

ASSEMBLY INSTRUCTIONS

WIL-RICH 4800 CHISEL PLOW

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 must 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 must 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 must be re-checked after a few hours of operation.

GRADE 2		GRADE 5		GRADE 8		
						
TORQUE IN FOOT POUNDS						
BOLT DIA	3/8	1/2	5/8	3/4	7/8	1
HEXHEAD	9/16	3/4	15/16	1-1/8	1-5/16	1-1/2
UNCGR2	18	45	89	160	252	320
UNCGR5	30	68	140	240	360	544
UNCGR8	40	100	195	340	528	792
UNFGR2	21	51	102	178	272	368
UNFGR5	32	70	168	264	392	572
UNFGR8	48	112	216	368	792	840

TORQUE.EPS

 **CAUTION**

TO AVOID INJURY AND/OR MACHINE DAMAGE:

- Refer to Operator's Manual for safety instructions.
- Do not stand or climb on machine when operating.
- Use clean hazard flashers and SMV sign when transporting.
- Observe highway traffic regulations.

23325

ASSEMBLY INFORMATION


When replacing a bolt, use only a bolt of the same grade or higher. Except in shear bolt applications, where you must use the same grade bolt.

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.

All U-bolts are grade 5.



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

 **CAUTION**

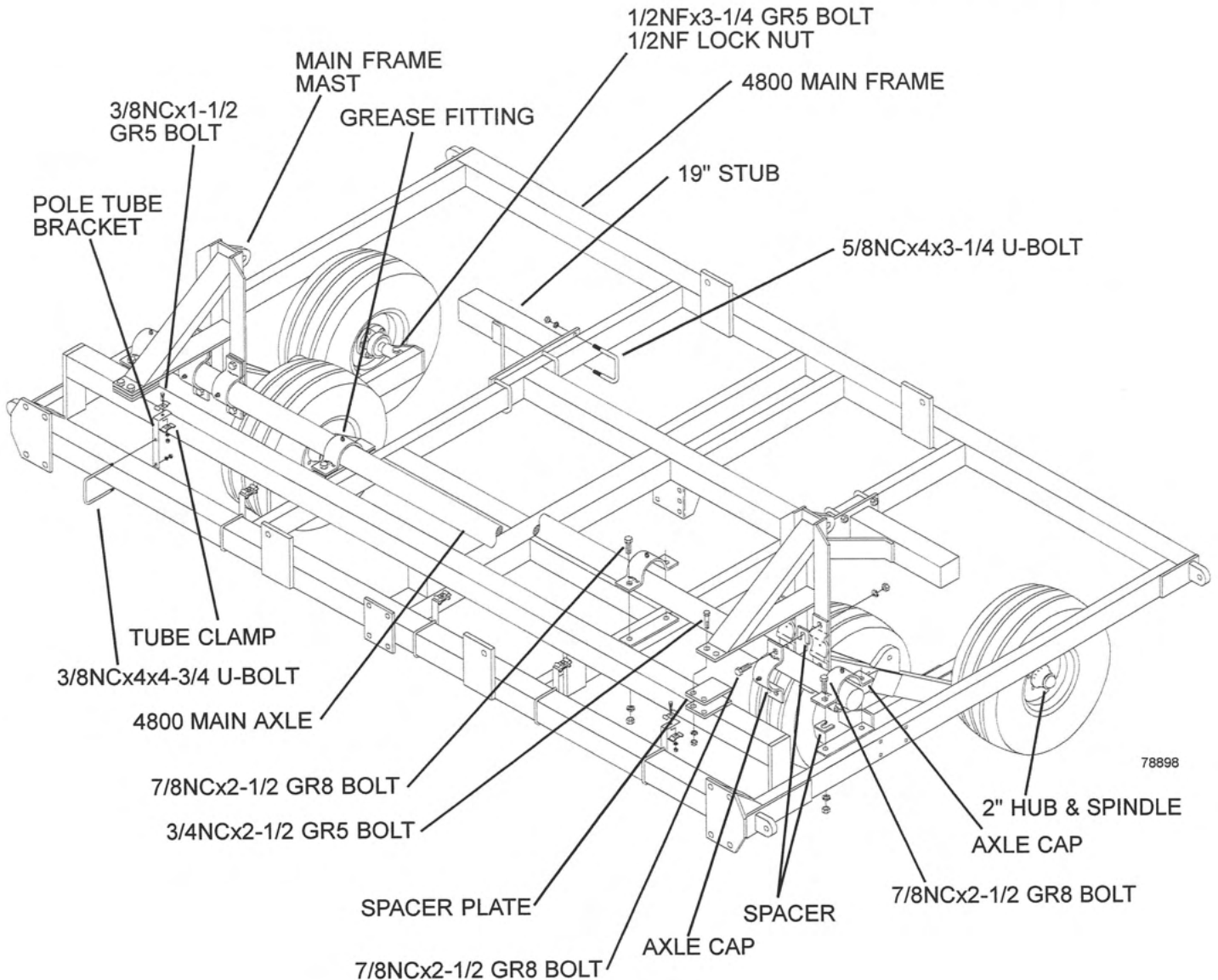
Failure to follow these instructions may result in personal injury and/or equipment damage.

- Just before and during operation be sure no one is on or around the implement.
- Before activating the hydraulic system, check hoses for proper connections.
- Before lowering the wings for the first time, make sure the entire system has been charged with oil.
- With wings down always install hydraulic cylinder channel lock(s) for transporting.

54374

13' MAIN FRAME for 4' & 6' WINGS

Note: See shank placement pages for correct locations of all add-on stubs.



