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MANUAL PREVIEW

Ford

Operator's Manual

Dearborn

11-59, 11-60

& 11-61 Series D

Tandem Disc Harrow

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Operator's Manual

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**LIFT
TYPE**

DEARBORN

TANDEM DISC HARROW



MODELS 11-59, 11-60 and 11-61 — SERIES D

MANUAL PREVIEW

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ASSEMBLY and OPERATING

Instructions

DEARBORN MOTORS CORPORATION — DETROIT 3, MICHIGAN

DESCRIPTION

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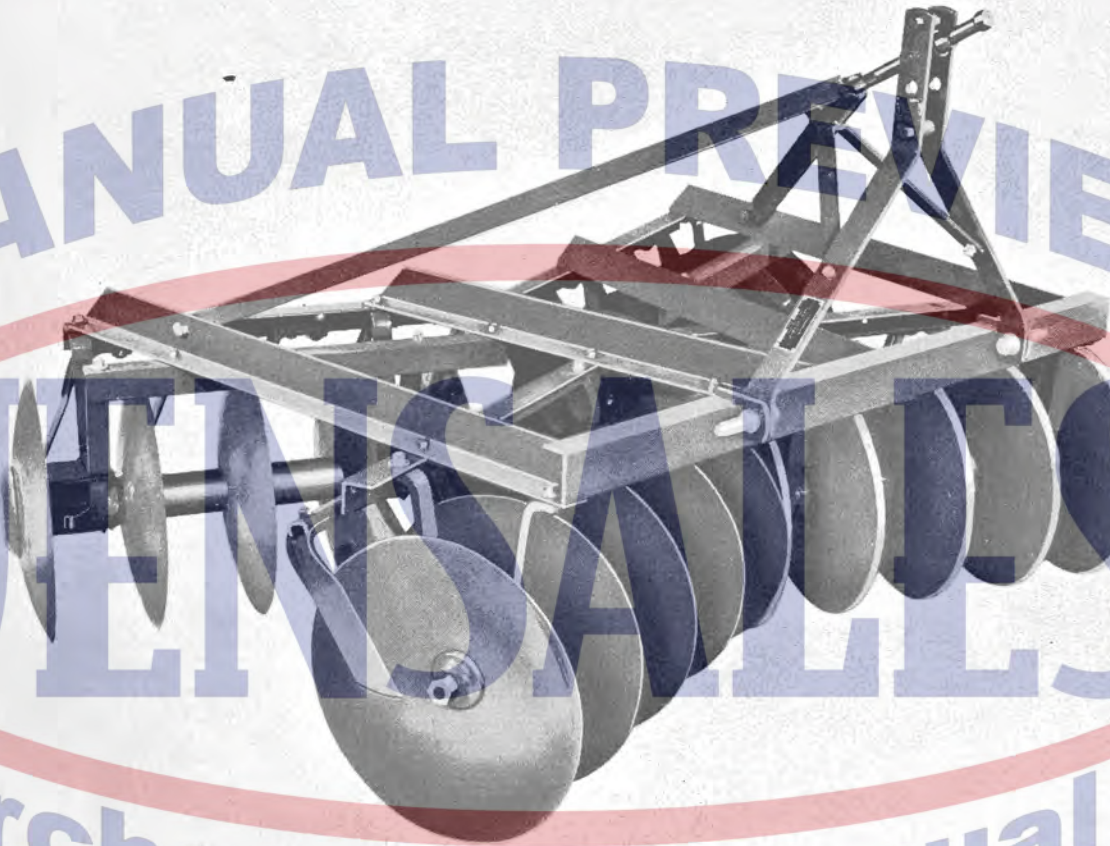


Figure 1

Dearborn Series D Lift Type Tandem Disc Harrow—Models 11-59, 11-60 and 11-61

The Dearborn Series D Lift Type Tandem Disc Harrow pictured above is built to the high quality standards required of all Dearborn Farm Equipment.

