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Vermeer
Operator's Manual

605C Baler

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VER-O-605C RB

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Agricultural Products Division

MANUAL PREVIEW

605C Baler

Owner's Manual

105400-A20



VERMEER

Vermeer Manufacturing Company

Pella, Iowa 50219

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WHEN ORDERING PARTS ALWAYS SPECIFY UNIT SERIAL NUMBER

605C SERVICE & MAINTENANCE SECTION

Vermeer Manufacturing Company has introduced a new concept of baling hay in the agricultural field. Since this is a new concept, we will try in this Service and Maintenance Manual to explain in detail how the 605C Baler is constructed and how to properly maintain and service the machine so that you may expect long life and good service from your Vermeer Baler. This manual should be helpful to the owner, operator and servicemen of the Vermeer Baler.

A thorough working knowledge of the machine is the first requirement toward a good maintenance and service program. In drawings 1, 2 and 3 we show exactly what happens when the Vermeer Baler is put to work.

The hay is picked up at Ref. A and fed between the rollers (Ref. B). The lower rollers bring the hay back to Ref. C. Since the series of 4" belts, which operate around the upper rollers meet the bottom roller, the hay is stopped at Ref. C. As indicated by the arrows, the direction of travel of the bottom rollers and belts, with the help of the bale starter (Ref. D), causes the hay to start a rolling action when it is stopped at Ref. C. This is the start of the bale.

DRAWING 1



Arrows denote direction of belt travel.

605C BALER CONSTRUCTION - ADJUSTMENTS & MAINTENANCE (CONT.)

VII. BEARINGS

- A. Two types of bearings are used on the 605C Baler. Flange and Cartridge. See parts section for bearing number. On all of the drive rollers, which are driven by the chain and sprocket, a flange-type bearing is used. This is a self-aligning bearing. When installing a flange bearing on the shaft, be sure the shaft is clean and free of burrs and nicks. Then slide bearing on shaft and if it is a snug fit, tap on inner race with hammer or wood block. Do not hit on outside of bearing when installing on shaft.

After the bearing is properly installed on the shaft, bolt the bearing in position. Do not tighten one bolt tight and then tighten the others. This could cause the flange to break. Always tighten bolts evenly on both the 2-bolt or 4-bolt flange bearing.

After the flange bolts are securely fastened, tighten the Allen set screws found in the bearing collar.

B. Roller and Bearing Assembly



- | | |
|-----------------|---------------------------|
| 1. Roller | 4. Bearing Locking Collar |
| 2. Roller Shaft | 5. Roller Support |
| 3. Bearing | 6. Roll Pin |

605C LUBRICATION INSTRUCTIONS (CONT.)

WHEEL BEARINGS

At the end of each haying season, the wheel bearings on the baler should be checked for lubrication and/or adjustment.

Use the following procedure for checking wheel bearings:

1. Jack up the baler until wheel is off the ground.
2. Remove dust cap.
3. Remove cotter key, castellated nut and washer.
4. Remove outer bearing and inspect lubricant.

If a generous amount of grease is on the bearing and in the housing, and if the grease is soft, the grease will not need changing.

If the lubricant is caked and the bearings seem dry, the bearings should be washed to remove old grease.

To repack the bearings, the wheel must be pulled and the inner bearing and seal must be removed. If the seal is damaged, it must be replaced.

The cone bearings and the housing should be washed with a solvent and wiped clean. When repacking the bearings, be sure the grease is worked into the roller retainers to allow the entire bearing to be filled with grease.

When readjusting the wheel bearings, tighten the castellated nut until a drag is felt when turning the wheel. Loosen the nut until the wheel spins freely. A very slight amount of side play is advisable to allow for heat expansion, especially if the unit is towed at high speed.

DRIVE CHAINS

The drive chains must be kept well lubricated with a spray-type lubricant especially made for use on open chain drives. Check these chains every 2-4 hours of use.

At the end of the haying season, the chains should be removed and washed in solvent. Then, using a clean cloth, wipe off the chains. Lubricate the chains and replace them on the unit.