

Power Ox 220A Assembly

Go to <u>www.tilmor.com/resources</u> for complete parts list, additional resources and replacement part ordering.

Release Date: 12/11/2019 Document Number: 12-50003

Revision Number: 06

A Attention

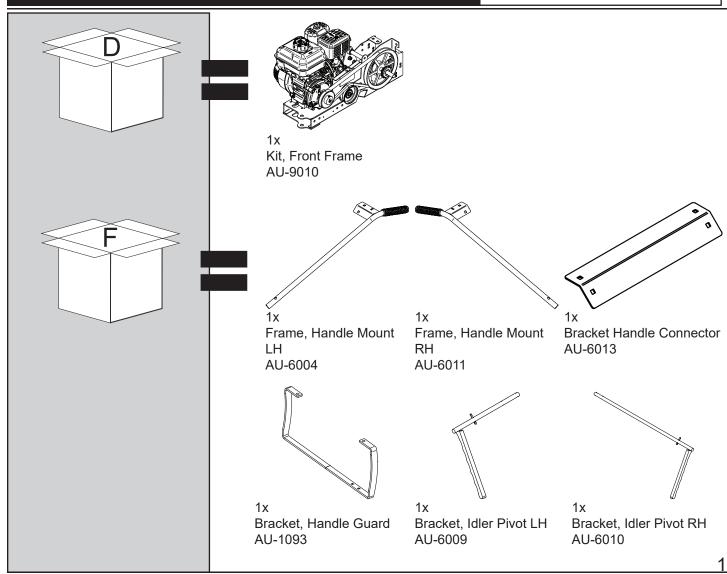
Review safety information before operation.

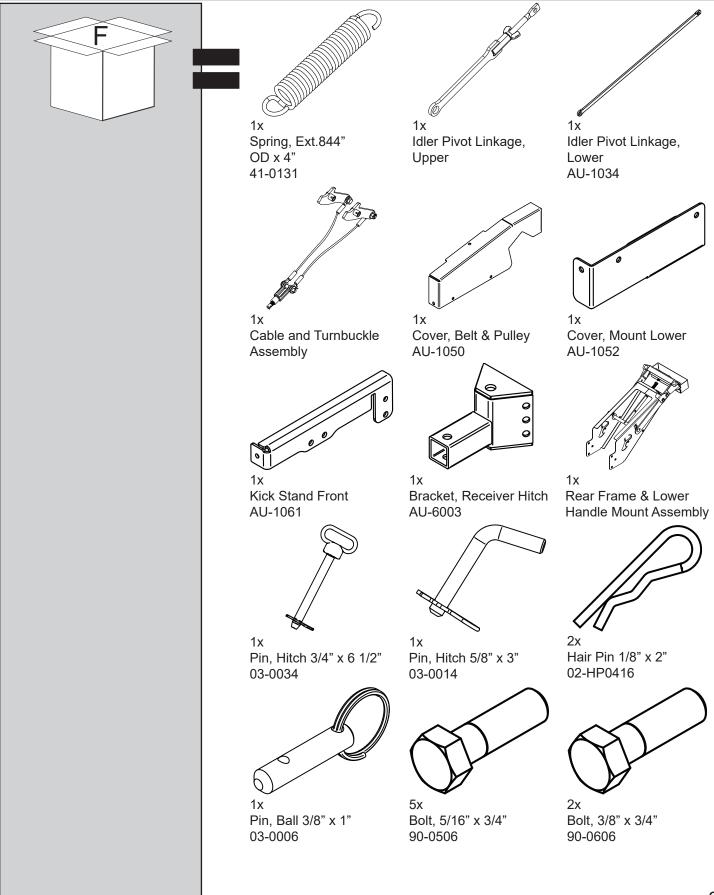
Installation Time (estimated)

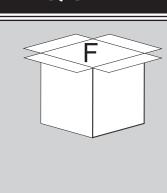
4 hours

Tools 1/4" Wrench 9/16" Wrench 7/16" Wrench 9/16" Socket 1/2" Wrench 9mm Wrench Torque Wrench Torque Screwdriver 1/8" Hex Key 3mm Hex Key