The heavy steel frame is rigidly constructed. The disc gangs are secured to the frame at a fixed angle for effective discing action, regardless of the depth at which the disc is working. The depth of cut is quickly and easily regulated by the Ford Tractor Hydraulic Touch Control lever.

The harrow is equipped with oil impregnated hard maple bearings to give long life and economical service. Each bearing is fitted with two high pressure grease gun fittings for quick and thorough lubrication.

The spring steel scrapers are adjustable by gangs to give desired performance. The disc blades are made from heat treated high carbon steel.

The disc gangs are easily leveled from front to rear by means of an adjusting screw located at

ASSEMBLY

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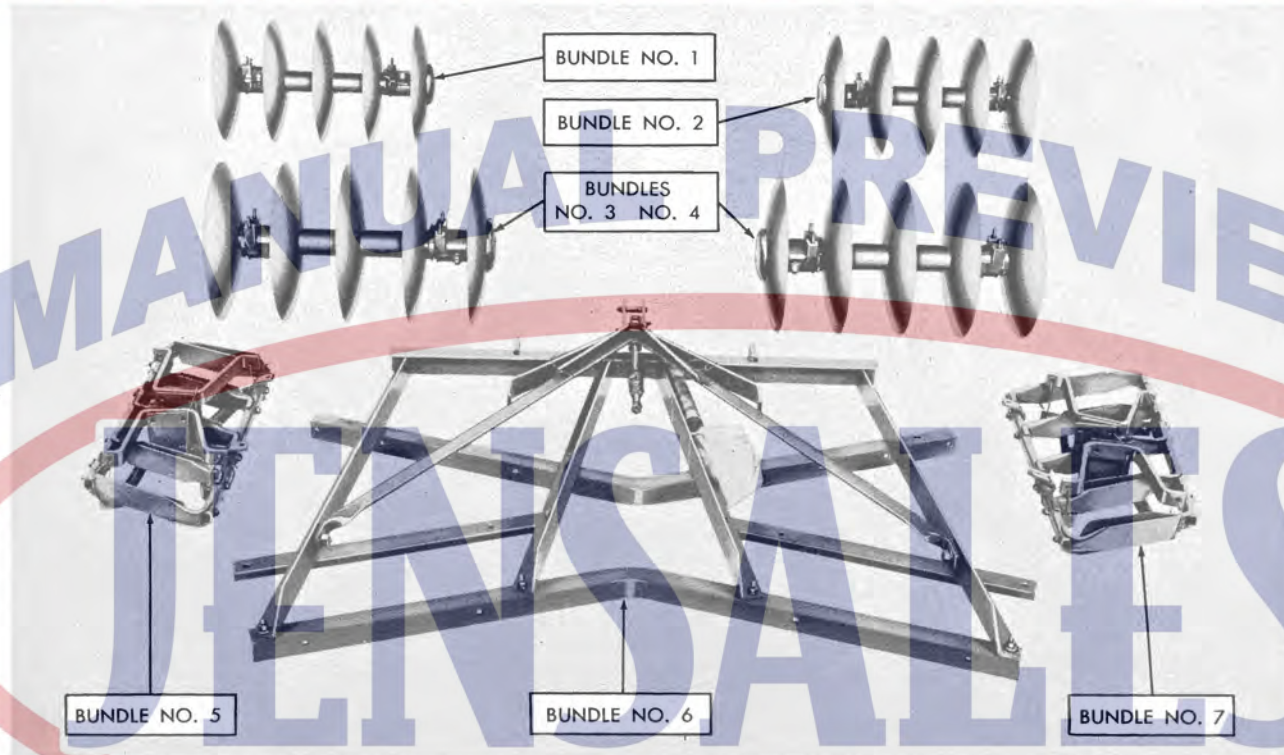


Figure 2

Harrow Bundled for Shipment

the top of the top link bracket. The gangs are leveled from right to left by means of the tractor draw bar leveling crank.

