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MANUAL PREVIEW

**International
Harvester
Operator's Manual
Farmall A, AV, B & BN
International A
Special Attachments**

Operator's Manual

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OWNER'S MANUAL

SPECIAL ATTACHMENTS

FARMALL



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This manual contains information which will be valuable to you during the entire life of your tractor. It includes installing, operating and maintenance information. Rely on your manual for the information it contains . . . and rely on your International Harvester dealer when in need of skilled mechanical service or genuine IHC service parts.

INTERNATIONAL HARVESTER COMPANY

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CHICAGO 1, ILLINOIS, U.S.A.

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Note: All the above attachments can be applied on all tractors unless otherwise specified.

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BELT PULLEY AND STANDARDIZED POWER TAKE-OFF ATTACHMENTS



**One of the many uses for the Power Take-Off Attachments.
Mowing hay with a direct-connected Mower.**

The belt pulley and power take-off may be had as a unit attachment. The power take-off or belt pulley can also be supplied separately.

The belt pulley attachment supplies ready and economical power for operating numerous types of equipment. Pulleys are available in $6\frac{1}{2}$, $7\frac{1}{2}$, $8\frac{1}{2}$, $9\frac{1}{2}$ or $10\frac{1}{2}$ -inch diameter. The $8\frac{1}{2}$ -inch pulley is the one commonly used. (See *optional pulleys on page 5.*)

The power take-off attachment extends the dependable power of the engine to many types of operating equipment used in connection with the tractor.



Shelling corn with a Farmall-A equipped with belt pulley attachment.

BELT PULLEY AND STANDARDIZED POWER TAKE-OFF ATTACHMENTS—Continued

INSTRUCTIONS FOR ASSEMBLING BELT PULLEY—Continued

(3) Remove power take-off shifter tube and replace it on drive shaft of new belt pulley attachment.

(4) Insert belt pulley attachment, using two of the four removed cap screws as guides. Before inserting very far, engage the operating lever throw-out pin in the grooved sleeve of the shifter tube assembly; then push the belt pulley attachment into position, and tighten up the four bolts previously removed.

(5) Screw in the slotted pipe plug, thus setting the engaging and disengaging poppet.

(6) **Note:** If tractor is equipped with transmission case 8846 D, it will not be necessary to fill belt pulley housing with lubricant, as it is automatically lubricated from the transmission case.

If tractor is equipped with transmission case 8105 D, pour $\frac{1}{2}$ pint approved transmission lubricant (as specified in the Owner's Manual supplied with the tractor) into belt pulley housing.

INSTRUCTIONS FOR ASSEMBLING BELT PULLEY

(Attachment 60602 D) (*See Illust. 1*)

- (1) Drain the transmission case at "A".
- (2) Remove the rear transmission case cover plate.
- (3) Remove nuts from the power take-off housing bolts.
- (4) Assemble the gasket to the power take-off housing.
- (5) Assemble the complete attachment on the rear of transmission case and tighten all the bolts securely.
- (6) Refill the transmission case with lubricant.
- (7) Transmission case capacity is 5 quarts (U.S.) when these attachments are used.

(8) See the manual which was furnished with your tractor for location of transmission filler and level plugs, and for specifications of Approved Lubricant.

INSTRUCTIONS FOR ASSEMBLING BELT PULLEY

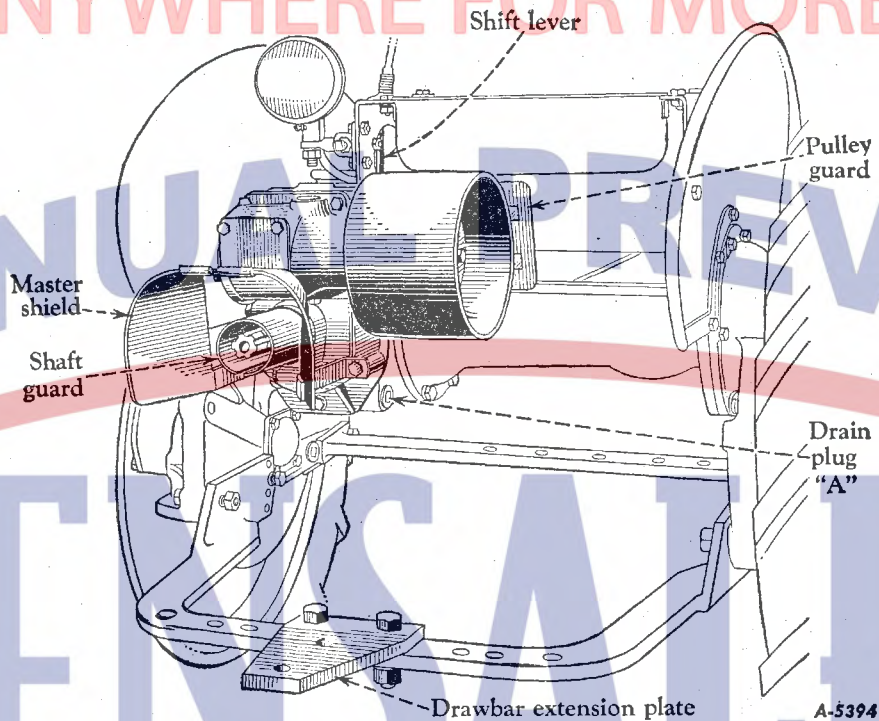
(Attachment 60604 D) (*See Illust. 4*)