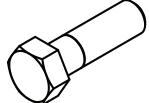
REQUIRED PARTS



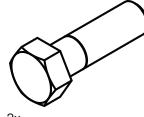








6x Bolt, 3/8" x 1" 90-0608



Bolt, 3/8" x 1-1/4" 90-0610



Washer, Flat 5/16" 95-05



11x Washer, Flat 3/8" 95-06



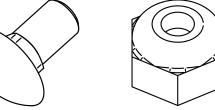
16x Bolt, Carriage 3/8" x 3/4" 97-0606



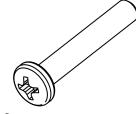
2x Bolt, Carriage 3/8" x 1" 97-0608



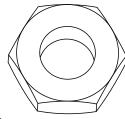
Bolt, Carriage 3/8" x 2 1/2" 97-0620



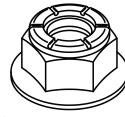
Locknut, Nylon #8-32 99-E0133



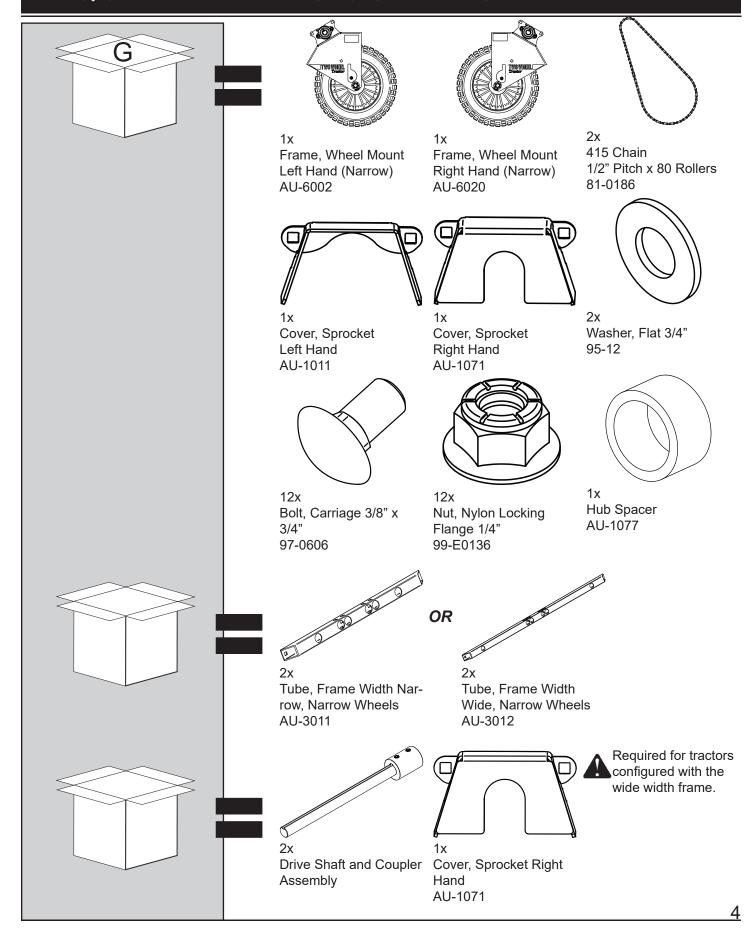
Machine Screw #8-32 X 1 99-K0044

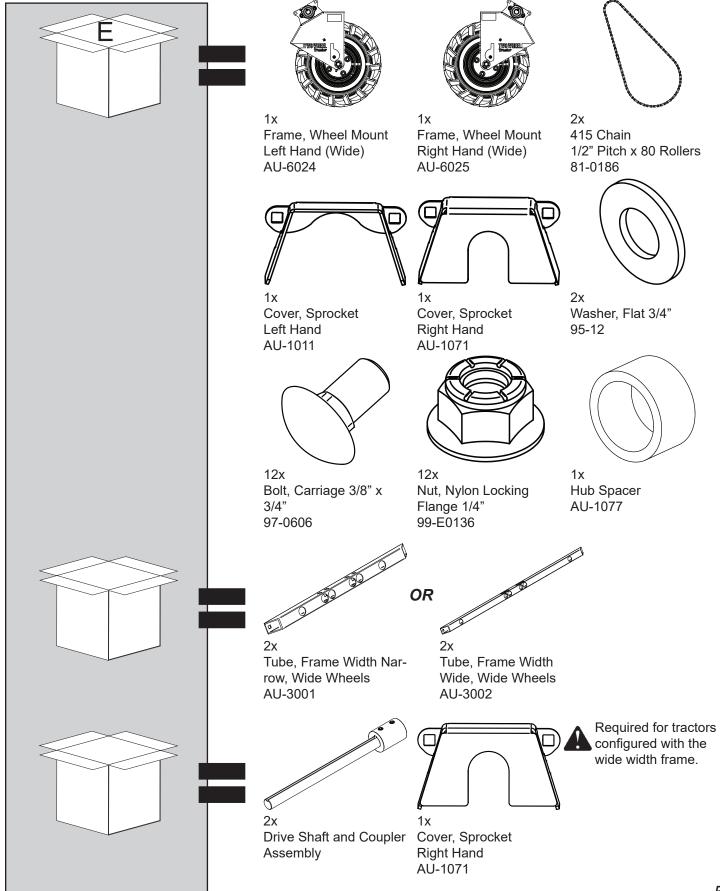


2x Nut, Jam 3/8 - 16 99-E0037

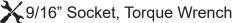


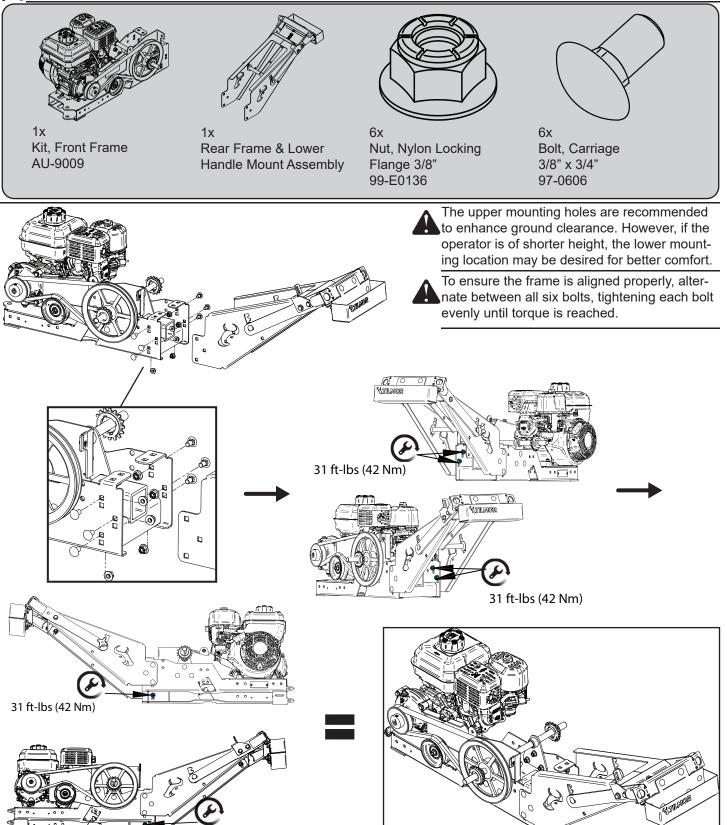
27x Nut, Nylon Locking Flange 3/8" 99-E0136





FRONT AND REAR FRAME ASSEMBLY

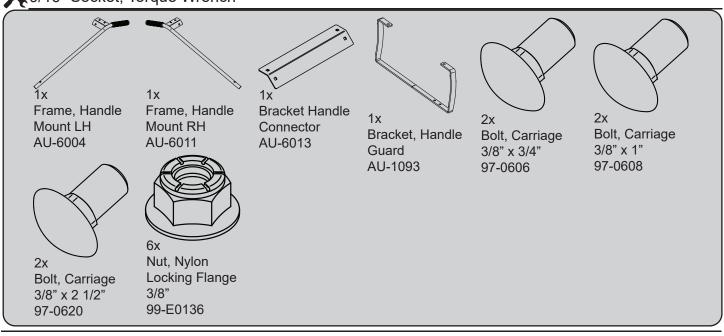


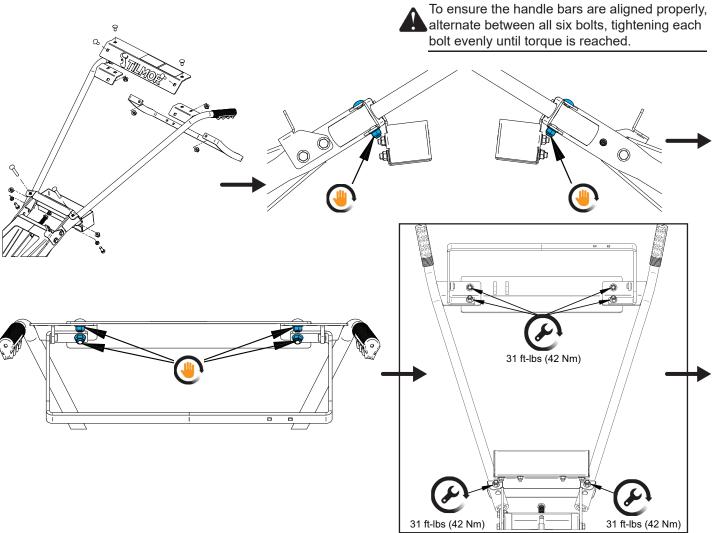


31 ft-lbs (42 Nm)

