



Allis Chalmers

Operator's Manual

66 Combine

Operator's Manual

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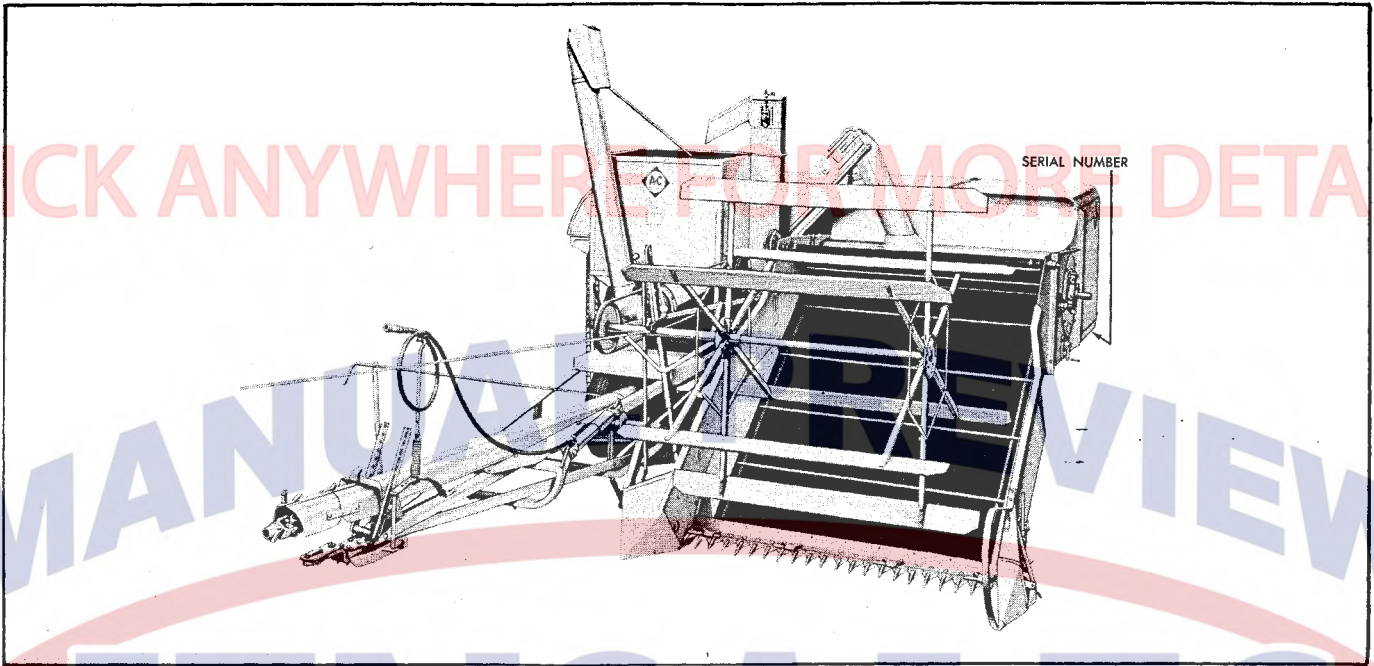
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SETTING UP INSTRUCTIONS



The right and left hand side of the harvester is determined by facing in direction of travel. The serial number is located on L.H. side of machine below separator door.

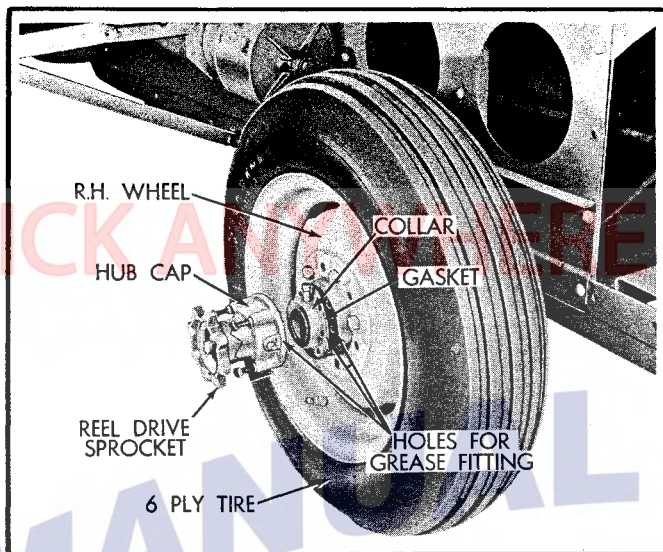
When setting up the harvester always use bolt

just long enough to extend through nut and do not tighten until all bolts have been installed in the assembly. Use lockwasher under all nuts and where a slotted hole or wood is next to the lockwasher or head of bolt a flat washer must be used.