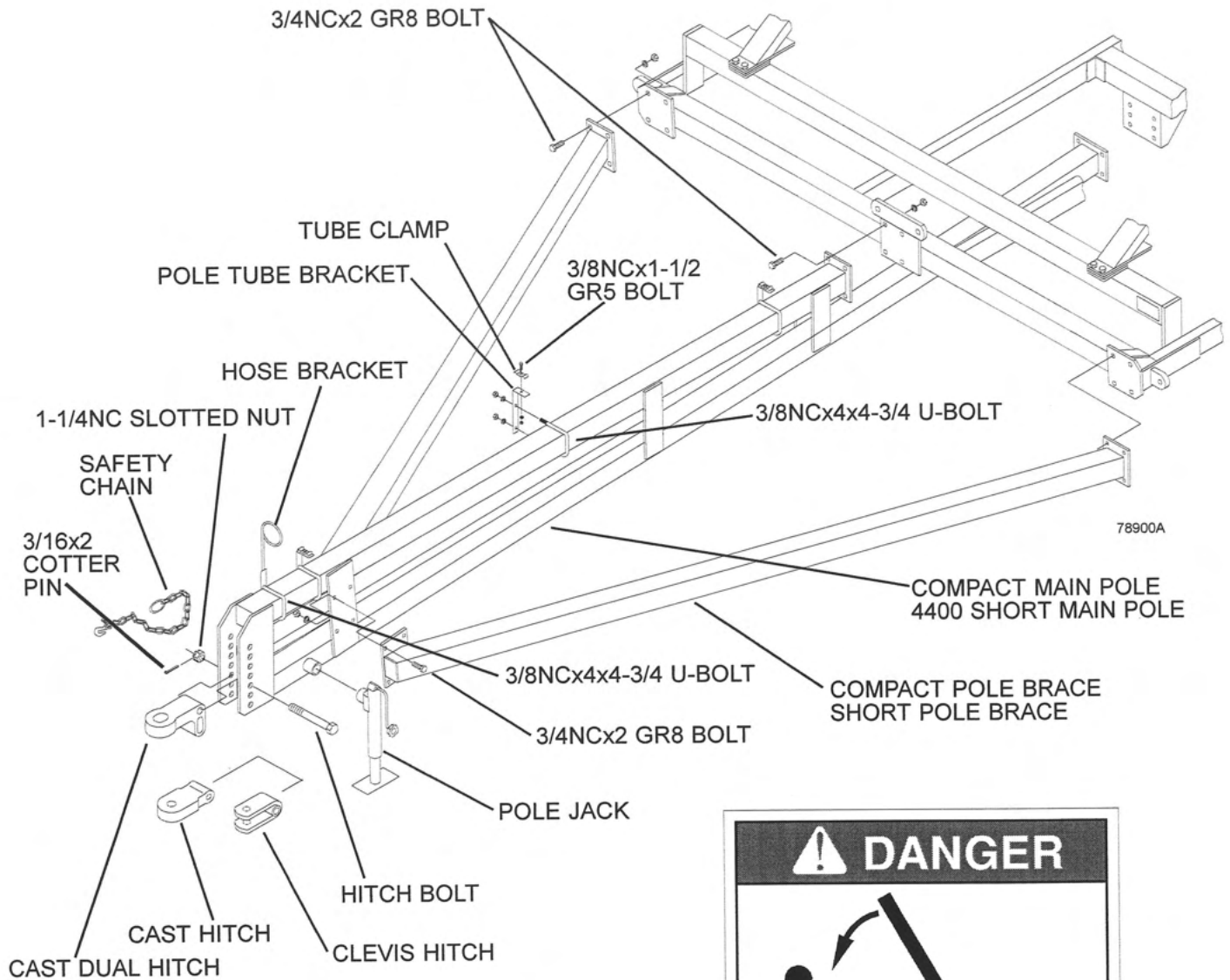
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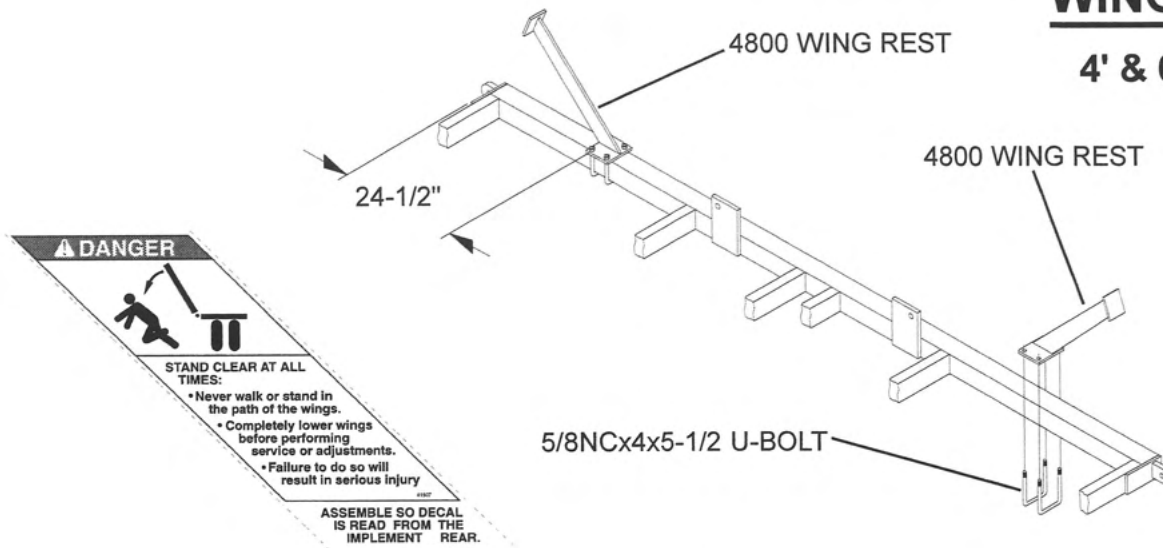
23325

10' SHORT POLE



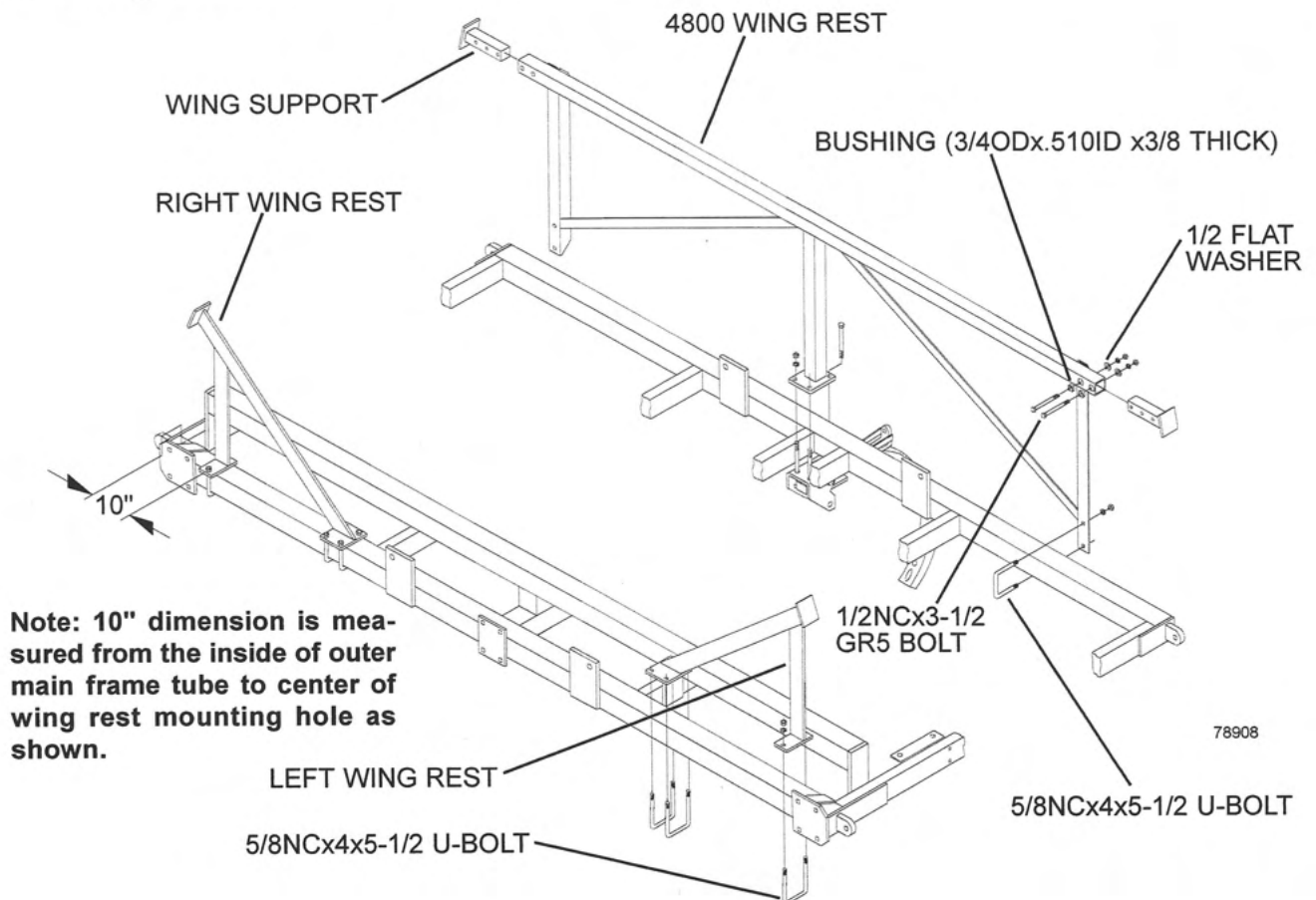
WING REST

4' & 6' WINGS



NOTE: See page 17 for Wing Support mounting location.