The Dearborn Series D Lift Type Tandem Disc Harrow is available in three models. Model 11-59 is a 6' disc harrow equipped with 16" blades; model 11-60 is a 6' disc harrow equipped with 18" blades; model 11-61 is a 7' disc harrow equipped with 16" blades. All models are assembled, adjusted, and operated in the same manner.

BUNDLE INFORMATION

The Dearborn Series D Lift Type Tandem Disc Harrow is shipped in seven bundles as

listed below. Check the shipment against this list and Figure 2 to be sure all parts have been received.

Bundles No. 1, 2, 3, 4

One disc gang, each.

Bundle No. 5

4 gang hangers and 2 scraper assemblies.

Bundle No. 6

Frame, yoke support assembly, top link bracket assembly, the bearing support, instruction manual tube, and bag of small parts.

Bundle No. 7

4 gang hangers and 2 scraper assemblies.

ASSEMBLY

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Figure 4
Disc Gang with Hangers Attached

5. Remove the cotter pin and flat washer from the end of the adjusting screw and place the end of the adjusting screw through the hole in the flange of the support. Replace the flat washer and the cotter pin. See Figure 3. Tighten all the nuts on this assembly.
6. Attach the disc gang hangers to each gang bearing housing with nuts and lock washers provided. See Figure 4. Leave the nuts loose to aid in bolting the hangers to the frame.
7. Attach the Disc Harrow A-frame to the Ford tractor using the three point hook-up as shown in Figure 5.

NOTE: Using the tractor to support the disc harrow A-frame will facilitate bolting the



Figure 5
A-Frame Attached to Tractor

ASSEMBLY

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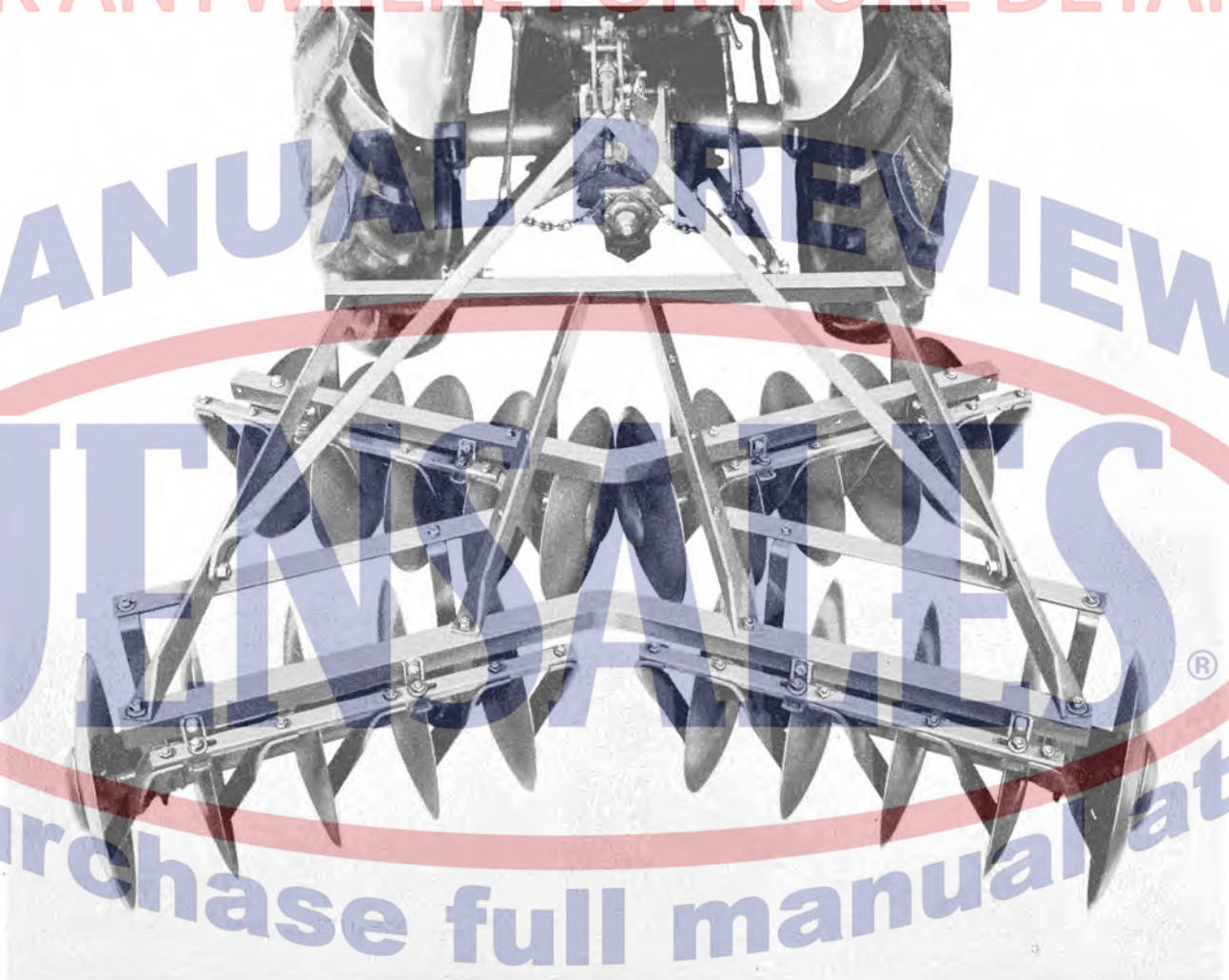