The machine is shipped from the factory with header sides in place on the header and header is bolted to cylinder sides as shown. If the machine is to be transported before the header is set up then install tongue as outlined in set-

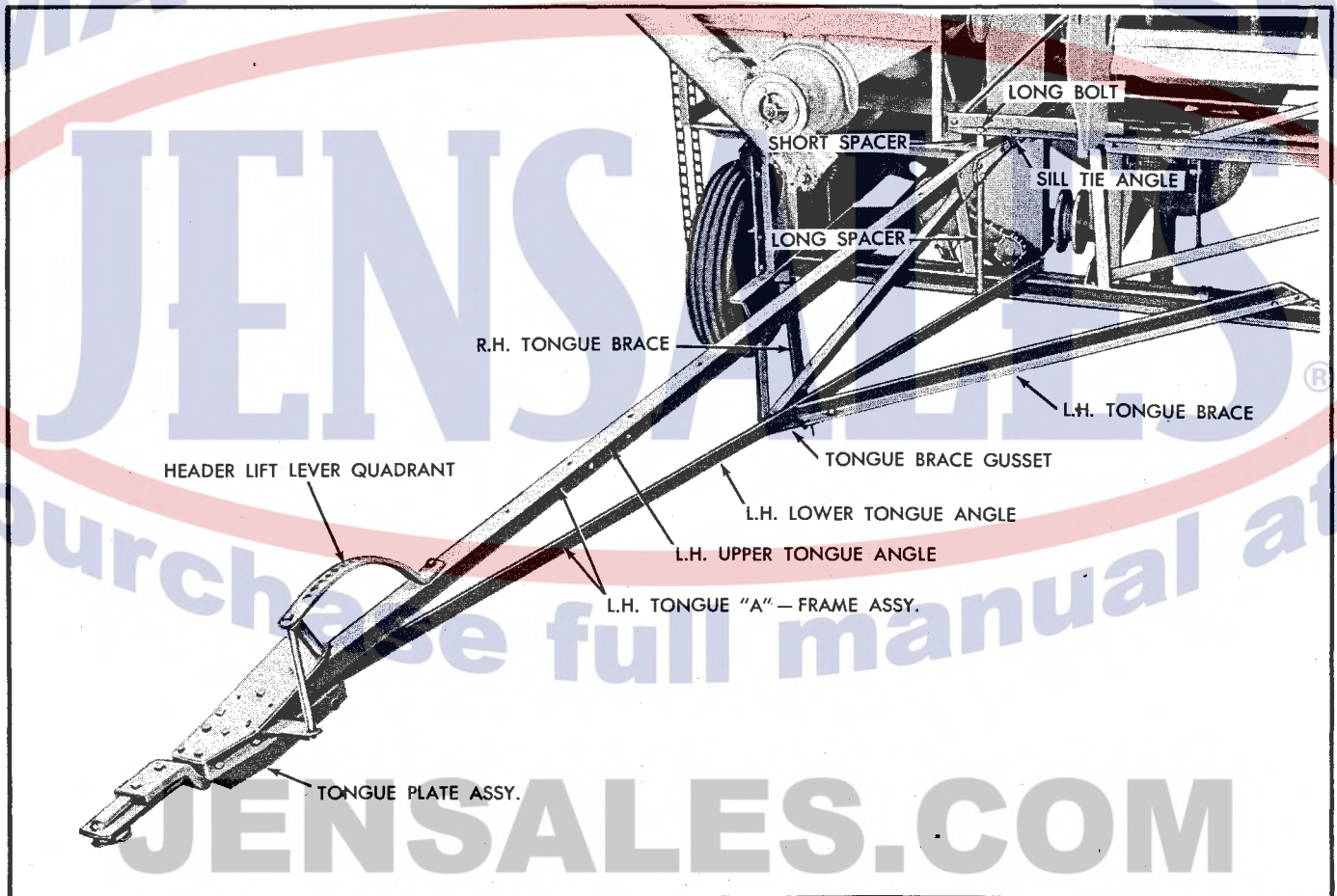
ting up instructions leaving off the L.H. tongue brace, long pipe spacer and long bolt. The short pipe spacer should be installed with a suitable bolt to hold it in place.



WHEELS

The wheels can be installed before or after the tongue, however, if wheels are to be installed first care should be exercised to prevent tipping the machine. Use wheel with 6 ply tire and sprocket on R.H. end of axle and wheel with 4 ply tire on L.H. end. Inflate tires to 40 lbs. pressure.

To install the wheels remove hub caps from hubs, clean the axles and inside of hubs. Jack up one end of the axle at a time and slide wheel on axle, install collar on axle, place pin through collar and install hub cap and gasket making certain holes for grease fitting are in line.