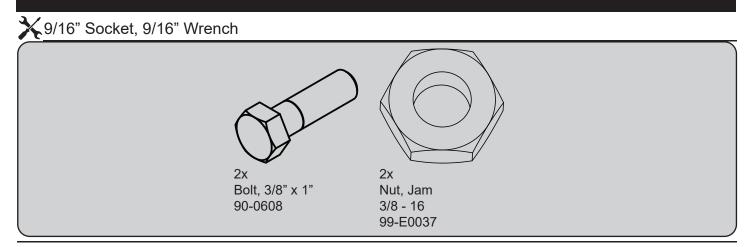
HANDLE BAR ASSEMBLY

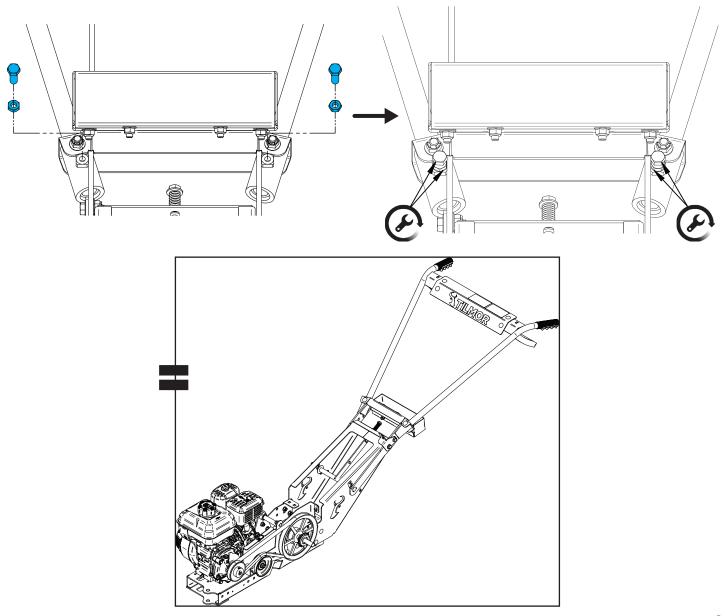
3/16" Socket, Torque Wrench



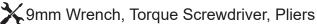


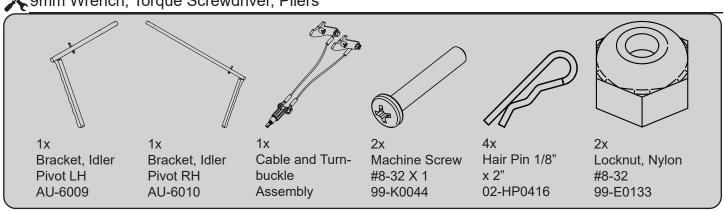
HANDLE BAR ASSEMBLY CONTINUED