Figure 6

Disc Gangs and Scrapers Attached to Frame

gangs and scrapers to the frame. Use the Ford Tractor Hydraulic Control to raise and lower the disc frame.

8. Position the front disc gangs under the frame and bolt the hangers to the frame as shown in Figure 6.
9. Fit the front scrapers in place and secure with carriage bolts, lock washers and nuts provided.

10. Position the rear disc gangs under the frame and bolt the hangers to the frame. See Figure 6. Complete the attachment of one rear gang before starting to attach the second gang.

11. Fit the rear scrapers in place and secure with carriage bolts, lock washers and nuts. Tighten all nuts securely. This completes the assembly of the implement.

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ATTACHING AND DETACHING

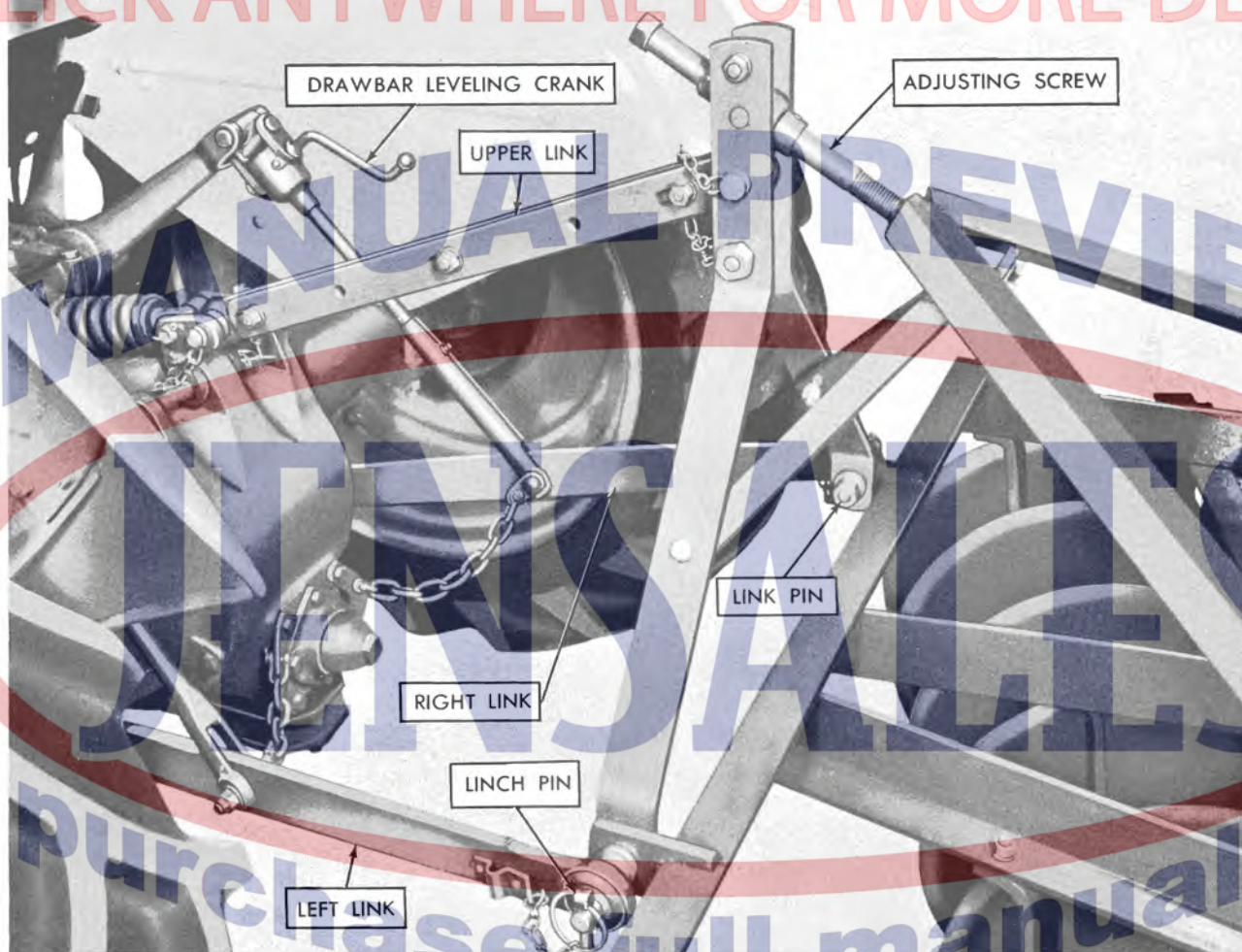


Figure 7

Harrow Attached to the Ford Tractor

ATTACHING THE HARROW TO THE FORD TRACTOR

1. Back the tractor into position for attaching.
2. Attach the tractor left and right lower links, and secure with linch pins.
3. Attach the tractor upper link to the upper bracket assembly and secure with a linch pin. Connect the forward end of the upper link to the tractor main control spring yoke and secure with a linch pin.

DETACHING THE HARROW FROM THE FORD TRACTOR

1. Disconnect the forward end of the upper link from the tractor control spring yoke.
2. Disconnect the right lower link.
3. Disconnect the left lower link.

CAUTION: Make certain the harrow is completely disconnected before attempting to move the tractor.

OPERATION



Figure 8

The Dearborn Series D Lift Type Tandem Disc Harrow at Work

The Dearborn Series D Lift Type Tandem Disc Harrow is well suited for general discing operations. The disc gangs are mounted in a fixed position, spaced to give maximum cutting efficiency. The scrapers are fully adjustable by gangs. Oil impregnated hard maple bearings are used to give long life and economical service.

Two high pressure grease gun fittings are installed on each bearing for positive lubrication.

The disc is designed to utilize the Ford Tractor Hydraulic Touch Control. This feature enables the operator to vary the working depth of the implement quickly and easily to meet the various operating conditions. This permits uniform discing even though soil conditions vary from one part of the field to another. This feature also facilitates quick and easy turning

at the ends of the field and permits backing into corners and crossing grassed waterways without damaging the sod. Further, the fact that the harrow can be quickly raised and lowered makes it easy to transport and easy to store under cover.

The following material contains information on lubrication, adjustments, maintenance, and safety. Read this material carefully before operating the harrow.

LUBRICATION

Each disc gang bearing is equipped with two grease gun fittings. Lubricate each bearing daily with a good grade of pressure gun grease. Wipe the dust and dirt off the fittings before greasing to avoid forcing grit into the bearings.

