

WIL-RICH

ASSEMBLY INSTRUCTIONS

WIL-RICH 3400 3-SECTION FIELD CULTIVATOR



WIL-RICH

FARM EQUIPMENT DIVISION
LEAR SIEGLER, INC.

Box 1013, Wahpeton, ND 58075

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ASSEMBLY INFORMATION

Remove all wires and arrange the parts conveniently.

NOTE: Always wear safety glasses or goggles and be careful when cutting wires and steel bands as they are under tension and will spring back when cut.

Wherever the terms "left" and "right" are used, it should be understood to mean from a position behind and facing the machine.

Lubricate all bearings and moving parts as you proceed and make sure they work freely.

Loosely install all bolts connecting mating parts before final tightening.

When tightening bolts, they should be torqued to the proper number of foot-pounds as indicated in the table unless specified. It is important that all bolts be kept tight.

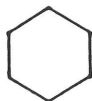
On new machines, all nuts and bolts should be rechecked after a few hours of operation.

When replacing a bolt, use only a bolt of the same grade or higher.

Bolts with no markings are grade 2.

Grade 5 bolts furnished with the machine are identified by three radial lines on the head.

Grade 8 bolts furnished with the machine are identified by six radial lines on the head.



GRADE 2



GRADE 5



GRADE 8

All U-bolts are grade 5.

TORQUE IN FOOT POUNDS

BOLT DIA		3/8	1/2	5/8	3/4	7/8	1
HEX HEAD		9/16	3/4	15/16	1-1/8	1-5/16	1-1/2
UNC	G R 2	18	45	89	160	252	320
	A 5	30	68	140	240	360	544
	D 8	40	100	196	340	528	792
UNF	G R 2	21	51	102	178	272	368
	A 5	32	70	168	264	392	572
	D 8	48	112	216	368	792	840

PI-75623



THIS SYMBOL IS USED TO CALL YOUR ATTENTION TO INSTRUCTIONS CONCERNING YOUR PERSONAL SAFETY. BE SURE TO OBSERVE AND FOLLOW THESE INSTRUCTIONS.



CAUTION

NEVER FORCE REMOVAL OF A WING LOCK PIN. CHECK ALL HYDRAULIC & MECHANICAL WING CONNECTIONS BEFORE REMOVING A TIGHT PIN. A FAULTY CONNECTION MAY RESULT IN THE WING FALLING UNCONTROLLED, CAUSING POSSIBLE PERSONAL INJURY AND EQUIPMENT DAMAGE.



CAUTION

REMOVE AND STORE WING LOCK PINS BEFORE LOWERING WINGS. ALWAYS INSTALL WING LOCK PINS WHEN TRANSPORTING OR STORING. FAILURE TO DO SO MAY RESULT IN PERSONAL INJURY AND EQUIPMENT DAMAGE.



CAUTION

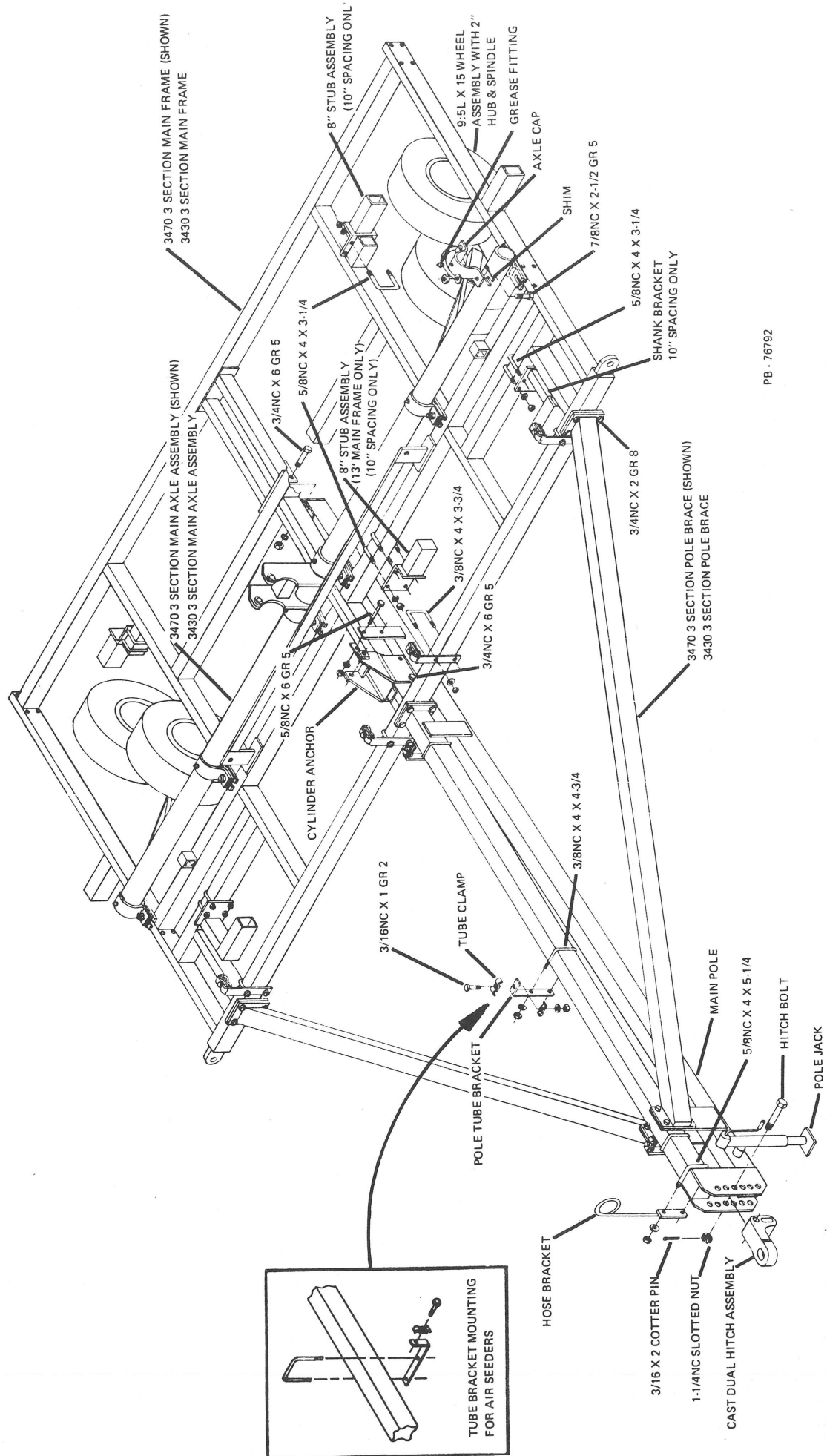
BEFORE ACTIVATING HYDRAULIC SYSTEM, CHECK HOSES FOR PROPER CONNECTIONS. IF LOWERING WINGS FOR THE FIRST TIME, MAKE SURE THE ENTIRE SYSTEM HAS BEEN CHARGED WITH OIL. FAILURE TO DO SO MAY RESULT IN PERSONAL INJURY AND EQUIPMENT DAMAGE.



DANGER

STAND CLEAR AT ALL TIMES. NEVER WALK OR STAND IN THE PATH OF THE WINGS. COMPLETELY LOWER WINGS BEFORE PERFORMING SERVICE OR ADJUSTMENTS. FAILURE TO DO SO CAN RESULT IN SERIOUS INJURY OR DEATH.