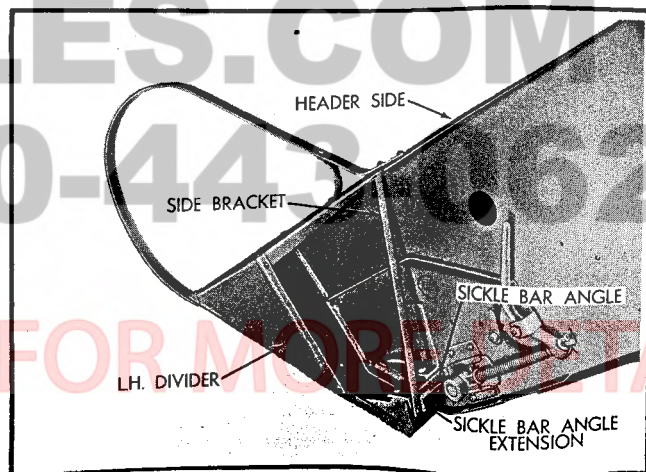
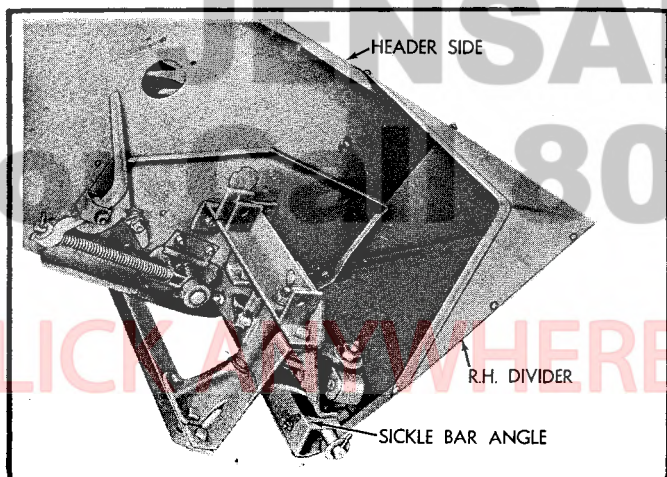
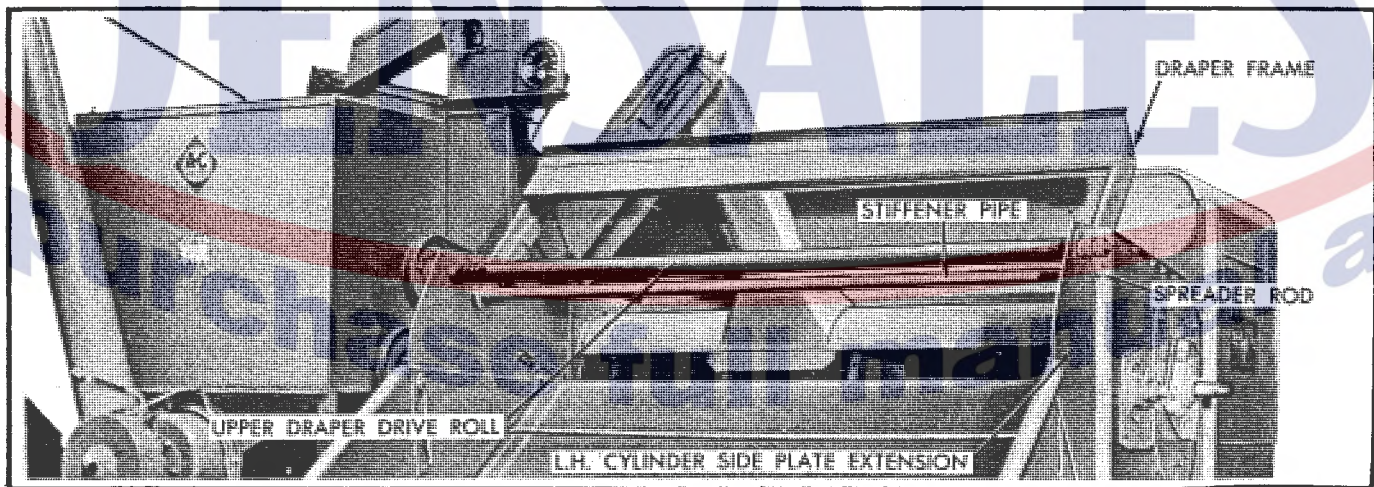
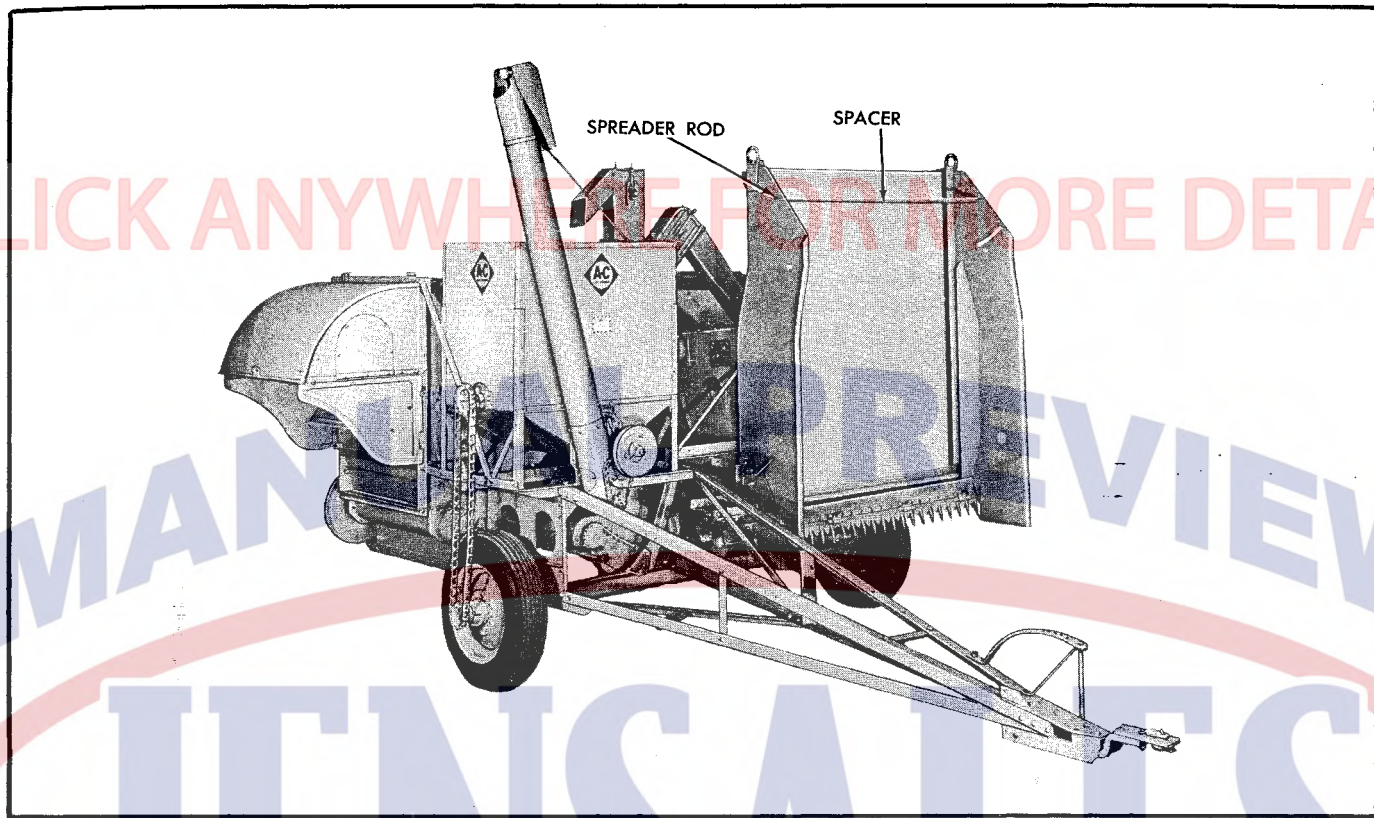