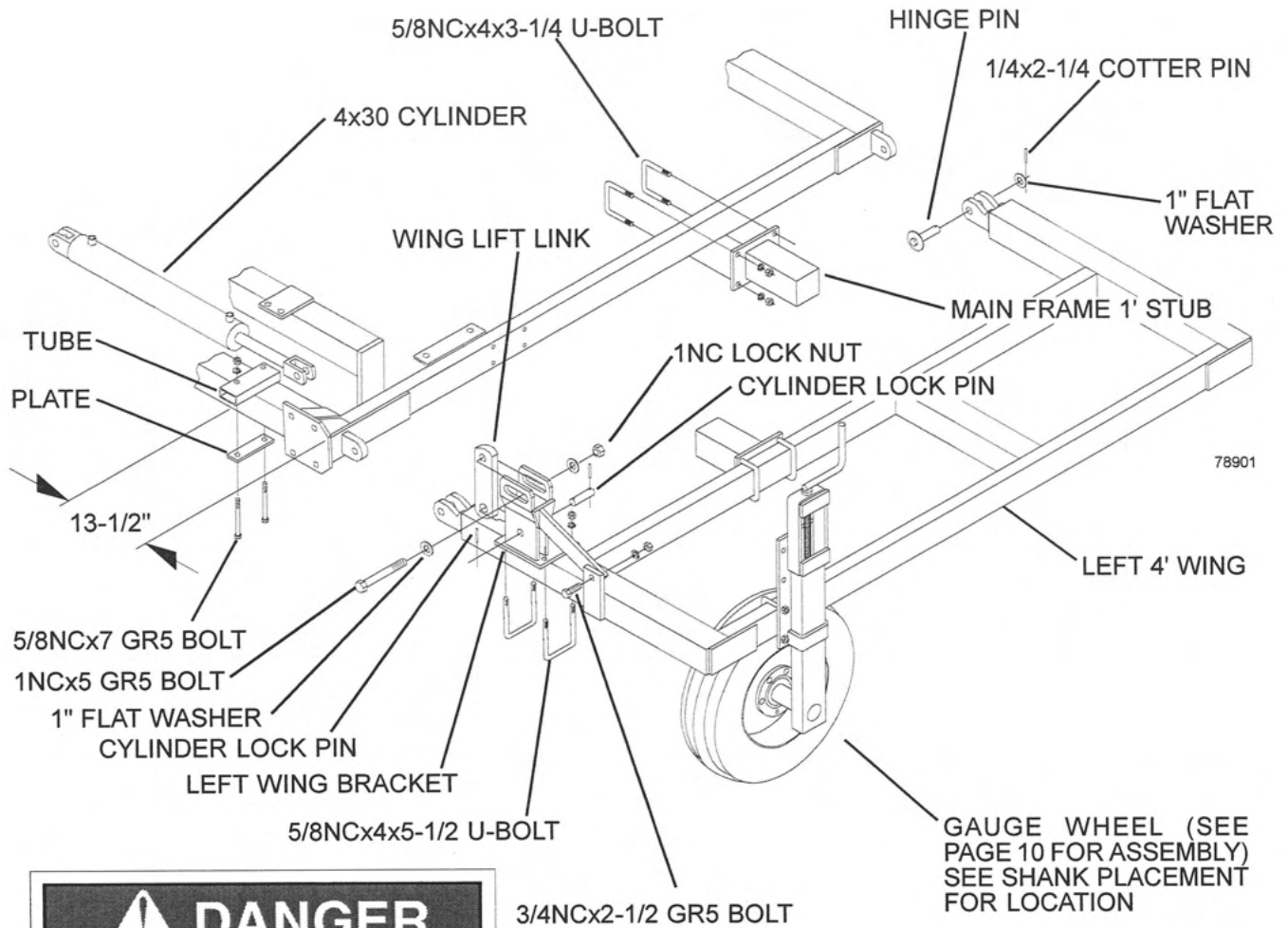
9' & 12' WINGS



	⚠ DANGER STAND CLEAR AT ALL TIMES: • Never walk or stand in the path of the wings. • Completely lower the wings before performing service or adjustments. • Failure to do so will result in serious injury or death.	ASSEMBLE SO DECAL IS READ FROM THE IMPLEMENT REAR.
	41508	

4' WING

Note: See shank placement pages for correct locations of all add-on stubs.



DANGER

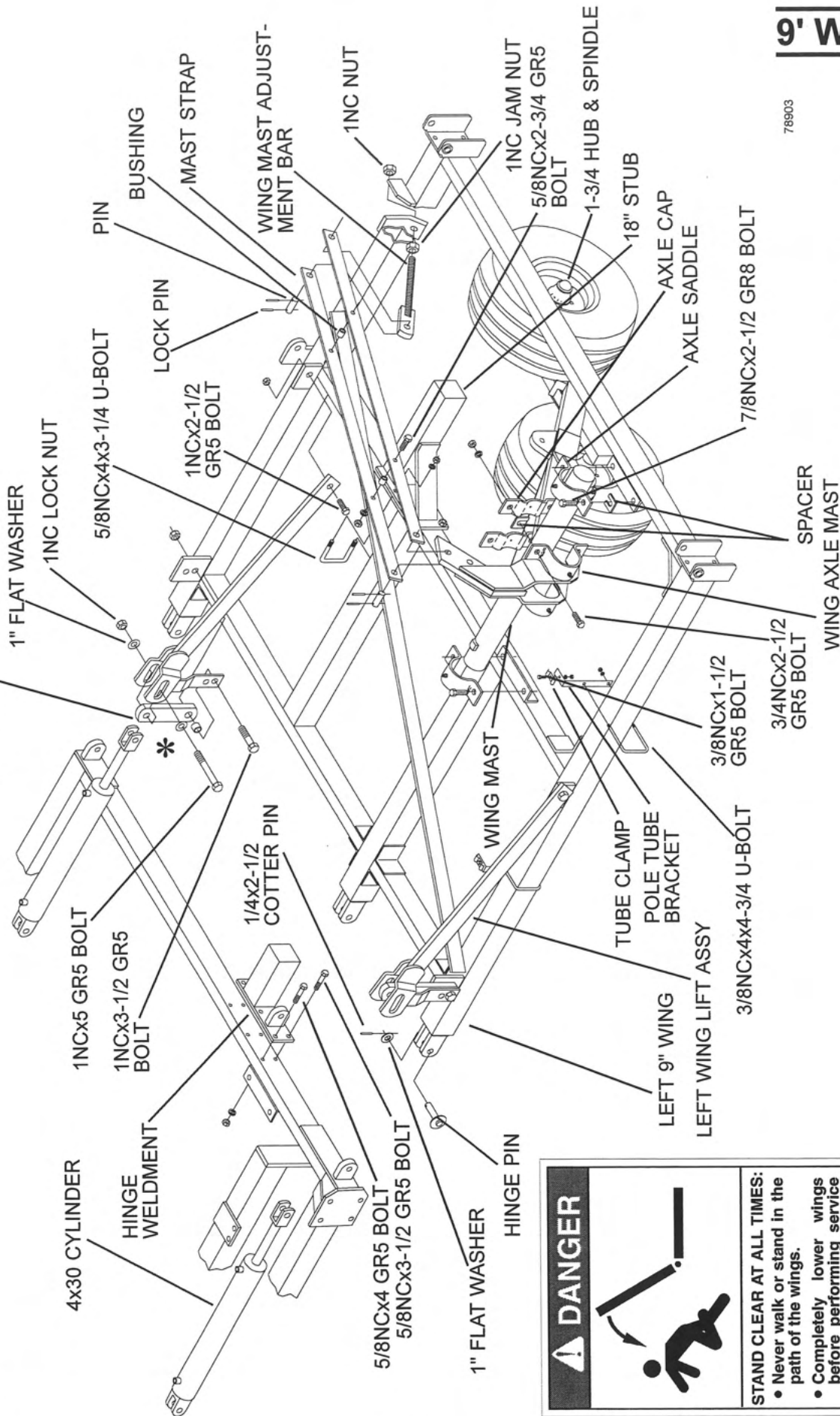
STAND CLEAR AT ALL TIMES:

- Never walk or stand in the path of the wings.
- Completely lower wings before performing service or adjustments.
- Failure to do so will result in serious injury or death.