OPERATION

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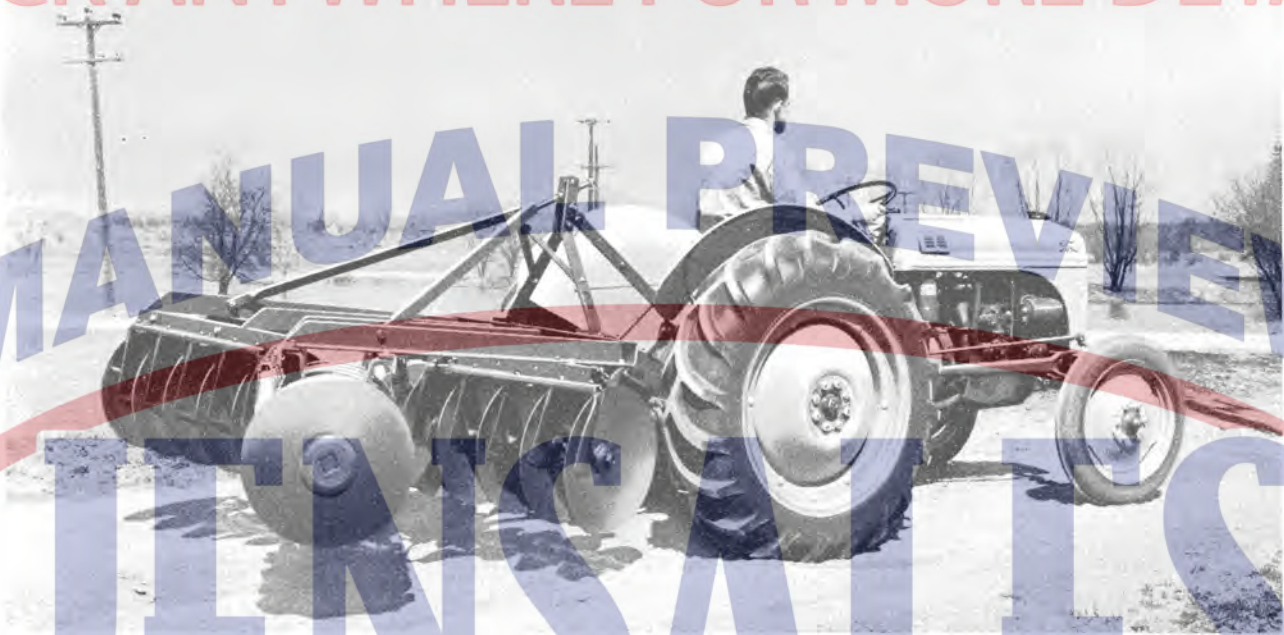


Figure 9
Harrow in Transport Position

ADJUSTMENTS

Leveling the gangs:

The rear gangs are leveled in relation to front gangs by means of the adjusting screw. See Figure 7. If the harrow furrows, the rear gangs are set too high in relation to the front gangs. This condition can be remedied by turning the adjustment screw to lower the rear gangs to the proper position.

If the harrow ridges, the rear gangs are set too low in relation to the front gangs. This condition can be eliminated by raising the rear gangs with the adjustment screw.

Leveling Outer Ends of Disc Gangs:

Use the tractor drawbar leveling crank to raise or lower the right hand end of the harrow to obtain uniform penetration across the width of the implement.

Scraper Adjustments:

The scrapers are adjustable by gangs. Set the scraper so that the points of the scraper blades are about $\frac{1}{8}$ of an inch from the disc blades. To do this, loosen the scraper rail hanger bolts and slide the scraper rail to the desired position.

TRANSPORTING THE HARROW

The Dearborn Series D Lift Type Tandem Disc Harrow is easily raised to transport position by the Ford Tractor Hydraulic Touch Control. Raise the harrow to transport position to turn, back into corners and up to fences. By raising the harrow on turns, gouging is prevented. Time and fuel are saved. Traveling to and from the field and over highways can be done without wear or damage to the harrow.