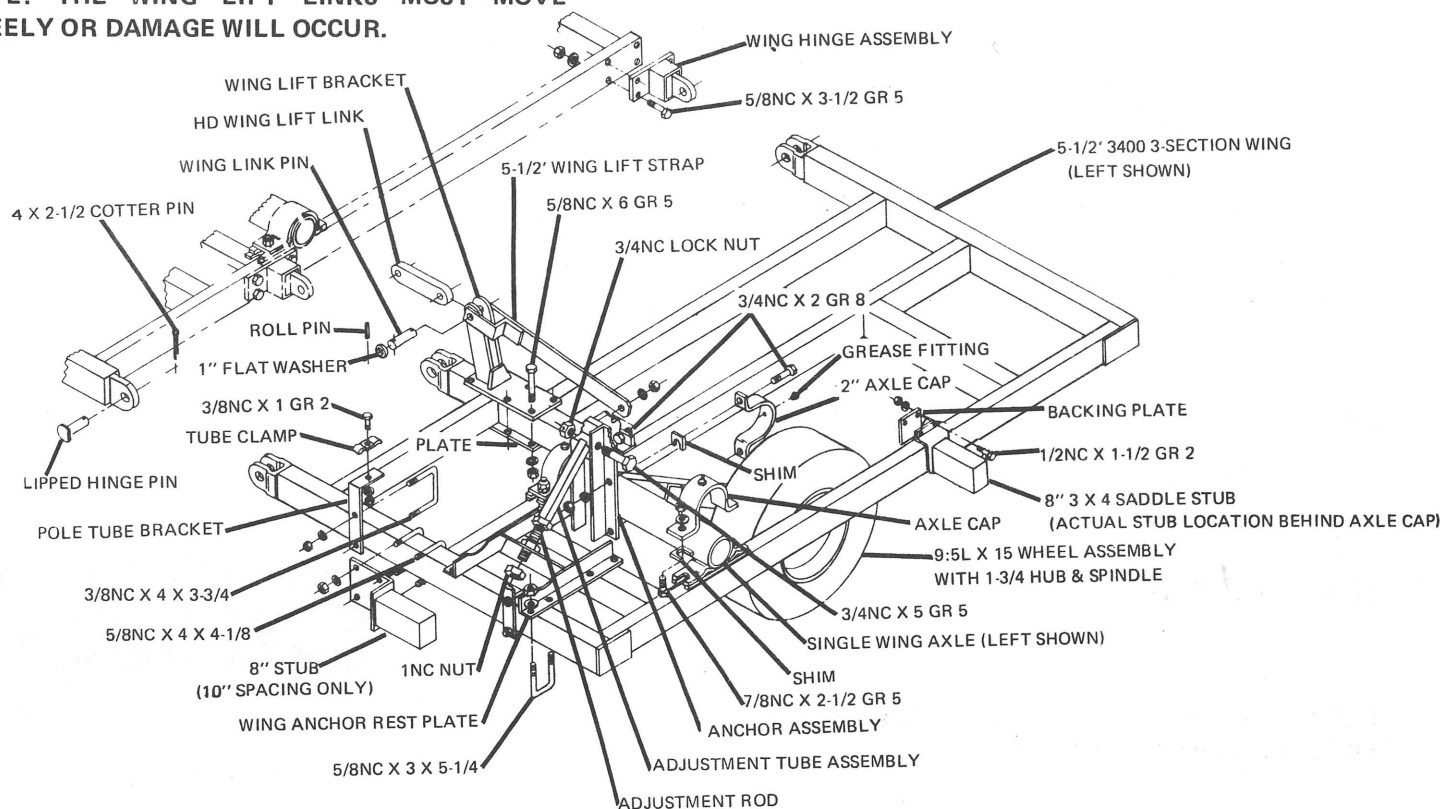
13 FT. 3400 MAIN FRAME 17 FT. 3400 MAIN FRAME (SHOWN)



PB - 76792

5-1/2' WING

NOTE: THE WING LIFT LINKS MUST MOVE FREELY OR DAMAGE WILL OCCUR.



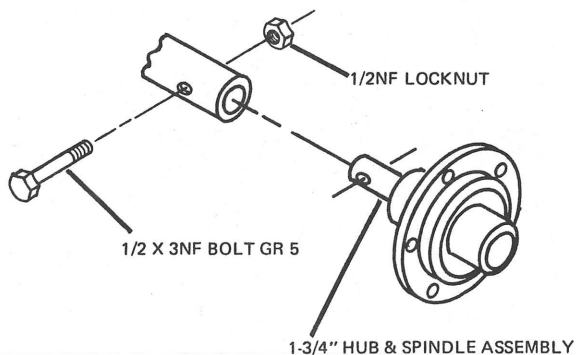
PI - 76783



DANGER

STAND CLEAR AT ALL TIMES. NEVER WALK OR STAND IN THE PATH OF THE WINGS. COMPLETELY LOWER WINGS BEFORE PERFORMING SERVICE OR ADJUSTMENTS. FAILURE TO DO SO CAN RESULT IN SERIOUS INJURY OR DEATH.