22128

9' WING

FOR WING LIFT COMPONENTS AND SPECIFIC BOLT(*) SIZES, SEE PAGE 17.



9' WING

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Note: See shank placement pages for correct locations of all add-on stubs.

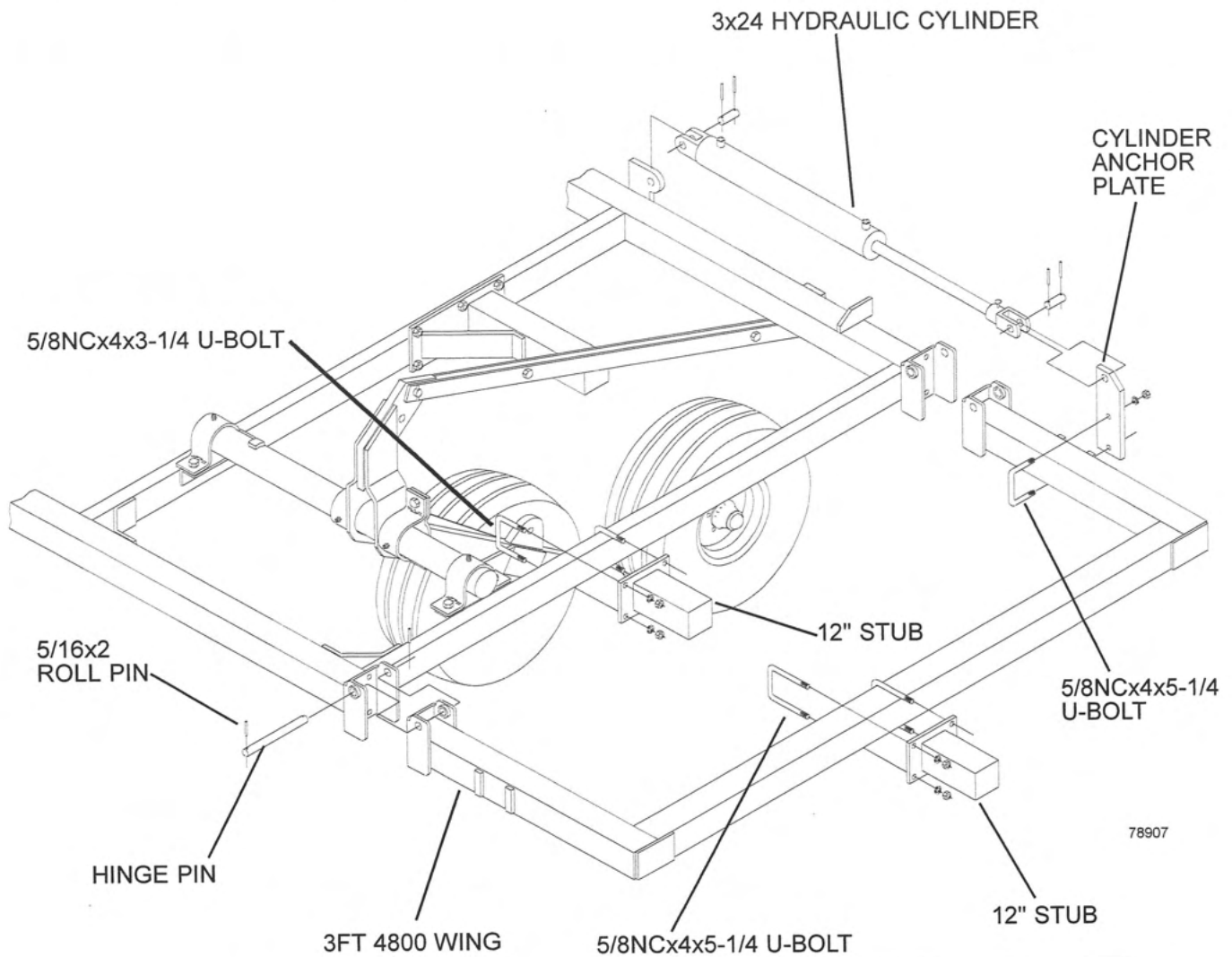
DANGER

STAND CLEAR AT ALL TIMES:

- Never walk or stand in the path of the wings.
- Completely lower wings before performing service or adjustments.
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3' OUTER WING

Note: See shank placement pages for correct locations of all add-on stubs.



**DANGER**

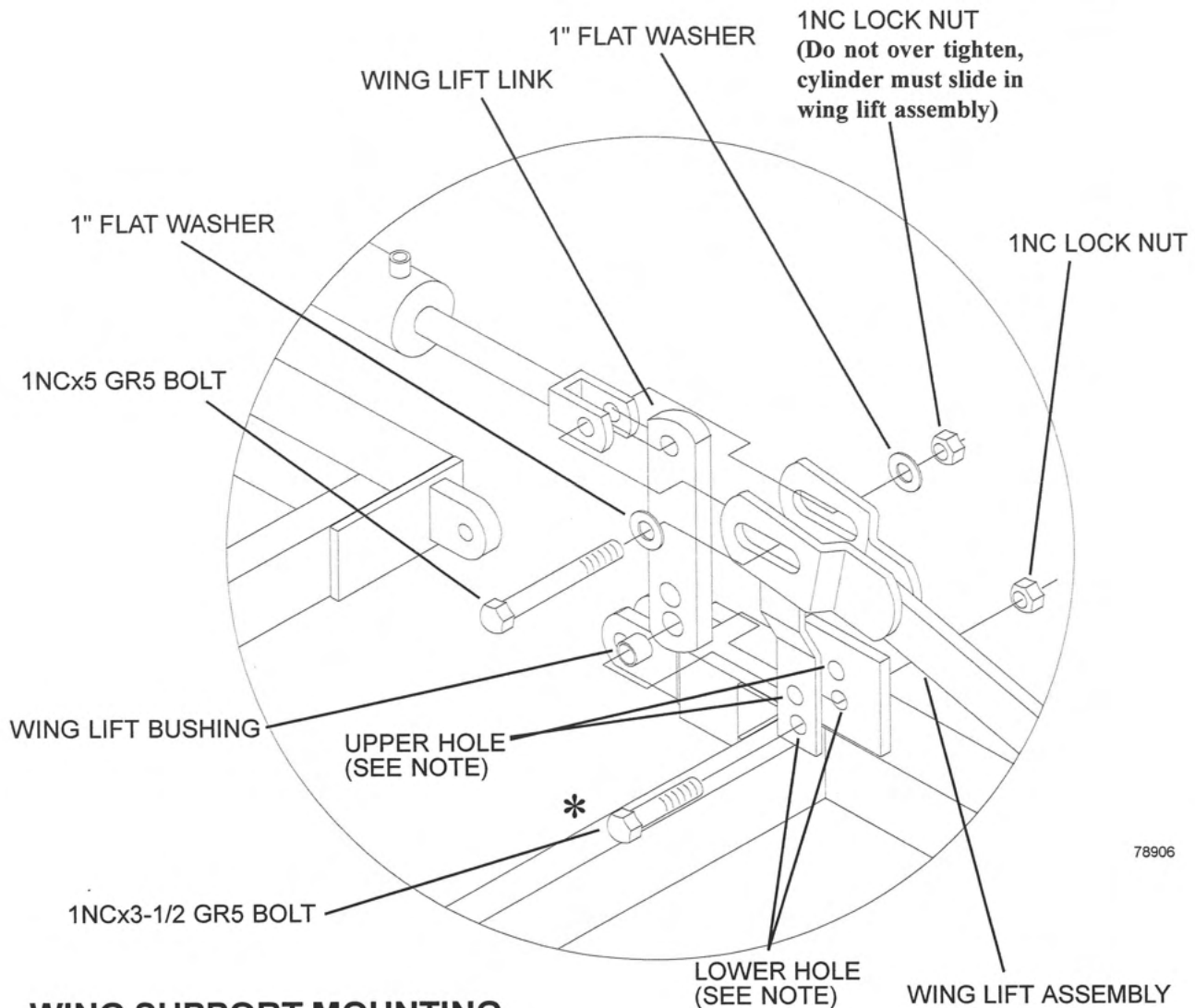


STAND CLEAR AT ALL TIMES:

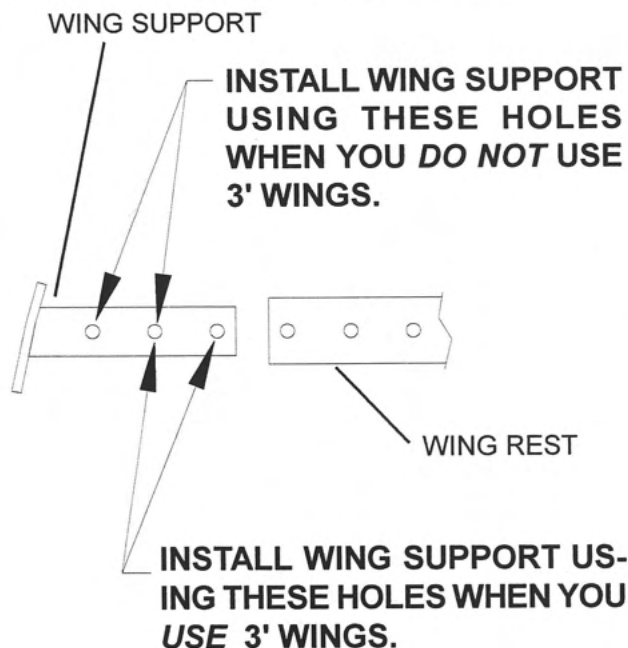
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22128

WING LIFT COMPONENTS



WING SUPPORT MOUNTING



IF YOU ARE NOT USING A 3' OUTER WING

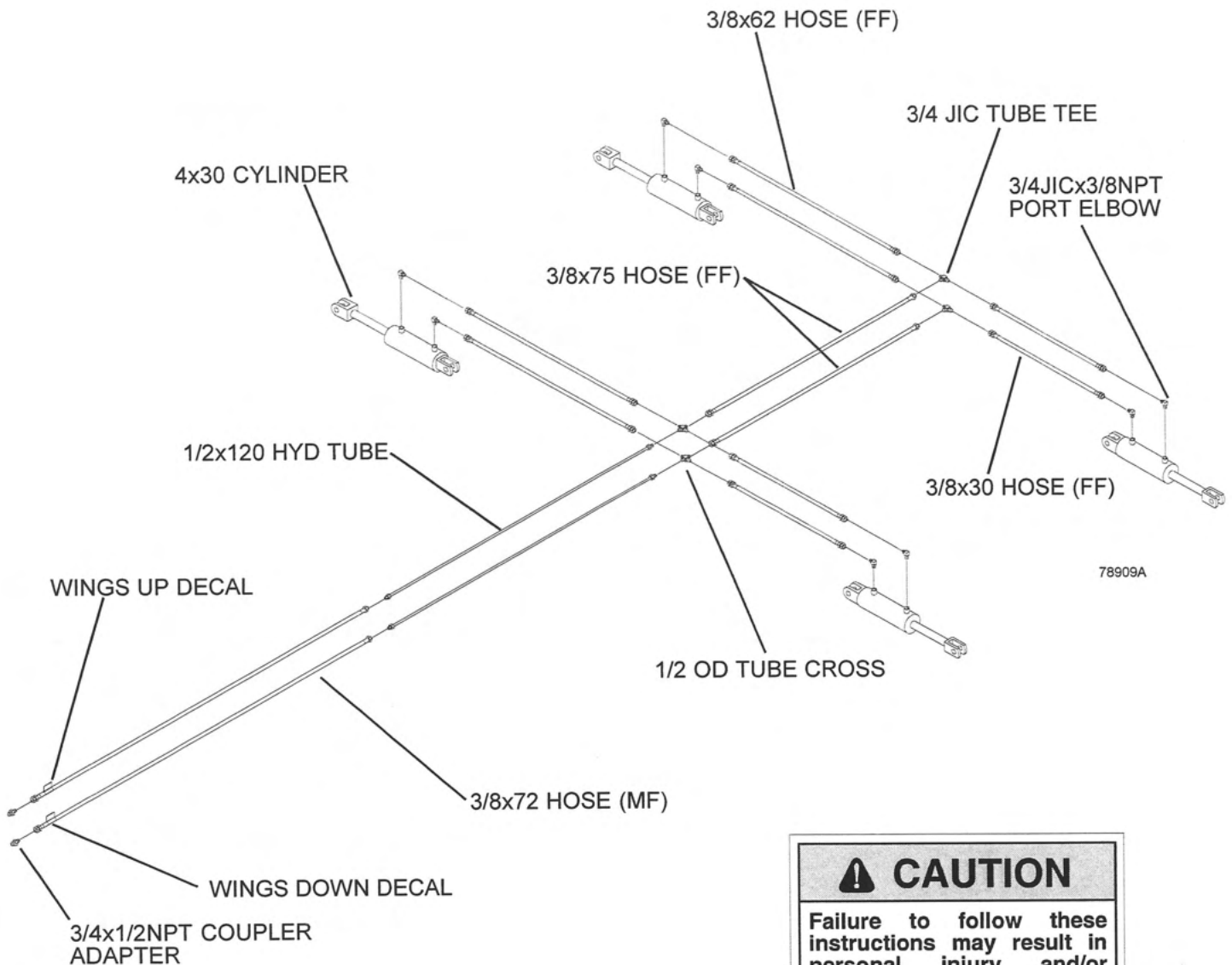
Note: Assemble Wing Lift Link & 1NCx3-1/2 GR5 Bolt (*) in the top hole of the Wing Lift Assembly, Wing Lift Link & Wing.

IF YOU ARE USING A 3' OUTER WING

Note: Assemble Wing Lift Bushing & 1NCx3-1/2 GR5 Bolt (*) in the bottom hole of the Wing Lift Assembly, Wing Lift Link and Wing.

13' MF WING LIFT HYDRAULICS

SHORT POLE



⚠ CAUTION

Failure to follow these instructions may result in personal injury and/or equipment damage.

- Just before and during operation be sure no one is on or around the implement.
- Before activating the hydraulic system, check hoses for proper connections.
- Before lowering the wings for the first time, make sure the entire system has been charged with oil.
- With wings down always install hydraulic cylinder channel lock(s) for transporting.