- (1) Remove the master shield and power take-off cover and gasket.
- (2) Replace the spacer on the drive shaft with the new bevel gear. (It may be necessary to remove the entire drive shaft assembly to drive bevel gear on to the drive shaft without injury to the bearing).

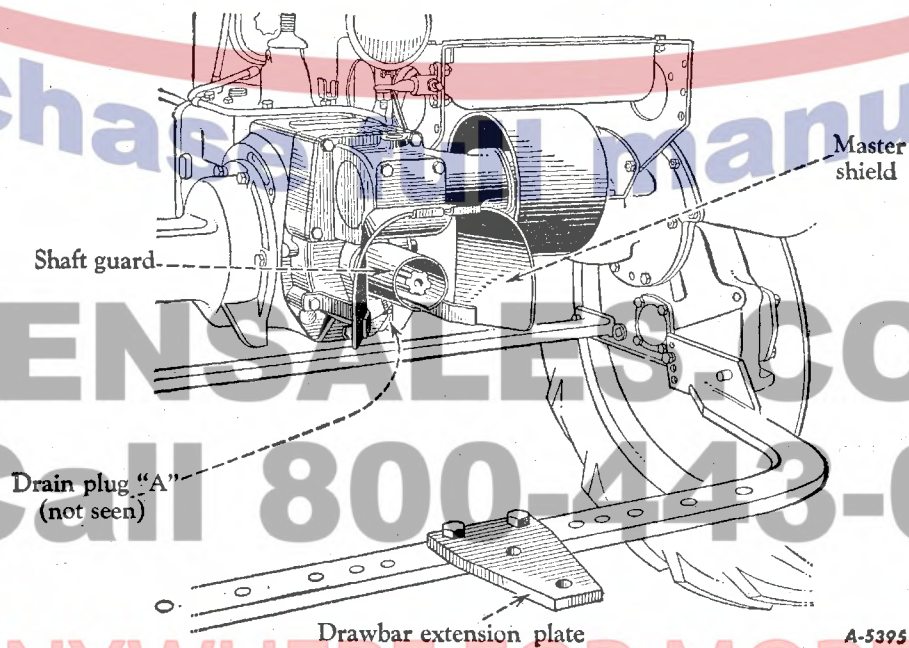
(3) Assemble belt pulley assembly in place using sufficient shims to obtain the proper back-lash between the bevel gears.

(4) **Note:** We recommend that your International Harvester dealer make the installation of the Belt Pulley Attachment 60604 D because improper bevel gear back-lash will result in excessive gear noise and rapid wear of the parts.

BELT PULLEY AND STANDARDIZED POWER TAKE-OFF ATTACHMENTS—Continued



Illust. 1—Belt Pulley and Power Take-Off Attachment with Drawbar Extension Plate assembled on Farmall-A.



Illust. 2—Belt Pulley and Power Take-Off Attachment with Drawbar Extension Plate assembled on Farmall-B.

BELT PULLEY AND STANDARDIZED POWER TAKE-OFF ATTACHMENTS—Continued

ADDITIONAL INFORMATION AND PRECAUTIONS

(1) It is not necessary to fill the belt pulley housing with lubricant as it is automatically lubricated from the transmission case.

(2) The power take-off shaft speed is 540 R.P.M.; belt pulley speed is 1156 R.P.M.; belt speed with an 8½-inch diameter pulley is 2573 feet per minute.