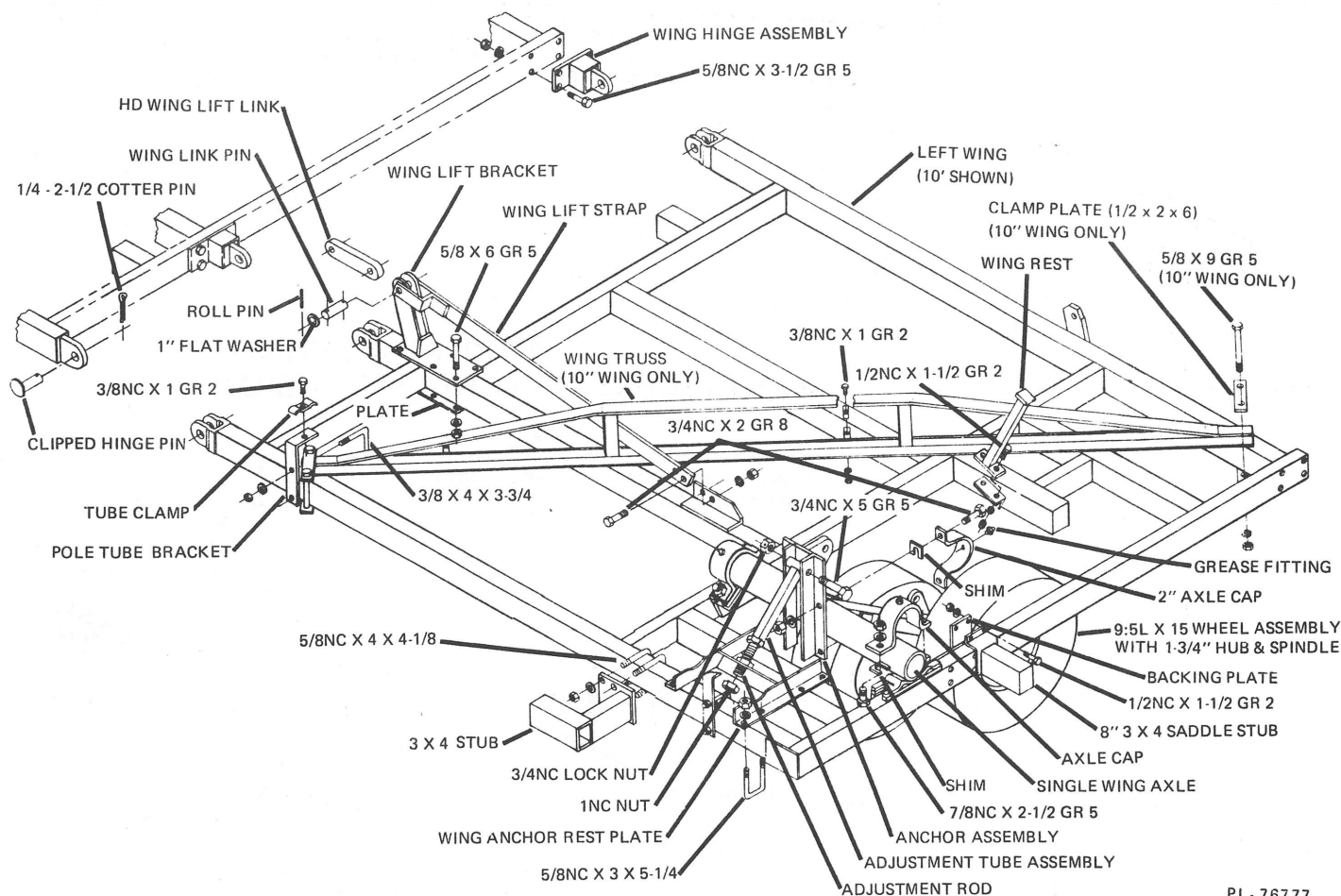
1-3/4" HUB & SPINDLE



PI - 75660

NOTE: THE WING LIFT LINKS MUST MOVE FREELY OR DAMAGE WILL OCCUR.

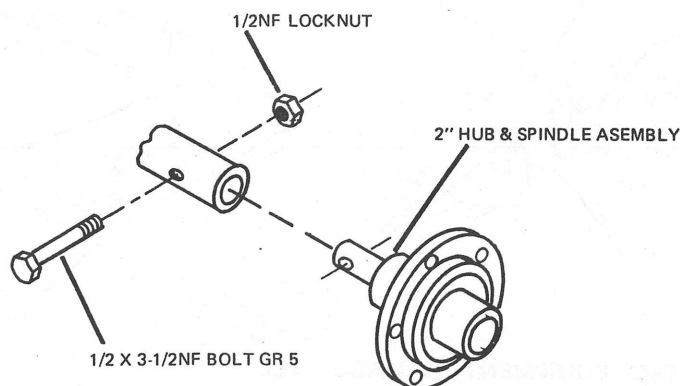
8' & 10' WING



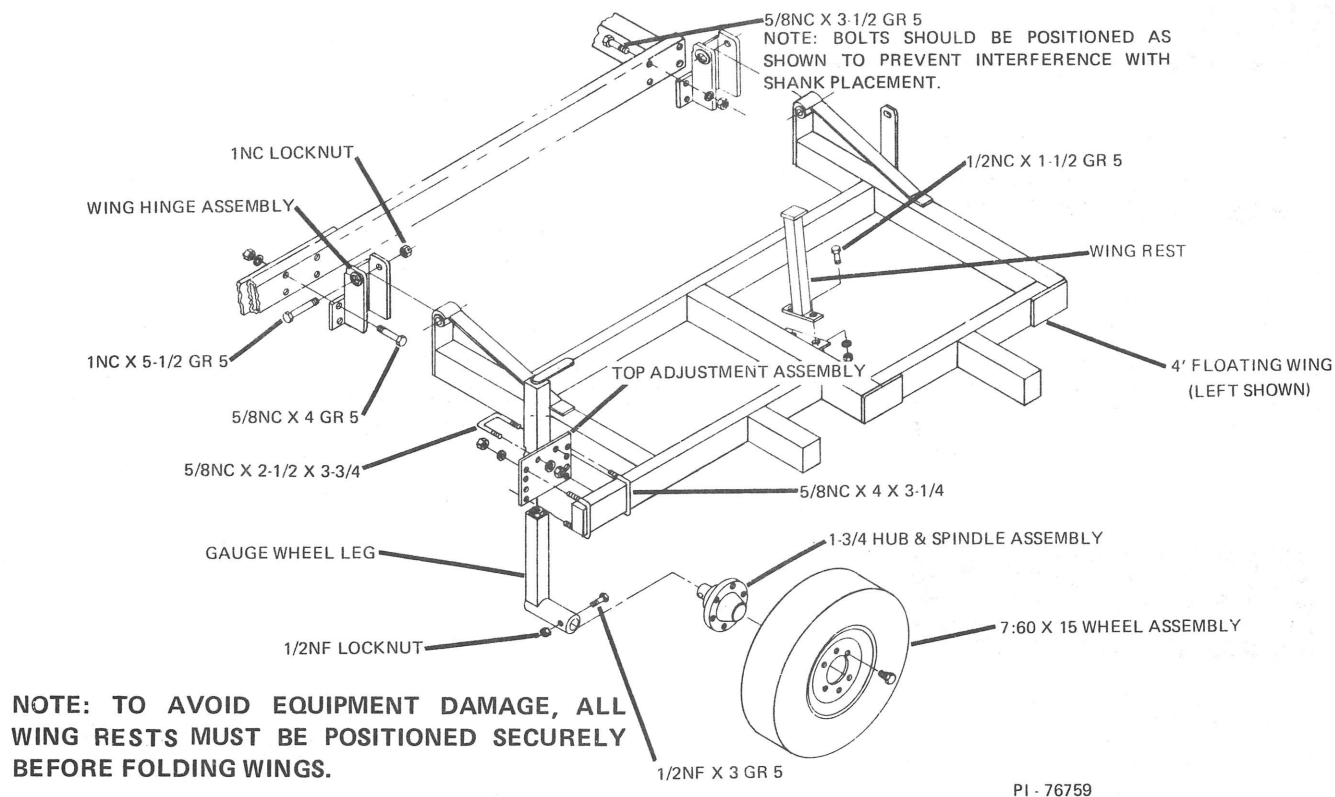
PI - 76777

NOTE: TO AVOID EQUIPMENT DAMAGE, ALL WING RESTS MUST BE POSITIONED SECURELY BEFORE FOLDING WINGS.