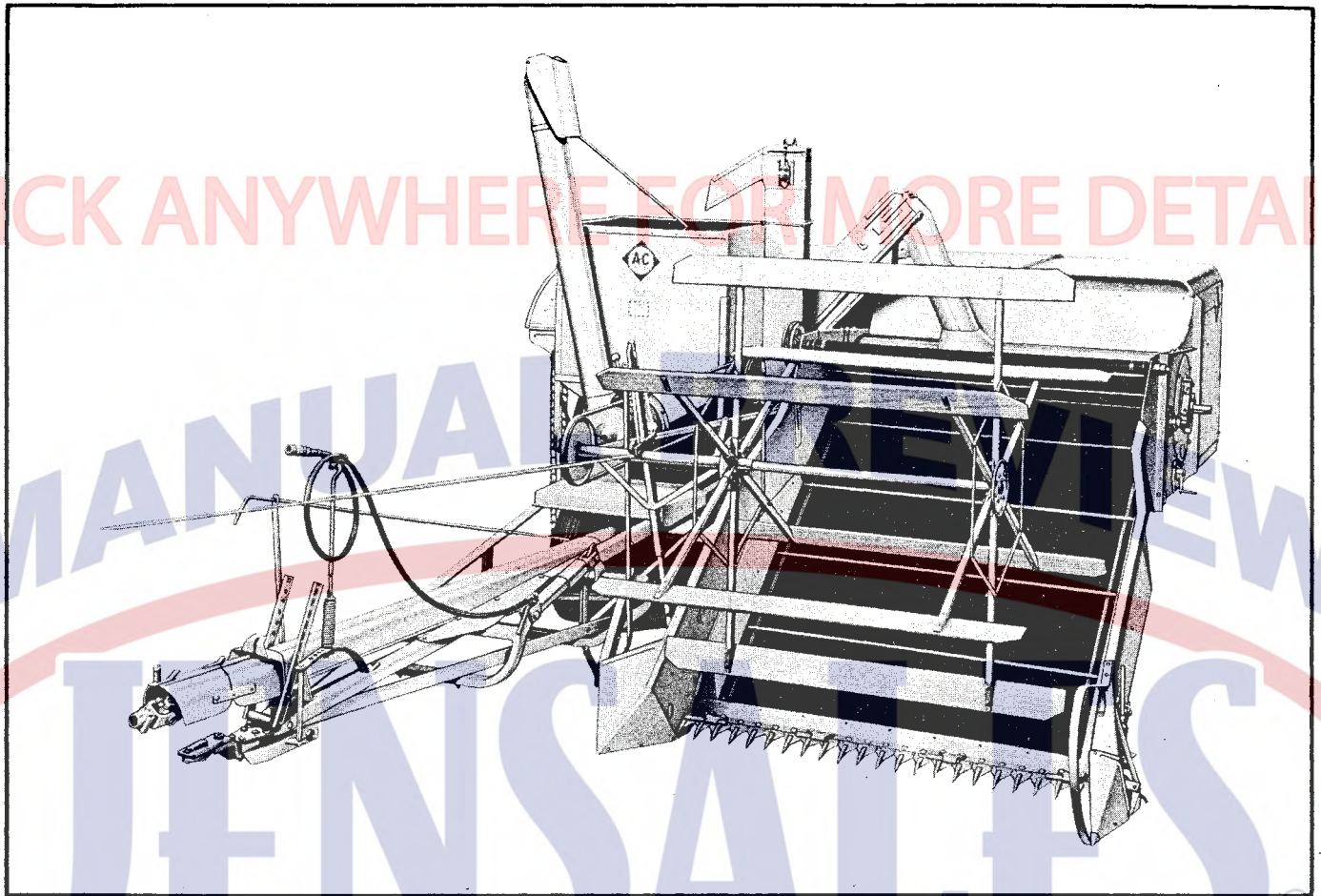
TONGUE

Install the L.H. tongue A frame assembly on the machine placing lower angle on top of the axle and upper tongue angle under the sill tie angle and on L.H. side of grain elevator and install bolts. Place the short pipe spacer between upper tongue angle and the cylinder and bin tie angle. Place the long spacer between upper and lower tongue angles and install long bolt through angles and spacers.