(3) When the belt pulley attachment is not in use the pulley can be removed and the exposed shaft covered with spacer and pulley shaft guard.

(4) When the power take-off shaft is not in use, it should be covered with the power take-off shaft guard.

(5) If you desire to use the tractor with the belt pulley attachment temporarily removed, the shims should be left in place and the power take-off cover installed. When reassembling the belt pulley attachment be sure these shims are in place as the size and number of these shims will change the tooth contact of the gears. See your International Harvester dealer if adjustment for tooth contact becomes necessary.

(6) **Note:** Static electricity generated by belt work on tractors equipped with pneumatic tires can be discharged harmlessly by attaching a chain to the tractor and letting it touch the ground.

OPERATING BELT PULLEY

The gearshift lever must be in neutral position when operating belt pulley.

Throttle down engine to low idle speed; disengage clutch and move power take-off shift lever back until shafts are in mesh, then slowly engage clutch.

OPERATING POWER TAKE-OFF

To Operate Power Take-Off with Tractor in Motion

Throttle down engine to low idle speed; disengage the engine clutch and move power take-off shift lever back until shafts are in mesh, shift transmission gears to the speed that is desired to run the tractor, then slowly engage engine clutch. The power take-off is started and stopped by the same engine clutch as the tractor. Therefore, be sure to disengage engine clutch before moving the power take-off shift lever.

To Operate Power Take-Off with Tractor Standing Still

The gear shift lever must be in neutral position.

Throttle down engine to low idle speed; disengage the engine clutch and move power take-off shift lever back until shafts are in mesh, then slowly engage engine clutch.

BELT PULLEY AND STANDARDIZED POWER TAKE-OFF ATTACHMENTS—Continued

INSTRUCTIONS FOR ASSEMBLING STANDARDIZED POWER TAKE-OFF

(Conversion Package 66191 D)

It is recommended that your International Harvester dealer make the installation of the new power take-off shaft in this package.

Drawbar extension plate should be installed *as shown in Illusts. 1 and 2.*

SWINGING DRAWBAR ATTACHMENT

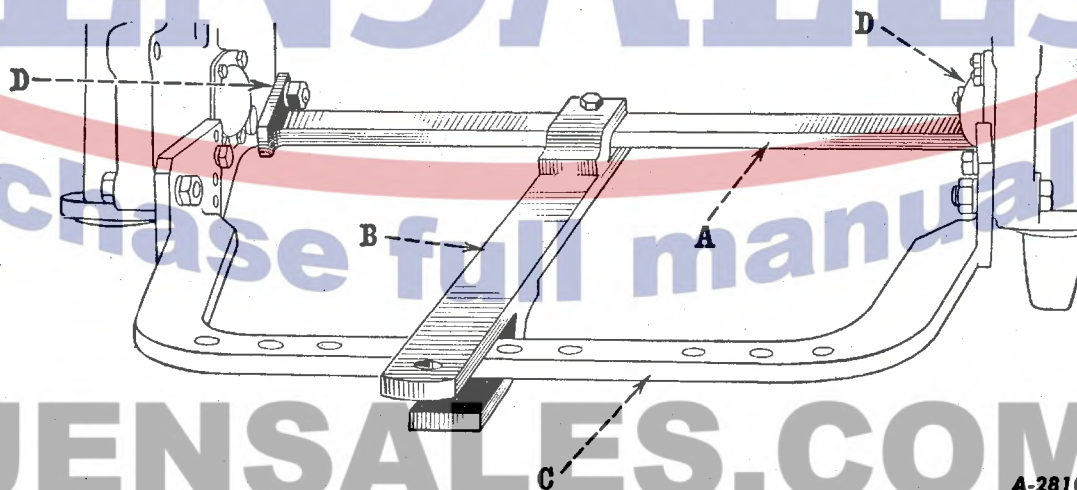
43919 DA—For Farmall-A and International-A Tractors.

57892 D —For Farmall-AV Tractors only.

52989 DA—For Farmall-B Tractors only.

58849 D —For Farmall-BN Tractors only.

The swinging drawbar makes short turns possible when pulling trailing implements.



Illust. 6

View Showing Swinging Drawbar Attachment Assembled on Tractor.

INSTALLATION (See Illust. 6)

(1) Attach drawbar anchor bar "A" to rear axle housings and assemble swinging drawbar "B" on old drawbar "C".

(2) **Caution:** Before attaching anchor bar "A", be sure washers are in place at "D" to be used as shims between the rear axle housing and anchor bar.