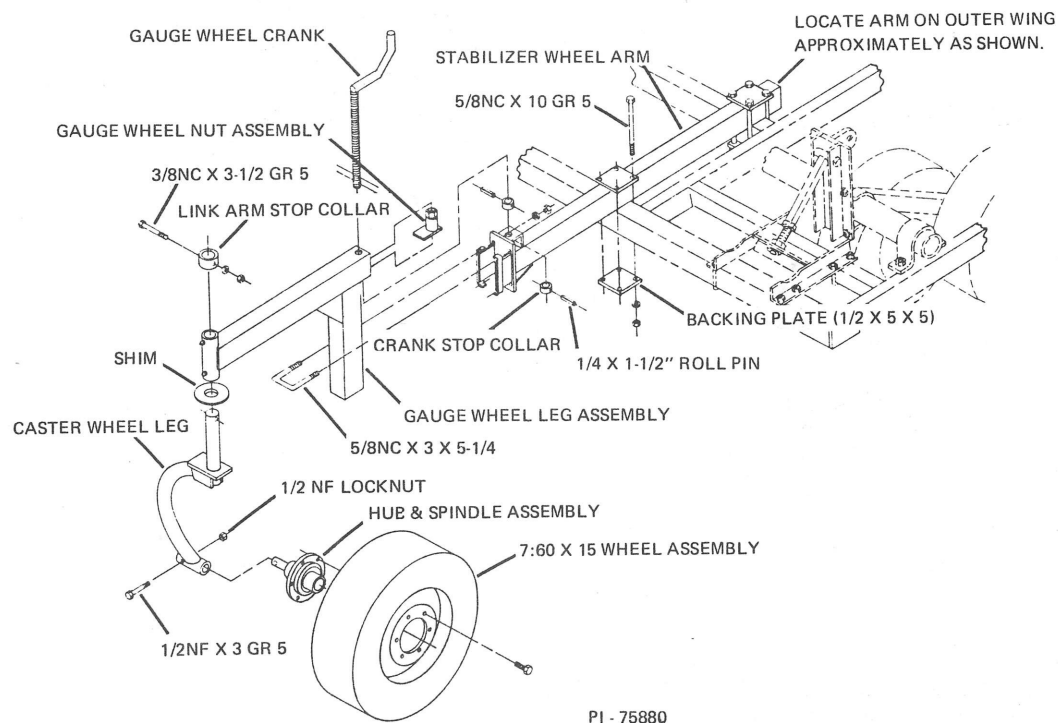
2" HUB & SPINDLE



PI - 75660

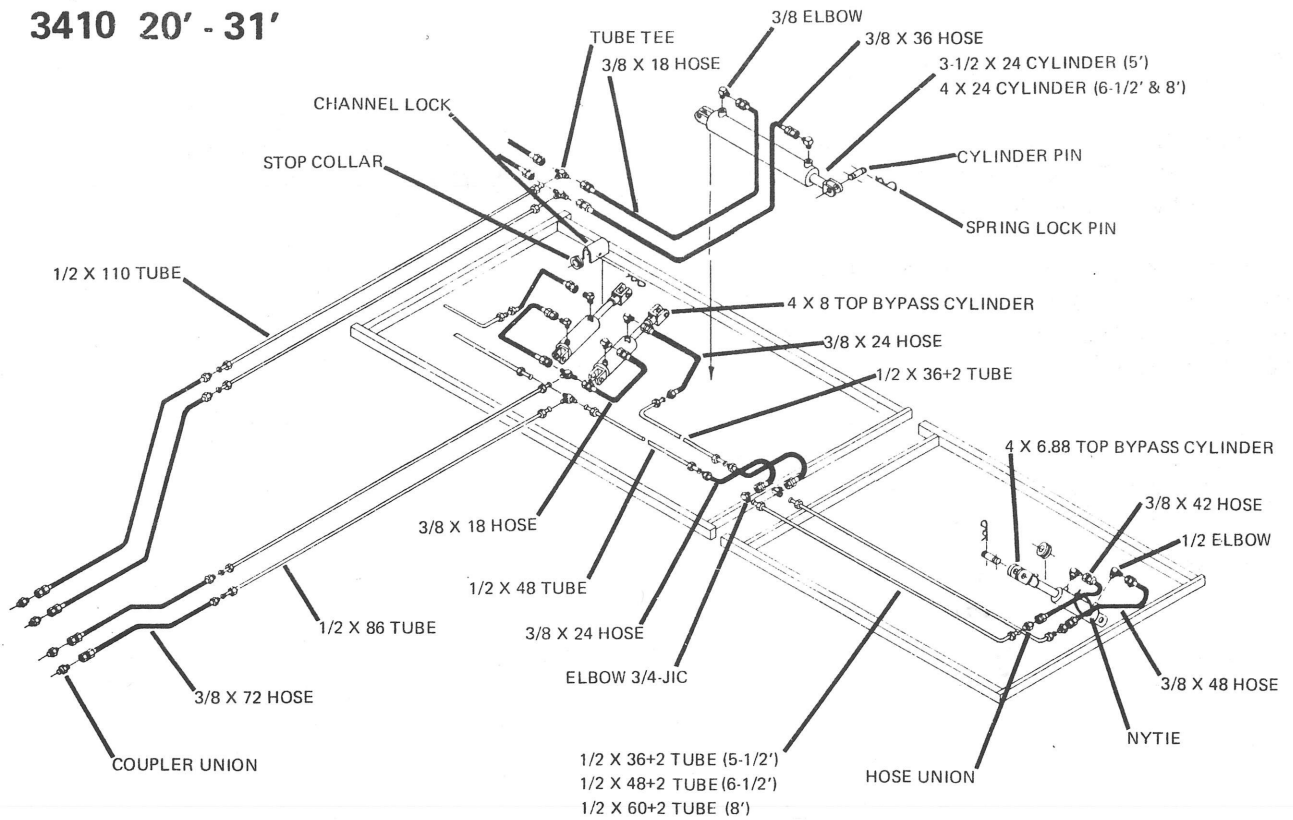


STABILIZER WHEEL ASSEMBLY (OPTIONAL)



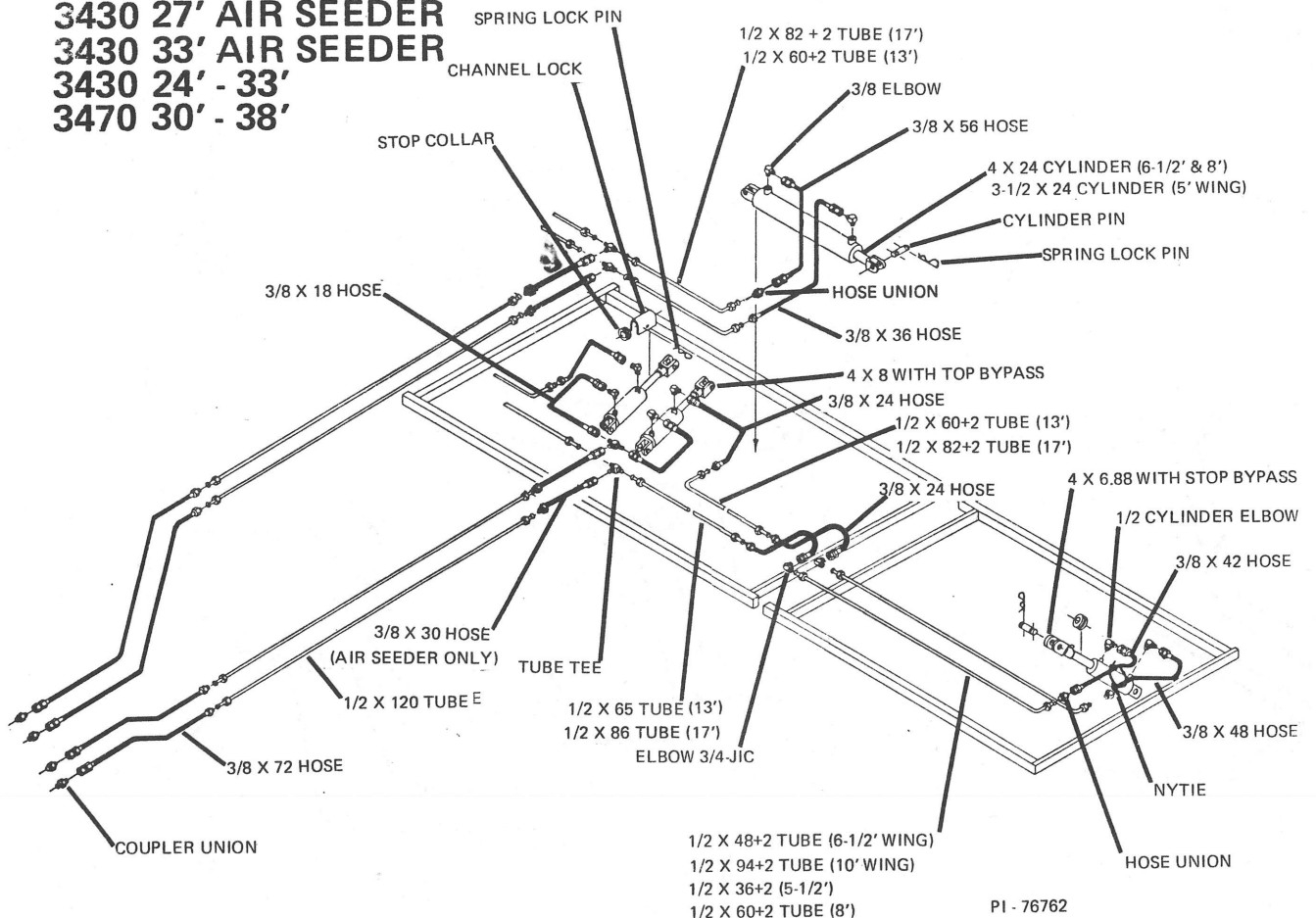
HYDRAULICS (SINGLE WING MODELS)