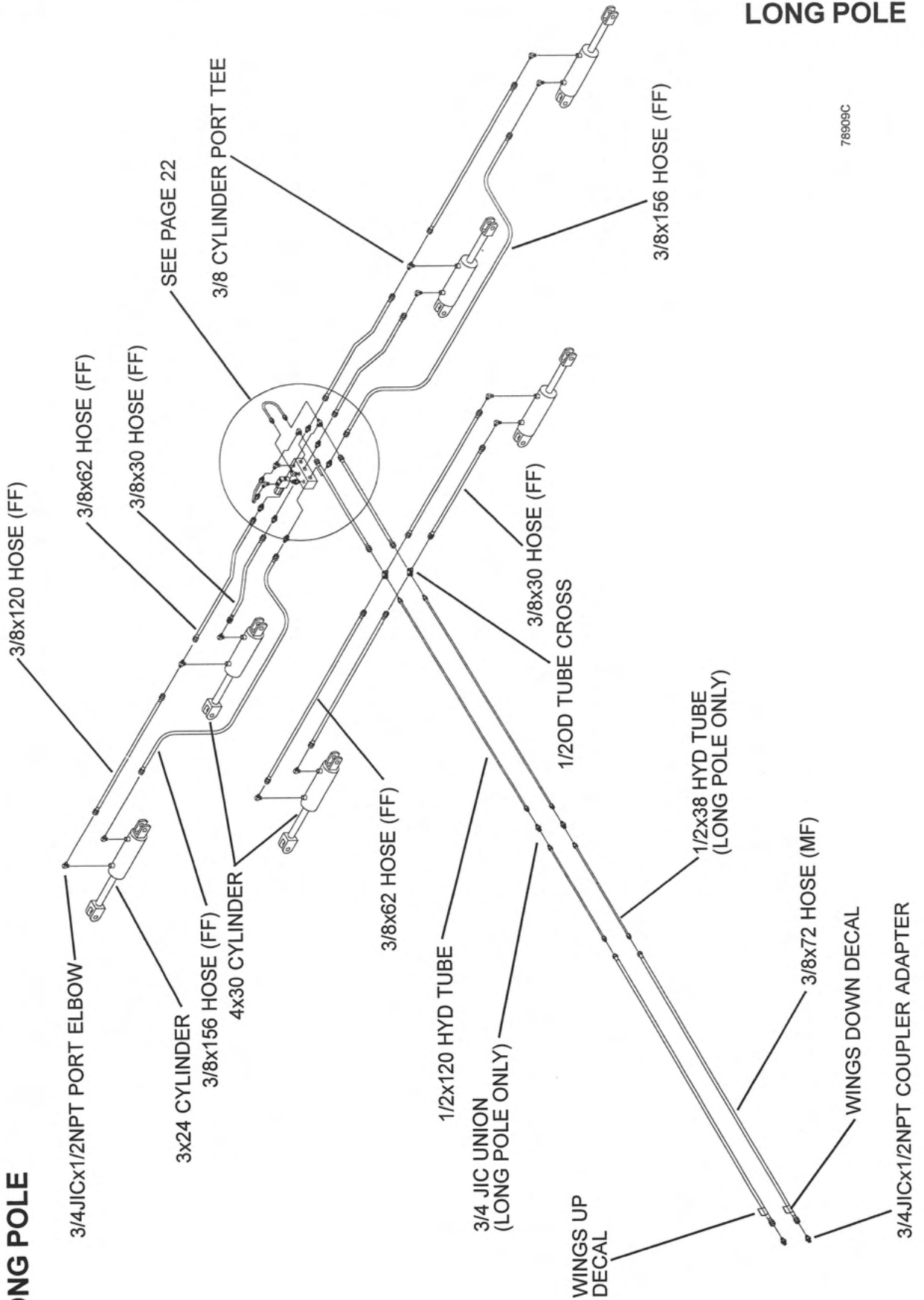
54374

13' MF WING LIFT HYDRAULICS W/ 3' OUTER WING

LONG POLE

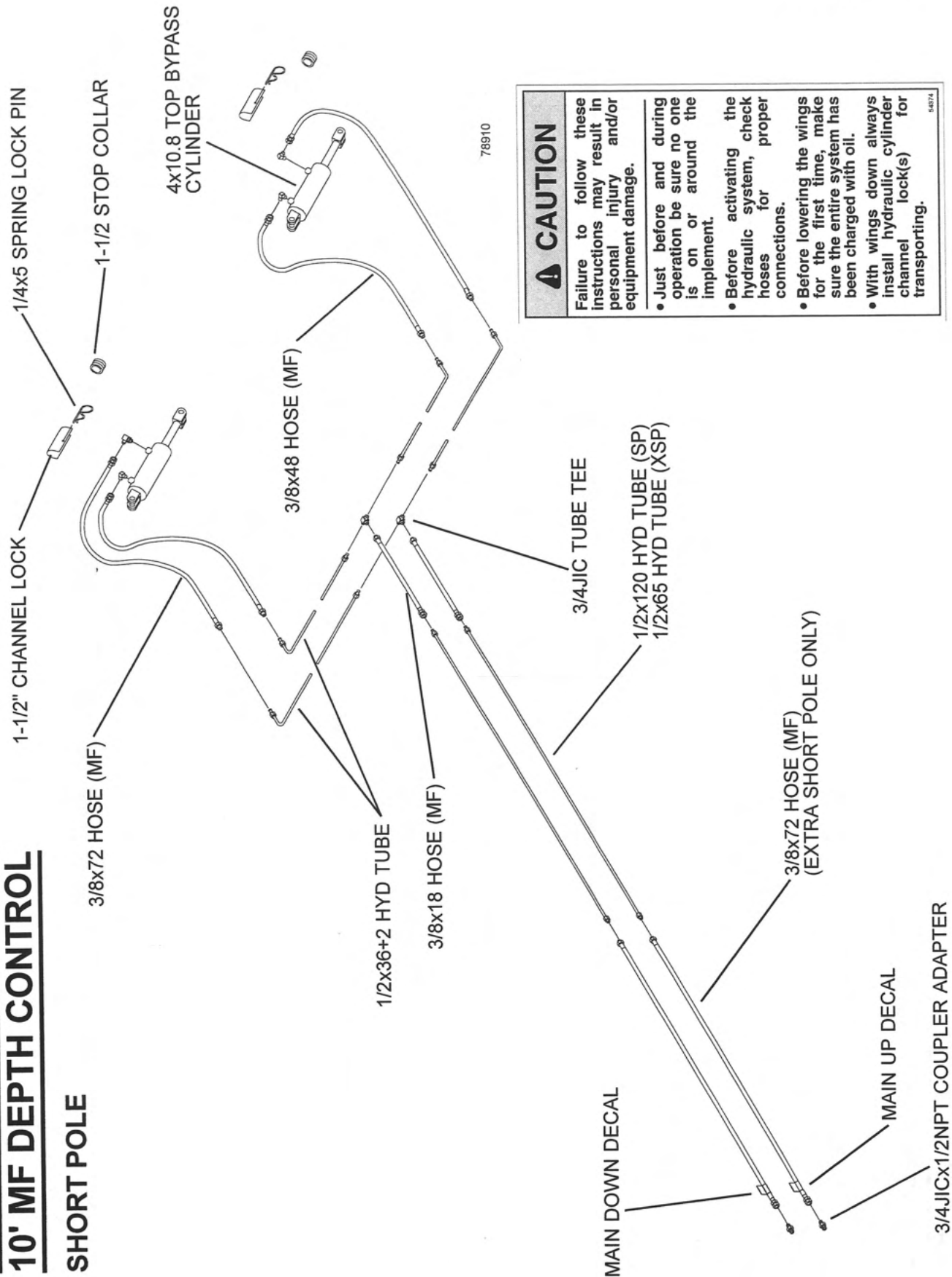
13' MF WING LIFT HYDRAULICS W/ 3' OUTER WING

LONG POLE



10' MF DEPTH CONTROL

SHORT POLE



CAUTION

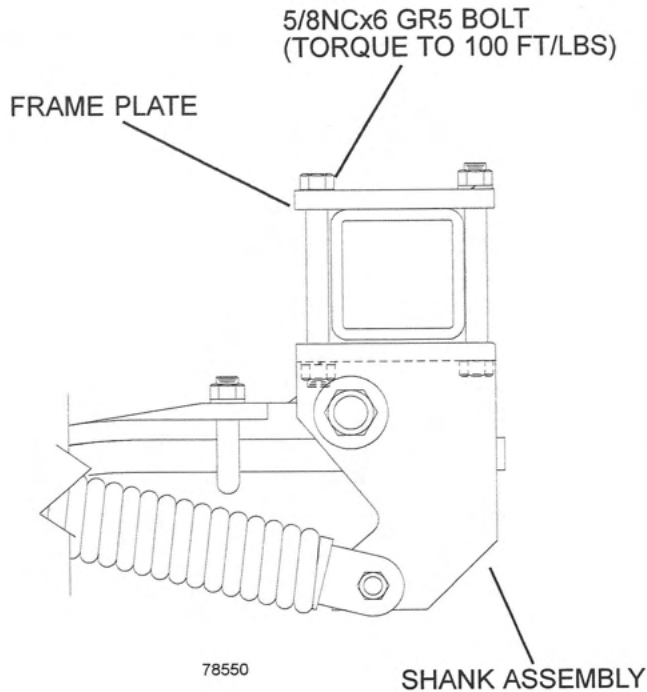
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6' WING

