight, the star wheel cannot penetrate as deeply as normal; this causes the wheel to raise allowing the hydraulic jack to release fluid until the neutral position is reached. When the bales are loose, the star wheel penetrates deeper, changing the valve setting, and thereby causing the pump to force fluid to the hydraulic jack to bring the density of the bales back to normal. Normal baling variations are controlled by a constant pumping and releasing of fluid at neutral position. To obtain the desired density of the bale, tighten or loosen the spring adjusting nut. To increase the density, turn the spring adjusting nut clockwise; to decrease, turn the nut counterclockwise. **NOTE:** When starting to bale with an empty bale chamber, the spring adjusting nut must be left loose and brought down as tension builds up in the bale chamber.