Bolt the tongue brace gusset and the R.H. tongue brace under lower L.H. tongue angle, leaving front bolt out of gusset at this time. Bolt the L.H. tongue brace to top of tongue brace gusset and the axle.

Bolt the tongue plate assembly and the header lift lever quadrant to the L.H. tongue A frame assembly. Swing upper end of unloading conveyor out to R.H. side of machine.





UPPER DRAPER FLOATING FRAME

Bolt the R.H. and L.H. cylinder side plate extensions to the cylinder side plates. Remove sheave, set collar, bearings and washers from upper draper drive roll. Place long end of roll shaft through R.H. side plate extension and spread bolt side plate extensions enough to permit roll shaft to enter hole in L.H. extension. Replace bearings, washers, sheave and set collar on shaft, making certain lugs on bearings are in slots in side plates and all parts are in same position as when they were removed. Remove all end play from shaft and tighten set collar.

Remove the spacer and spreader rod from upper end of the header and place spacer in the upper

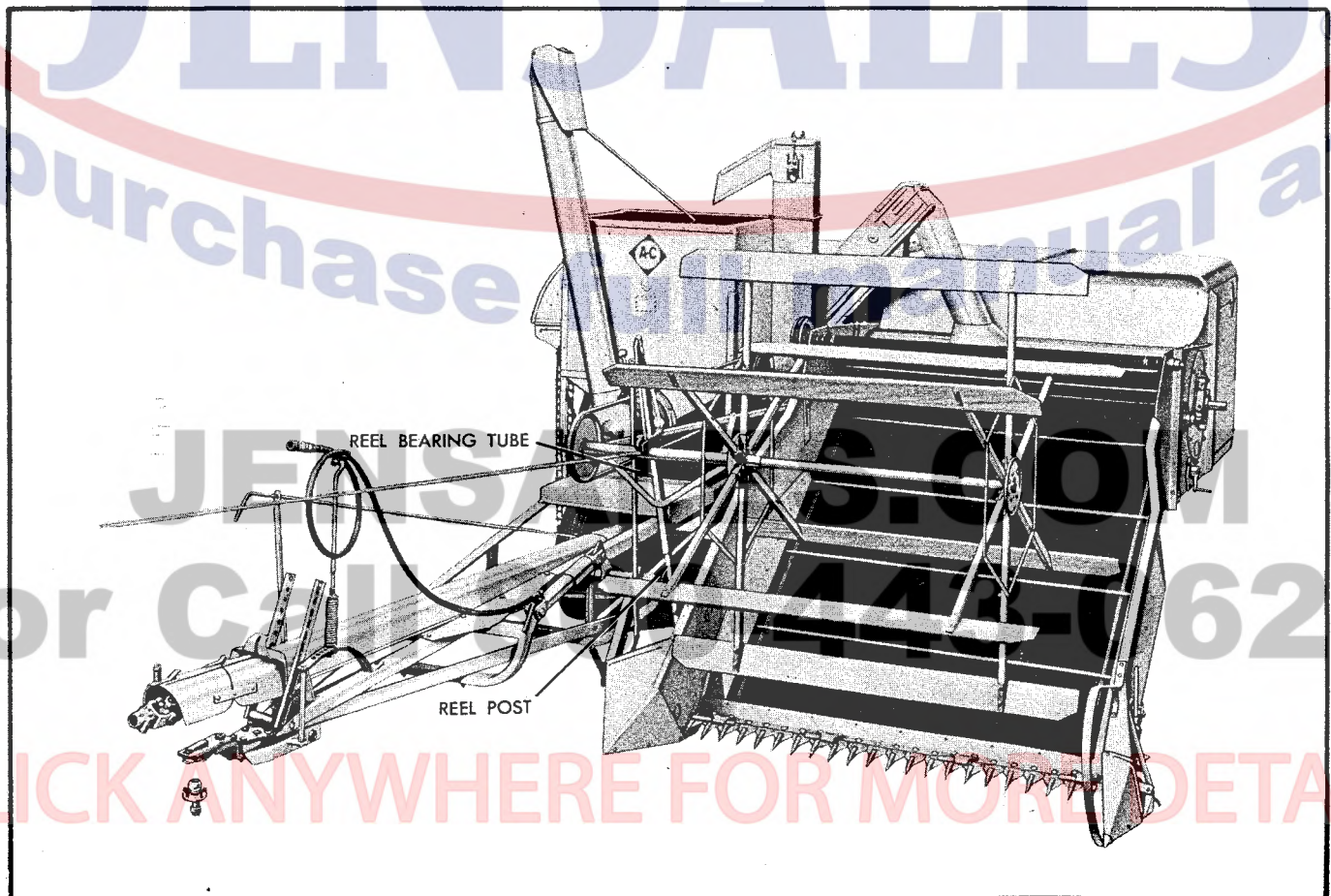
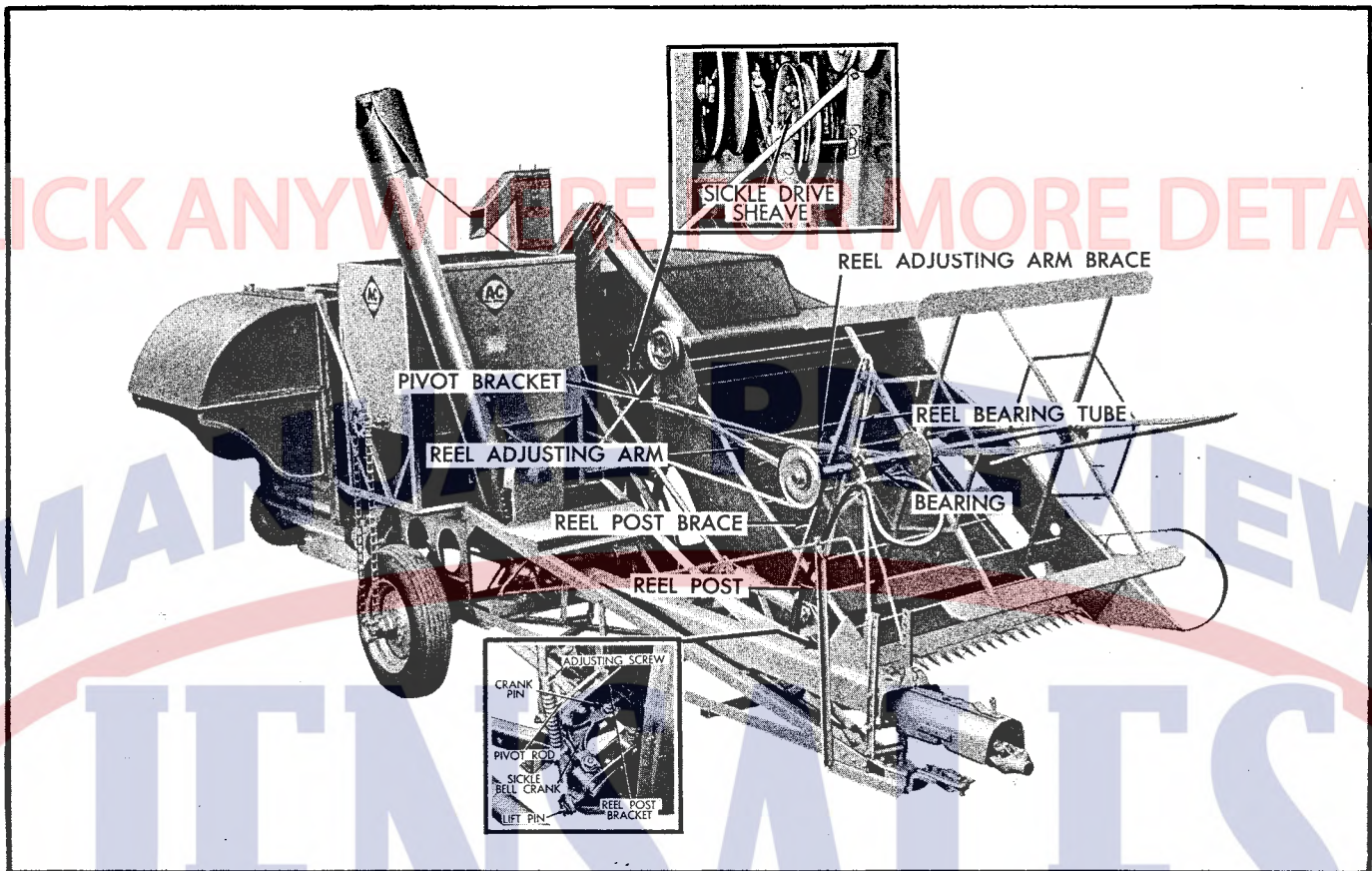
draper floating frame stiffener pipe. Place draper frame between the cylinder side plate extensions and place spreader rod through holes in extensions and spacer, making certain rod is in corresponding holes in bolt sides.