3410 20' - 31'



PI - 76765

**3430 27' AIR SEEDER
3430 33' AIR SEEDER
3430 24' - 33'
3470 30' - 38'**



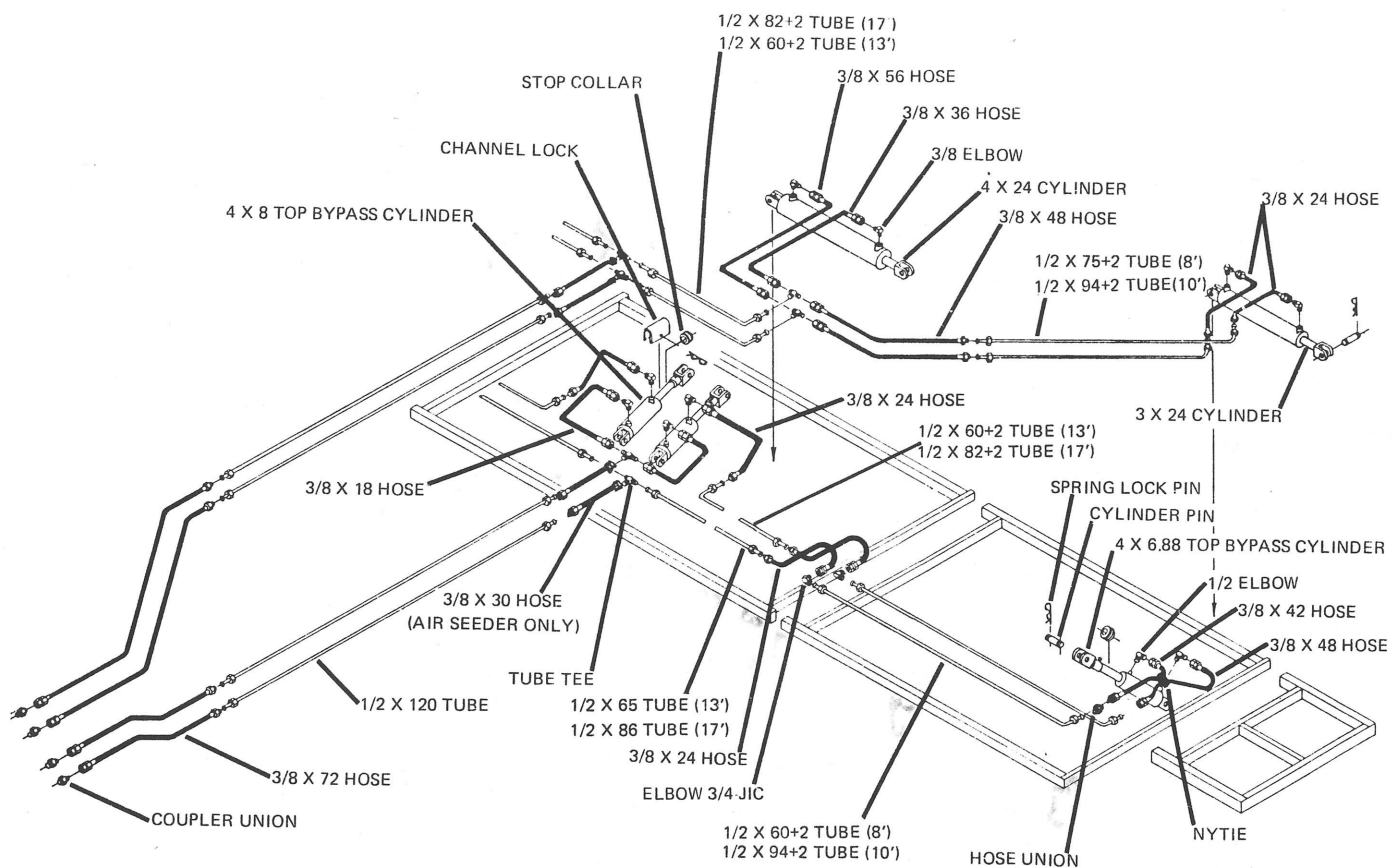
PI - 76762



DANGER

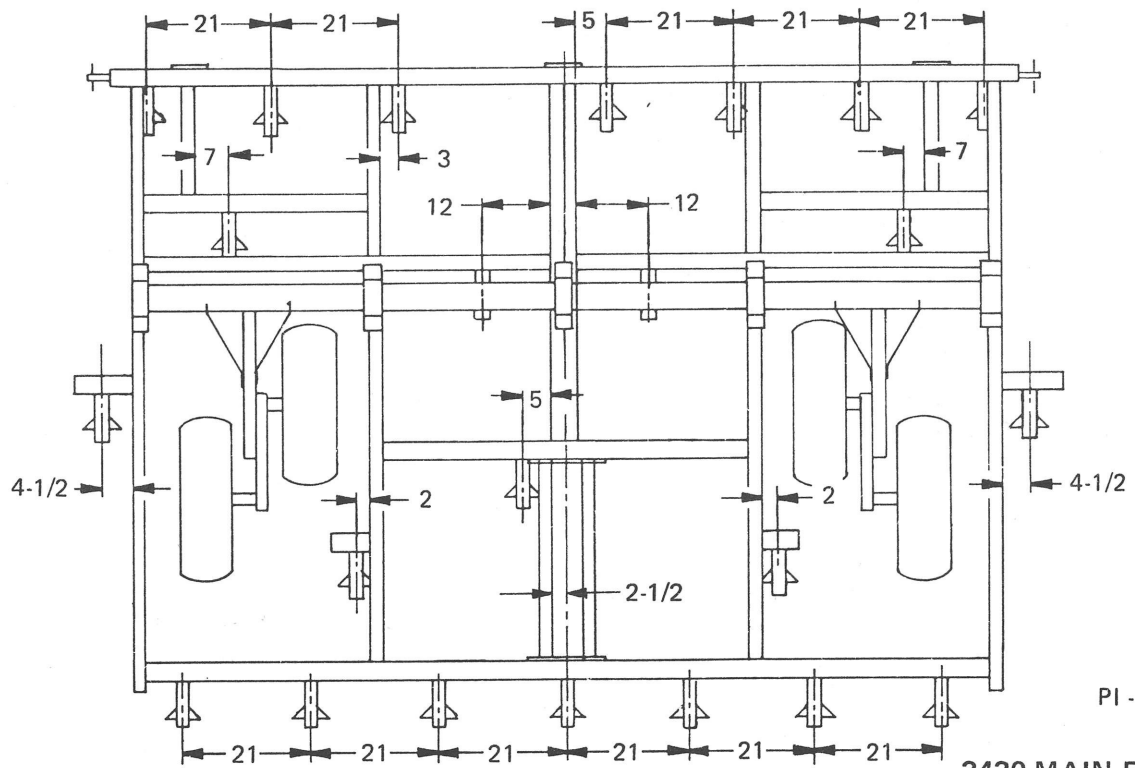
STAND CLEAR AT ALL TIMES. NEVER WALK OR STAND IN THE PATH OF THE WINGS. COMPLETELY LOWER WINGS BEFORE PERFORMING SERVICE OR ADJUSTMENTS. FAILURE TO DO SO CAN RESULT IN SERIOUS INJURY OR DEATH.