6' WING

SHANK ASSEMBLY



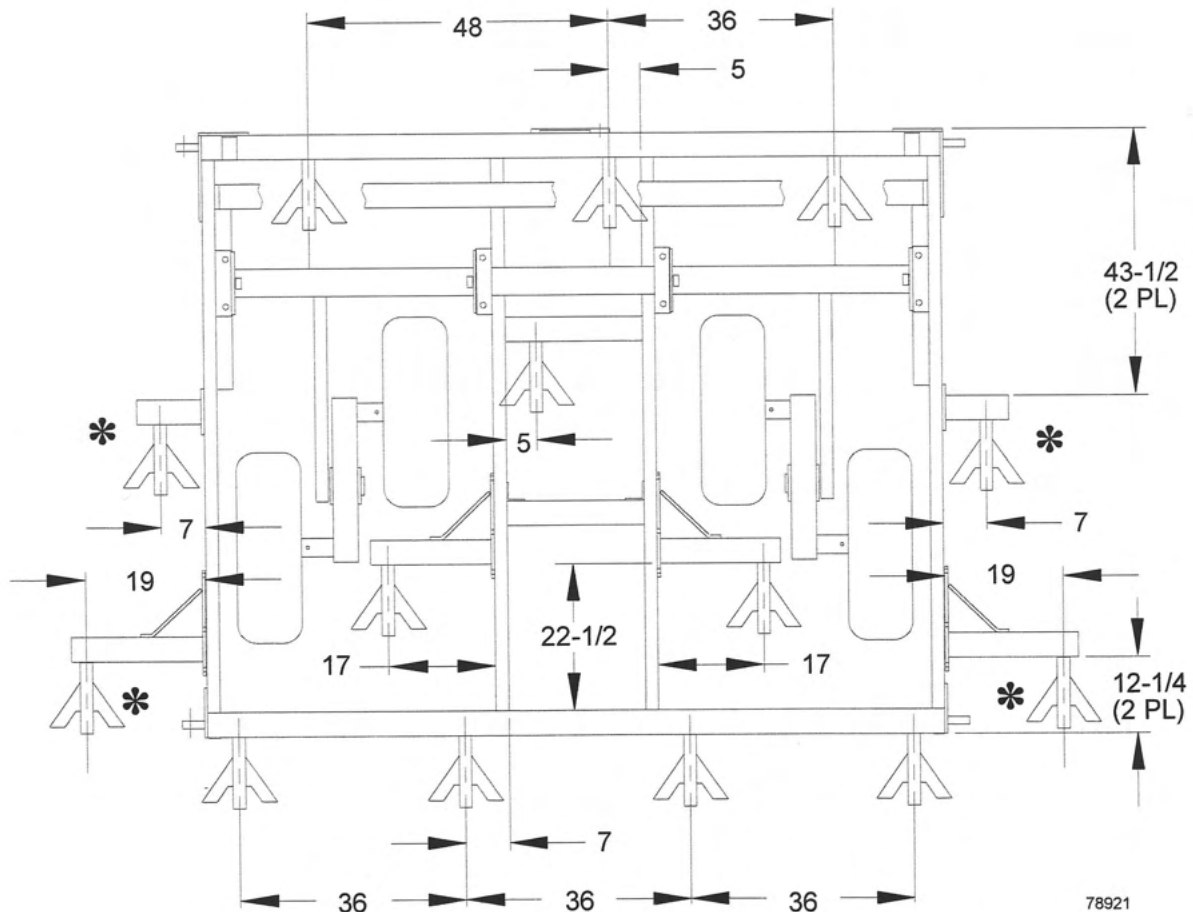
1. For ease of installation loosely assemble the frame plate to the shank assembly with the two rear bolts (Note direction of bolts).

Note: If access to air or impact wrench is not available, for ease of tightening it is suggested that the four mounting bolts be installed with nuts on top.

2. Slide entire assembly onto frame then install front two mounting bolts (shank should then hang by itself).
3. To allow for tripping, shank assembly must have a minimum of five inches side clearance, measured from the center of the shank assembly.
4. When proper location of the shank assembly is reached tighten all four mounting bolts securely.

SHANK PLACEMENTS

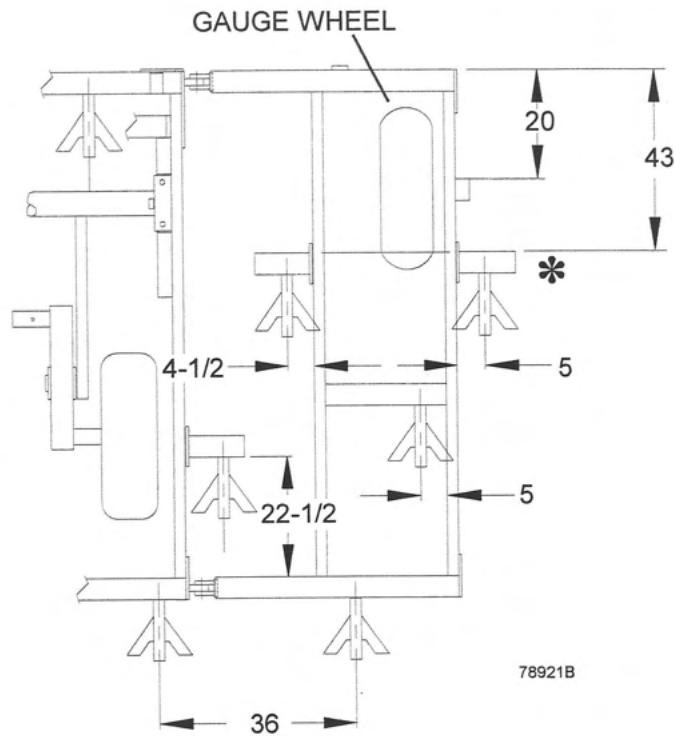
10 FT MAIN FRAME



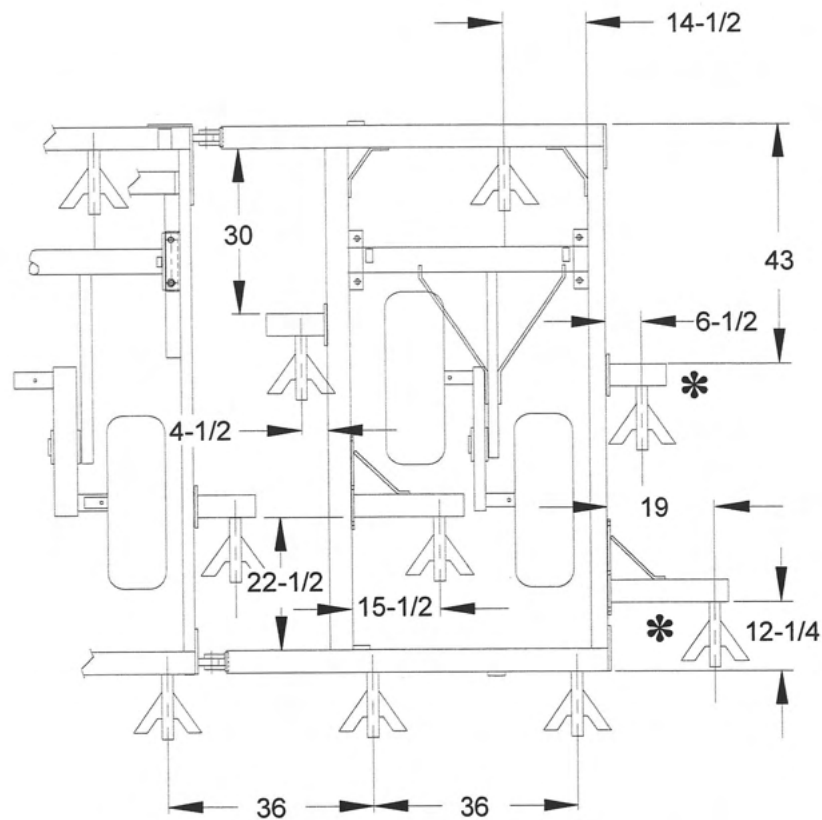
* - Stubs indicated are additions to the main frame.