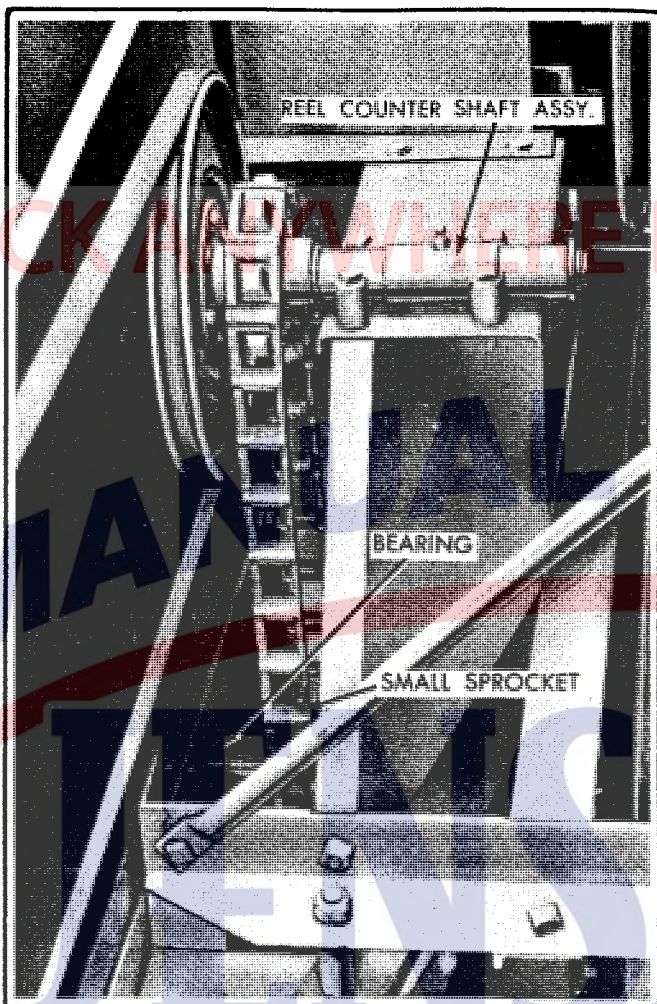
DIVIDERS

Install the R.H. divider placing the shoe in front of the sickle bar angle and inner sheet on inside of header side as shown.