3430 41' AIR SEEDER
3430 30' - 41'
3470 34' - 44'

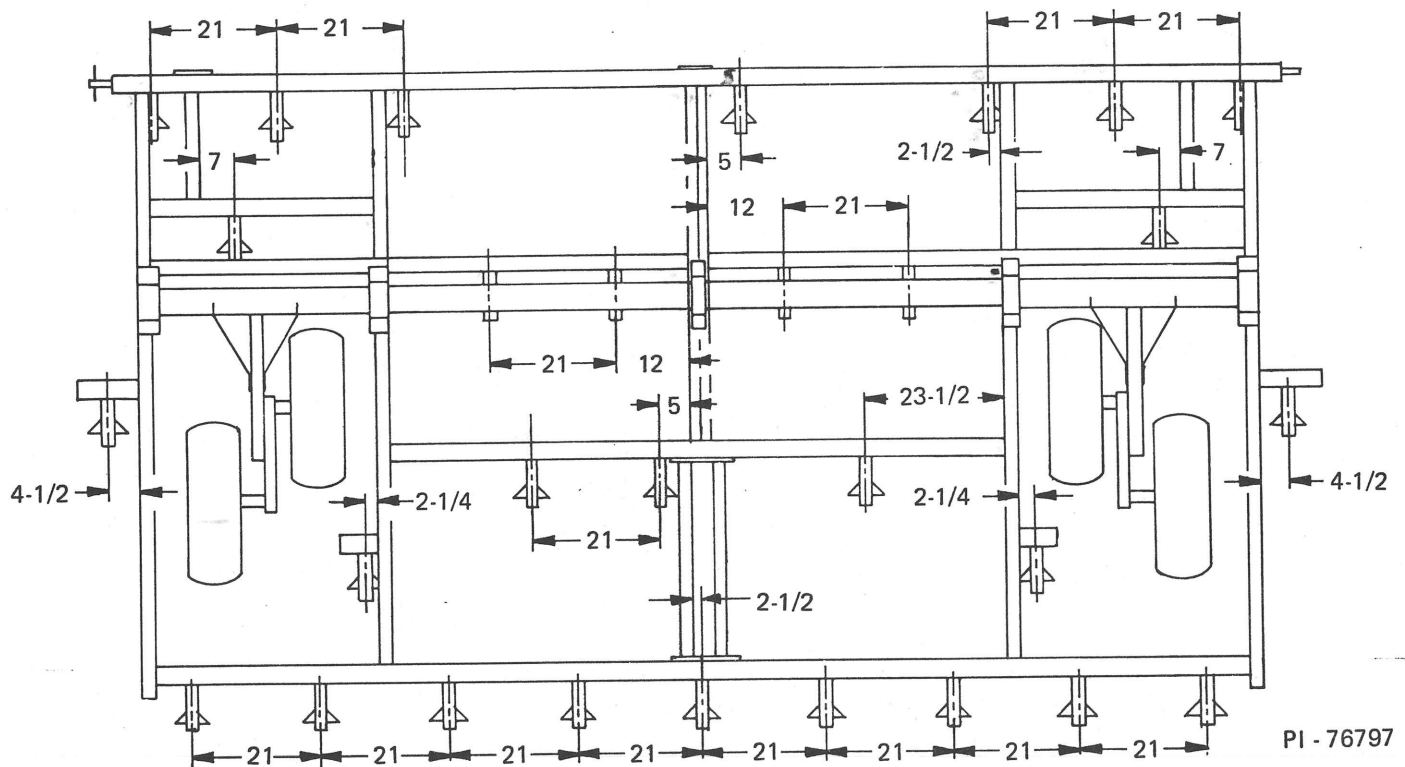


PI - 76763

SHANK PLACEMENTS



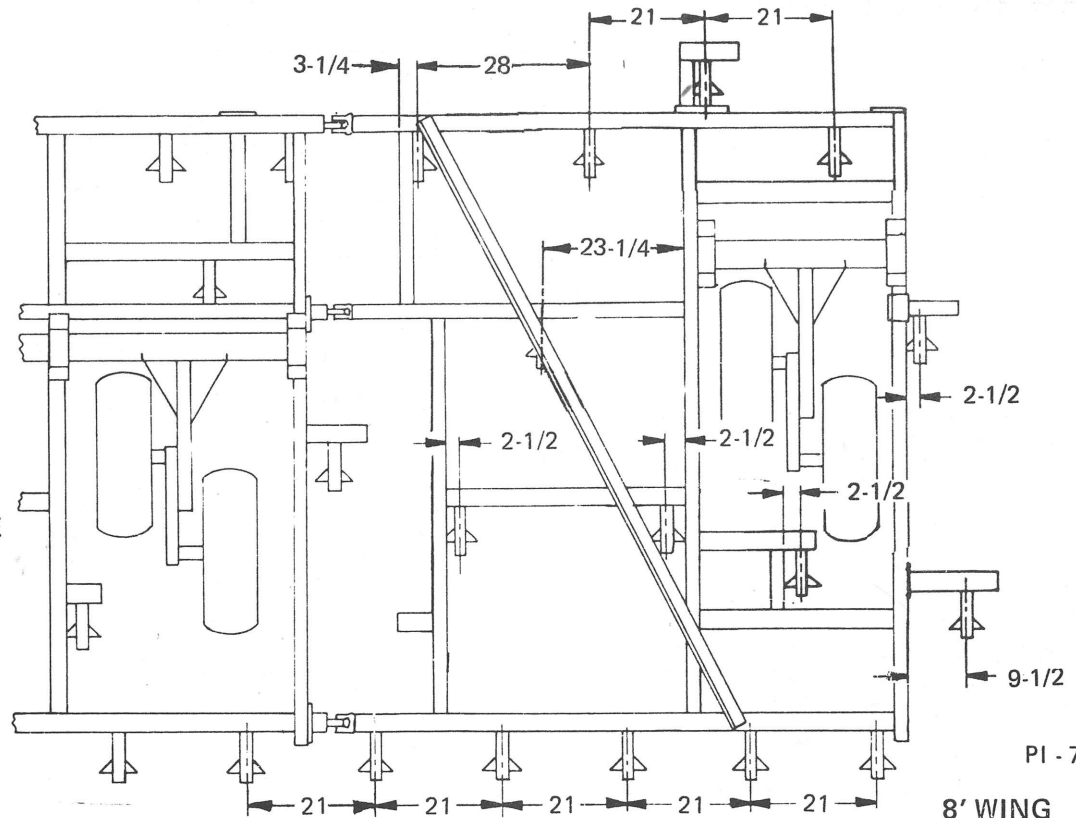
3430 MAIN FRAME
(7" SPACING)