SHANK PLACEMENT

4FT WING



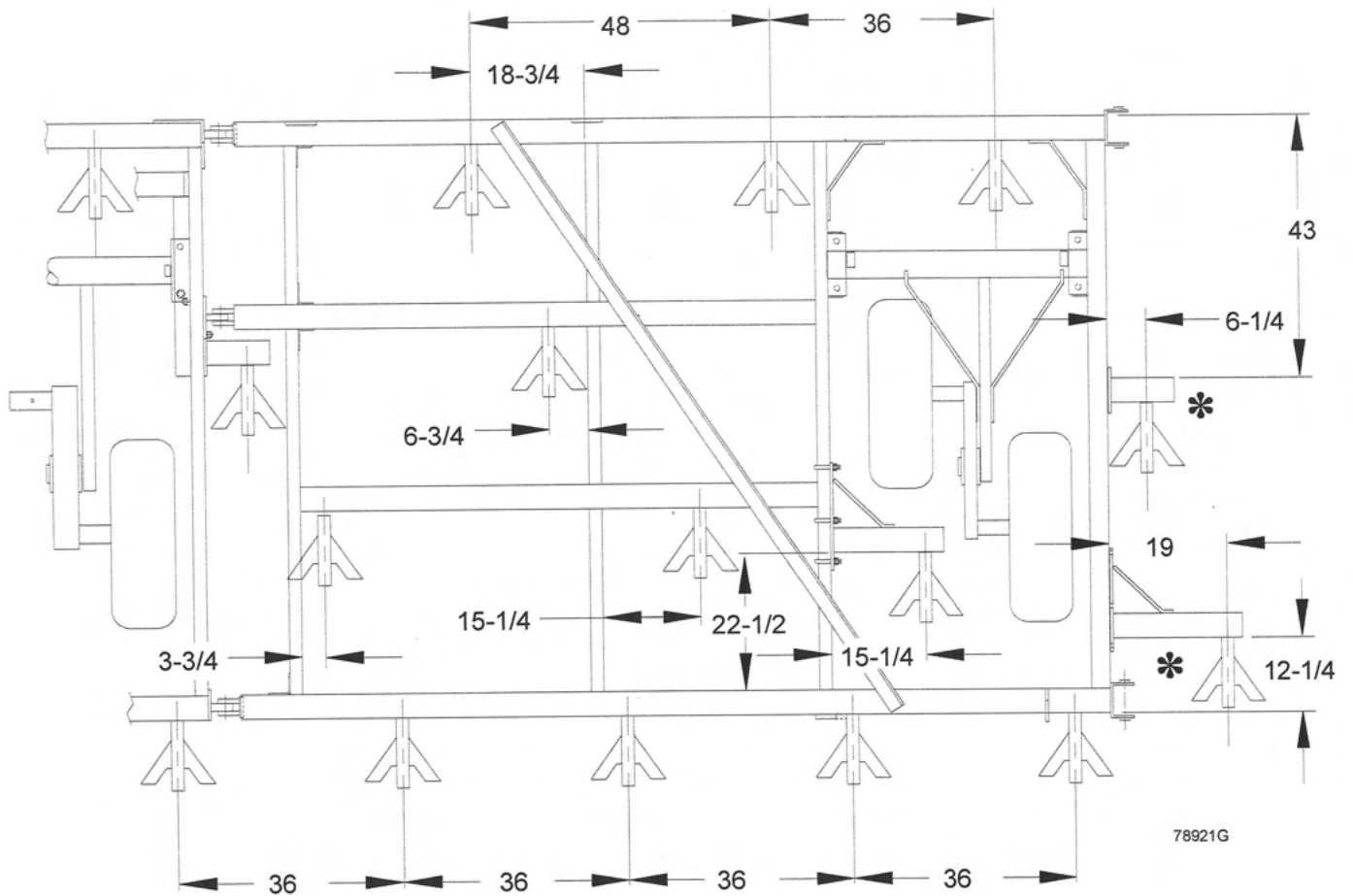
6FT WING



* - Stubs indicated are additions to the base wing.

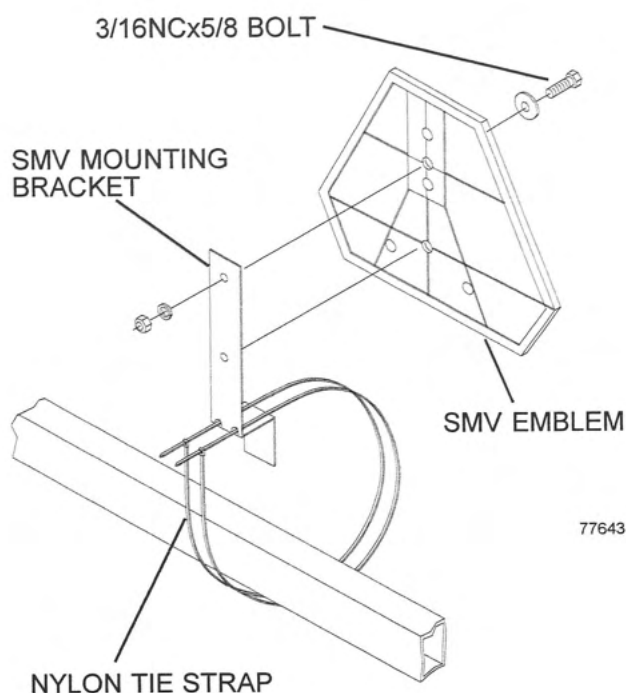
SHANK PLACEMENT

12FT WING



* - Stubs indicated are additions to the base wing.

SAFETY



The bracket provided is designed to mount to numerous frame sizes and can be mounted in different positions to avoid interference with implement components.

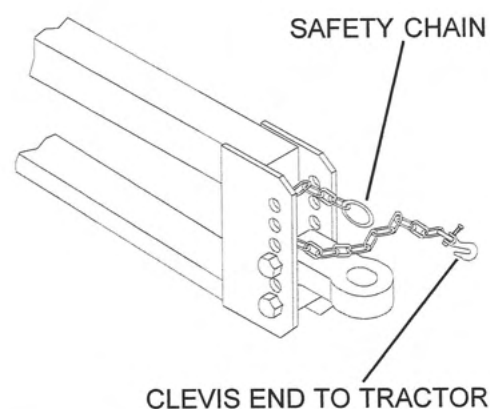
The SMV emblem is to be secured as near to the rear and centered or as near to the left of center of the implement as practical.

The emblem is to be 2 to 6 feet above the ground measured from the lower edge of the emblem.

Keep safety decals clean. Replace any safety decals that are damaged, destroyed, missing, painted over or can not longer be read. Replacement safety decals are available through your dealer.

The purpose of the safety chain is to provide an auxiliary attaching system to retain the connection between towing and towed machine in the event of separation of the primary attaching system.

The safety chain should be hooked long enough to permit full turns. Unnecessary slack should be taken up.



The intermediate support is to be used if there is more than 6" of unsupported chain on either side of the primary attaching point.

The intermediate support must not be mounted more than 6" from the primary attaching point (See figure below). The intermediate support is available from your **Wil-Rich** dealer.