Install the L.H. divider placing the shoe in front of the sickle bar angle, and inner sheet inside of header side, bolting sickle bar angle extension and side bracket in place at the same time.

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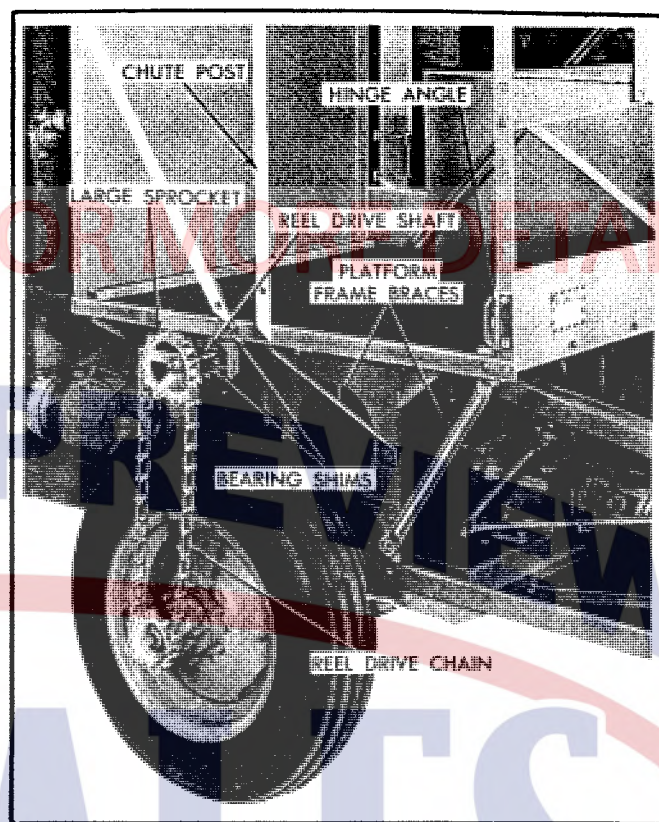


BAGGING PLATFORM

For territories where grain is sacked, a bagging platform may be specified in place of the grain bin when purchasing a new machine or it can be purchased as an attachment later. The platform is roomy, safe, and convenient. A seat is provided for the sack sewer. Bags can be released instantly from the no tear bag holders. The bag chute eases the bags to the ground beyond the straw windrow and it can be folded up out of the way for transport or passing through gates.

Installation

To install the bagging platform on a Harvester ordered as a bagger machine, remove the R.H. and L.H. grain bin angles and the short angle that ties the grain elevator to the bagging platform back sheet.