3470 MAIN FRAME
(7" SPACING)

SHANK PLACEMENTS

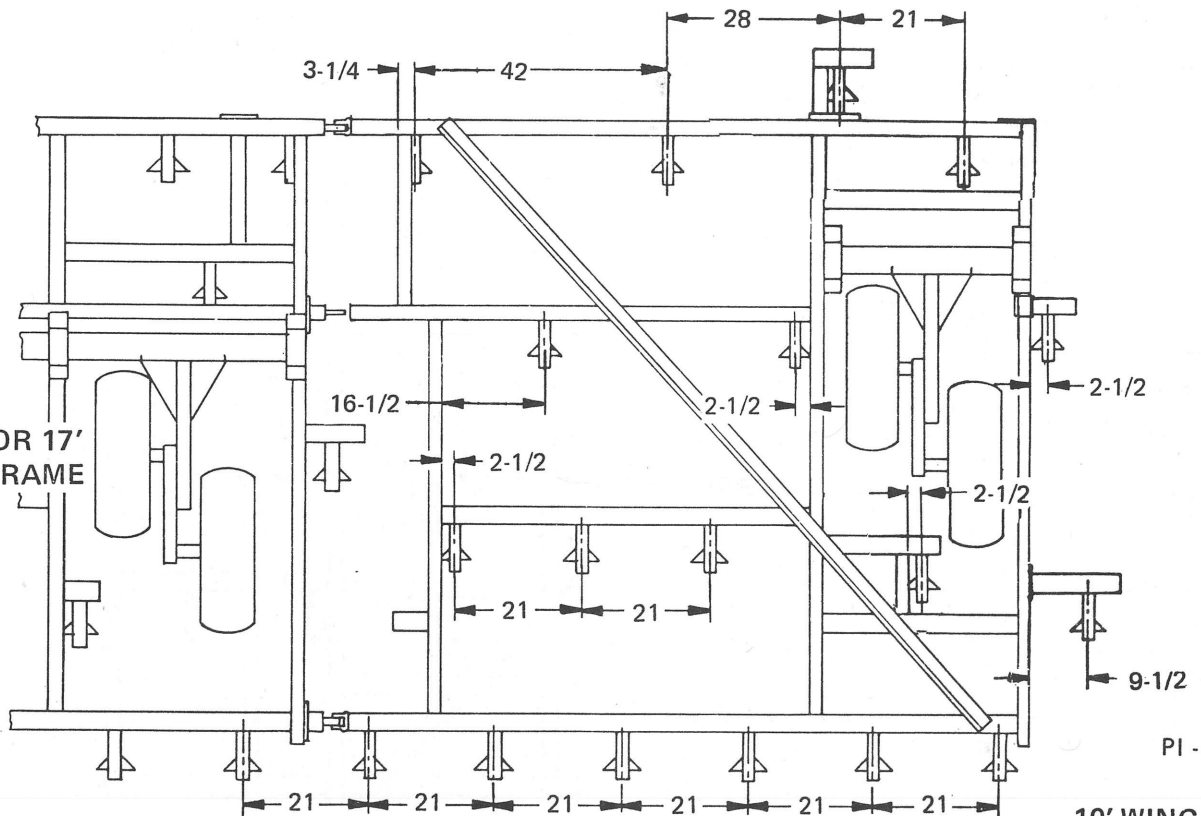
13' OR 17'
MAIN FRAME



PI - 76803

8' WING
(7" SPACING)

13' OR 17'
MAIN FRAME

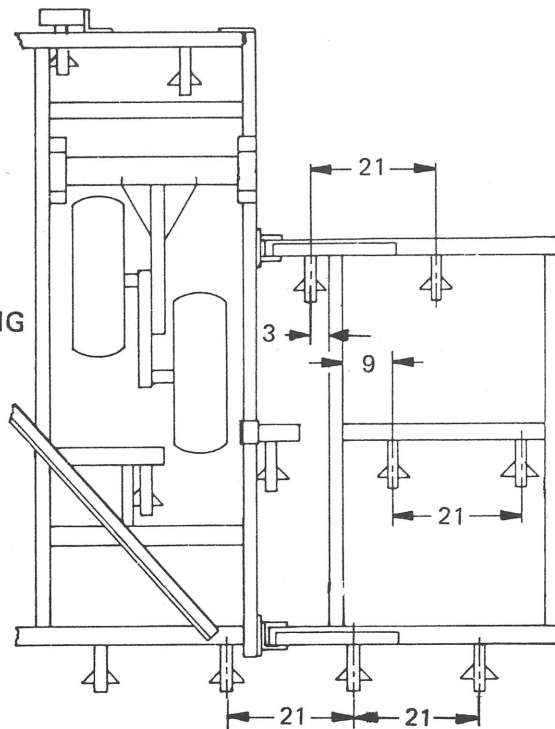


PI - 76801

10' WING
(7" SPACING)

SHANK PLACEMENTS

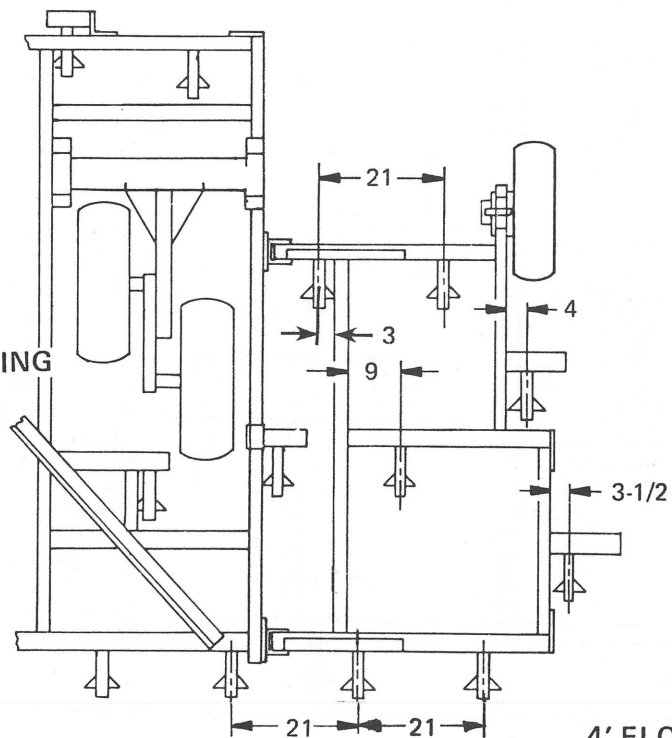
8' OR 10' WING



PI - 76809

3-1/2 WING
(7" SPACING)