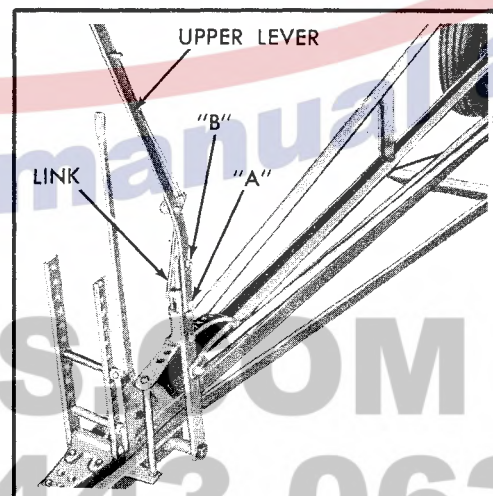
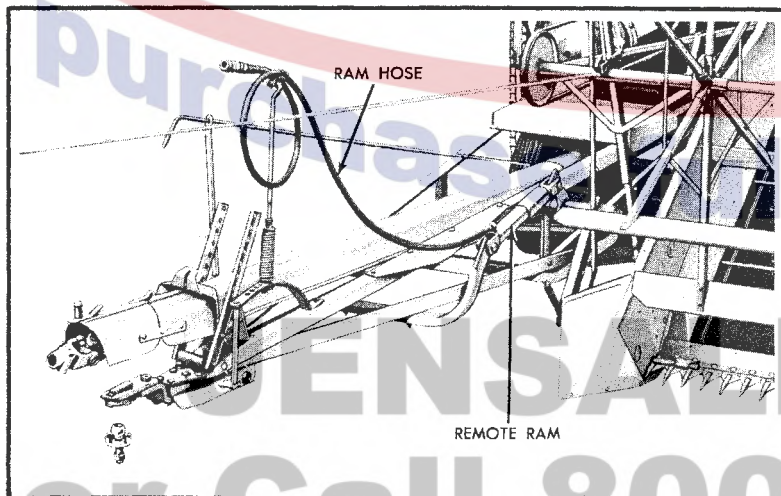
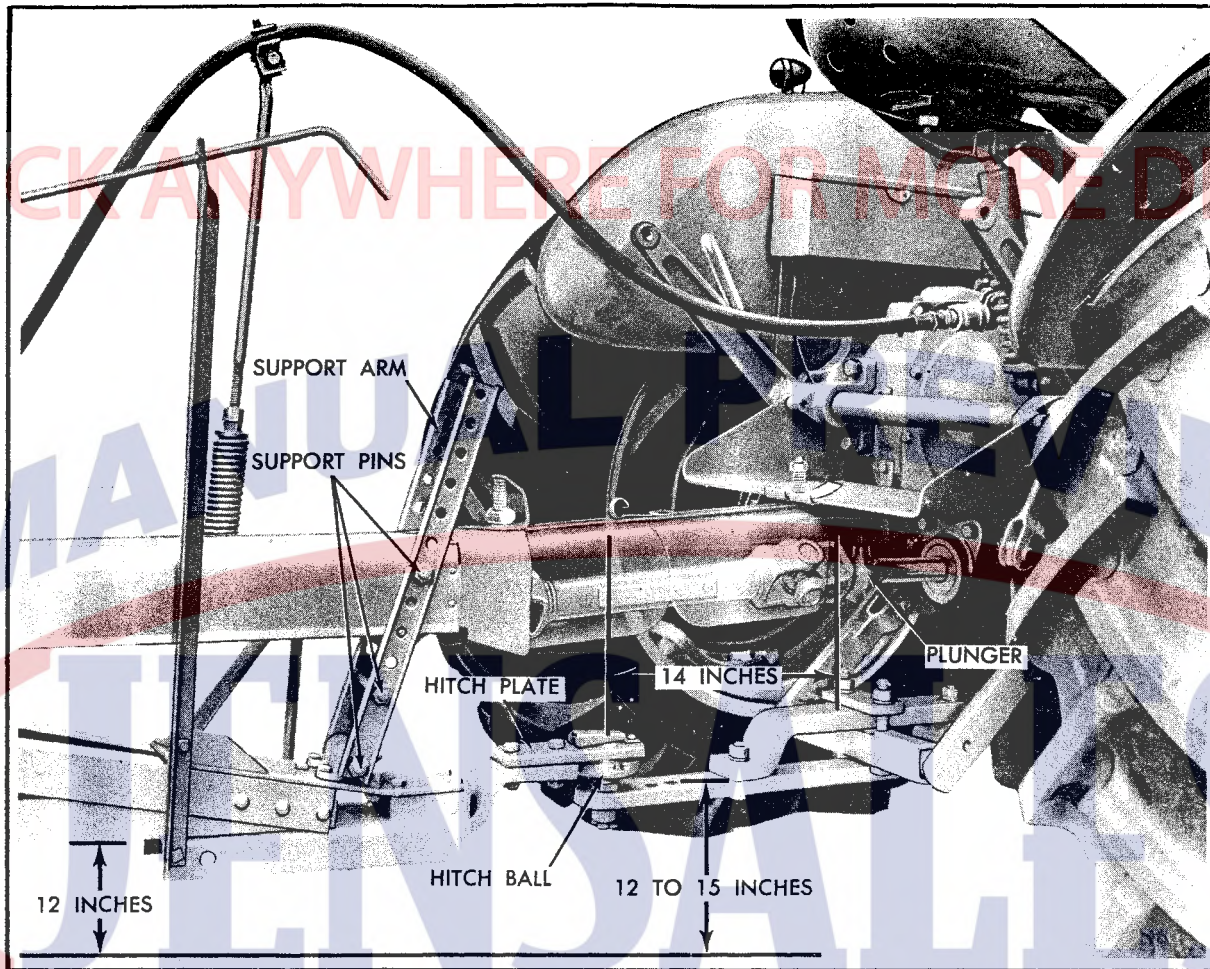


Install the R.H. and L.H. frame assemblies. Bolt the front bottom angle, front sheet and the diagonal brace in place. Bolt the two platform frame braces to the R.H. lower frame angle and the bagger frame post as shown. Install the seat and seat angle placing angle under the seat on posts "A" & "B". Bolt seat back rail and the floor in place.

Bolt the tongue cross angle on top of the tongue. Place the cotter keys in the reel drive shaft, place the large flat washers outside of the cotter keys and then the bearings. Place the small sprocket on the short end of the shaft and the large sprocket on the long end.

Place the shaft assembly under the platform, install the reel drive chain and bolt the bearings to underside of the frame angles, placing the required number of shims between the bearings and the angles to properly adjust the reel drive chain. Install the reel countershaft chain and adjust it by moving the countershaft bracket up or down on the grain elevator. Bolt the bag spout to the grain elevator spout and the platform back sheet. Bolt the bag chute to the hinge angle and the chute post.

HITCHING



Before hitching the Harvester to the tractor adjust tractor wheels to narrow tread position. Tractor must be equipped with an A.S.A.E. drawbar set to measure 12" to 15" from ground to top of drawbar. The distance from center of hitch pin hole to end of tractor power take-off shaft must be approximately 14", measuring horizontally.

Bolt the hitch ball on top of tractor drawbar with lock ring between ball and drawbar. Connect Harvester tongue to hitch ball and secure with lock ring (be sure the pin that engages the lock ring is holding). Tongue extension and hitch plate should be placed on Harvester tongue so that the distance from the bottom of the tongue to the ground is approximately 12 inches. Press