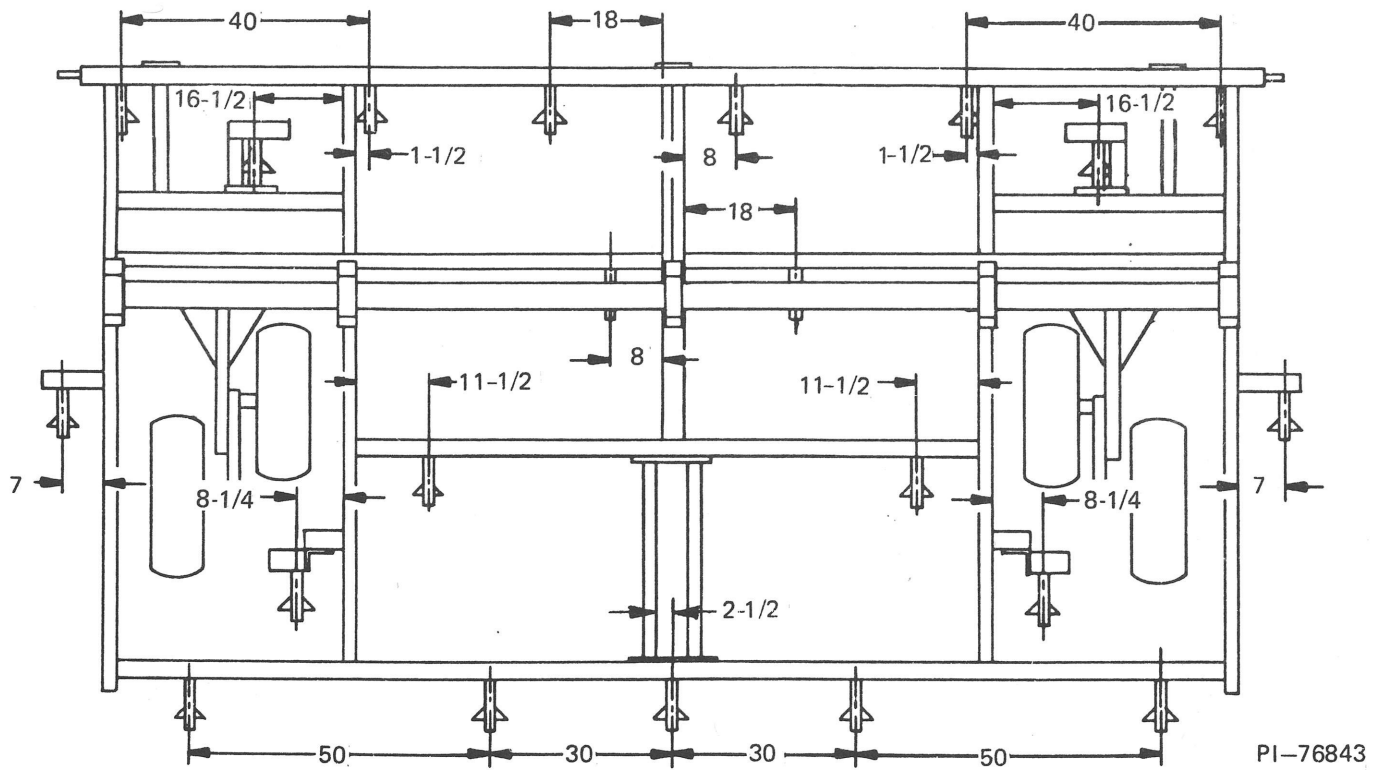
10' WING



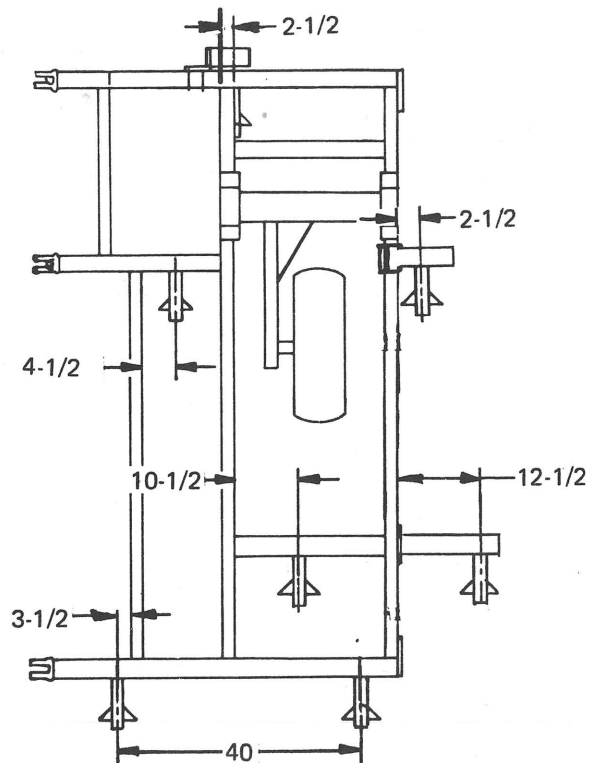
PI - 76805

4' FLOATING WING
(7" SPACING)

SHANK PLACEMENTS

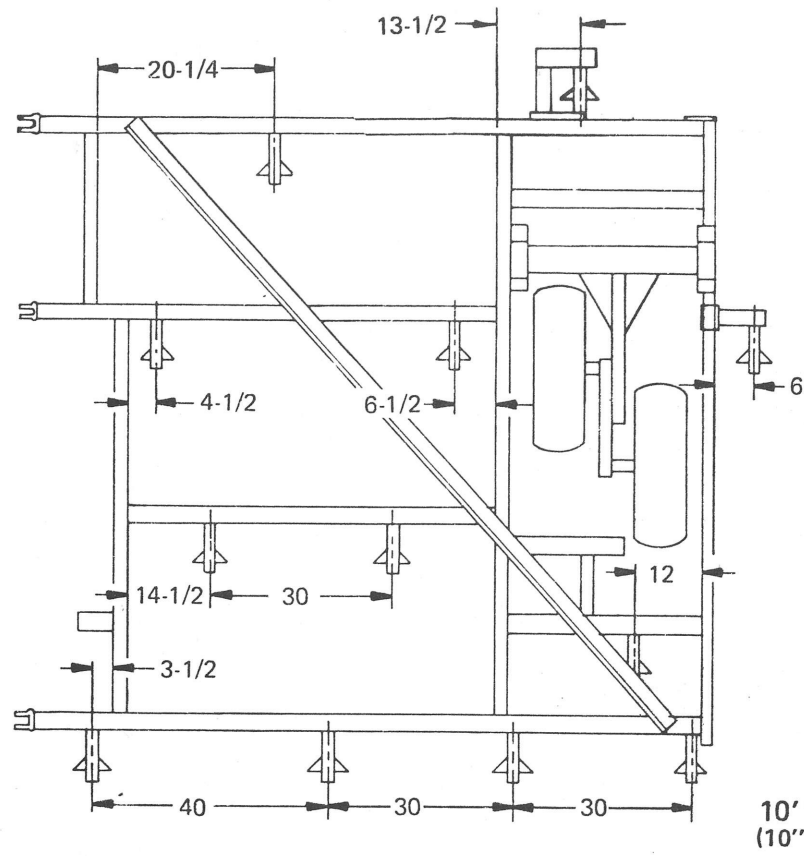


3470 MAIN FRAME
(10" SPACING)

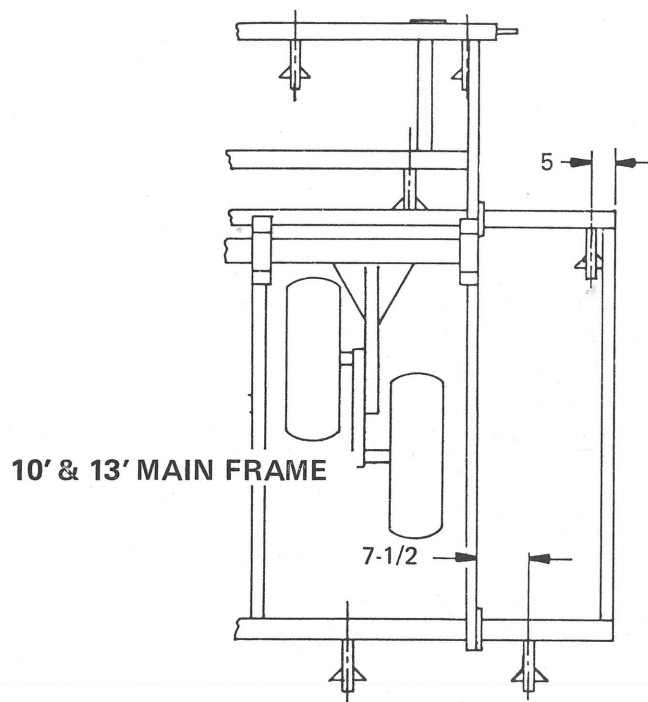


PI - 76798
5' WING WITH
15" EXTENSION
(10" SPACING)

SHANK PLACEMENTS



PI - 76800



1' WING
(10'' SPACING)

PI - 76804

SHANK PLACEMENTS