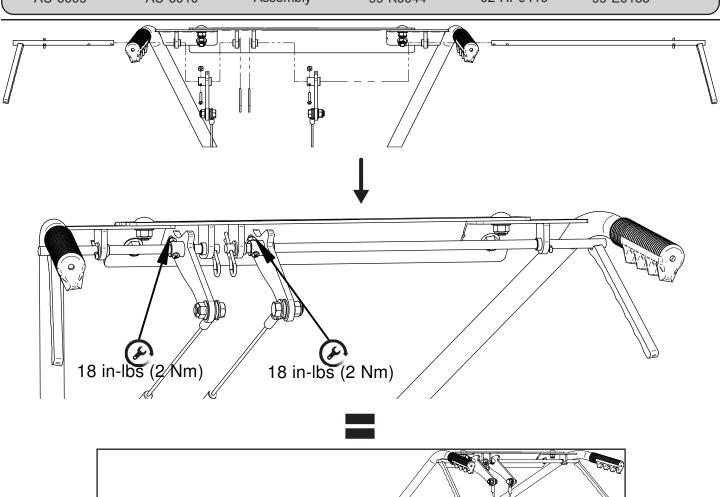


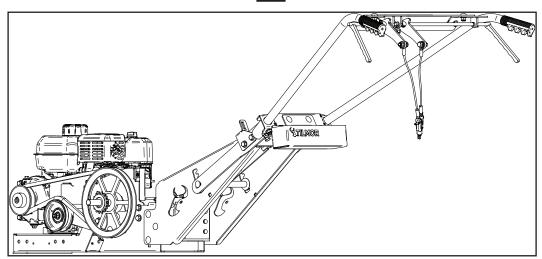


DRIVE CONTROL HANDLE ASSEMBLY



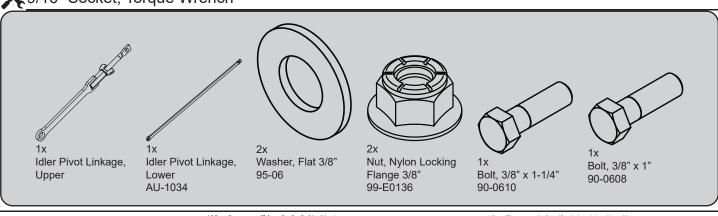


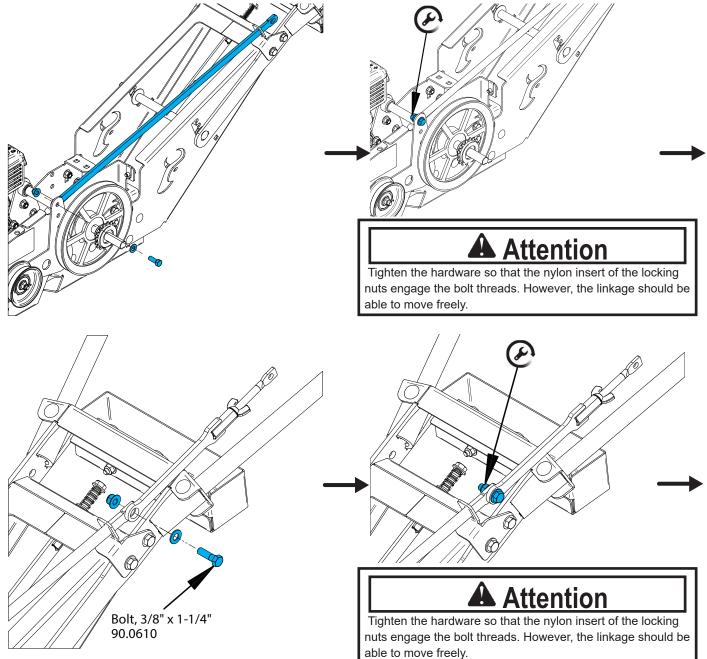




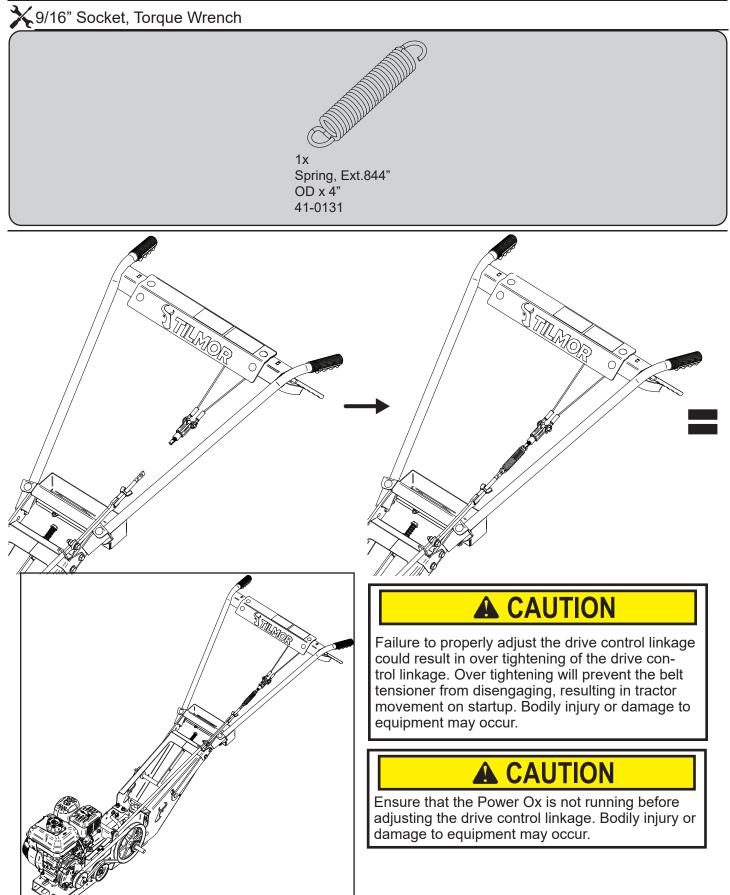
DRIVE CONTROL LINKAGE ASSEMBLY





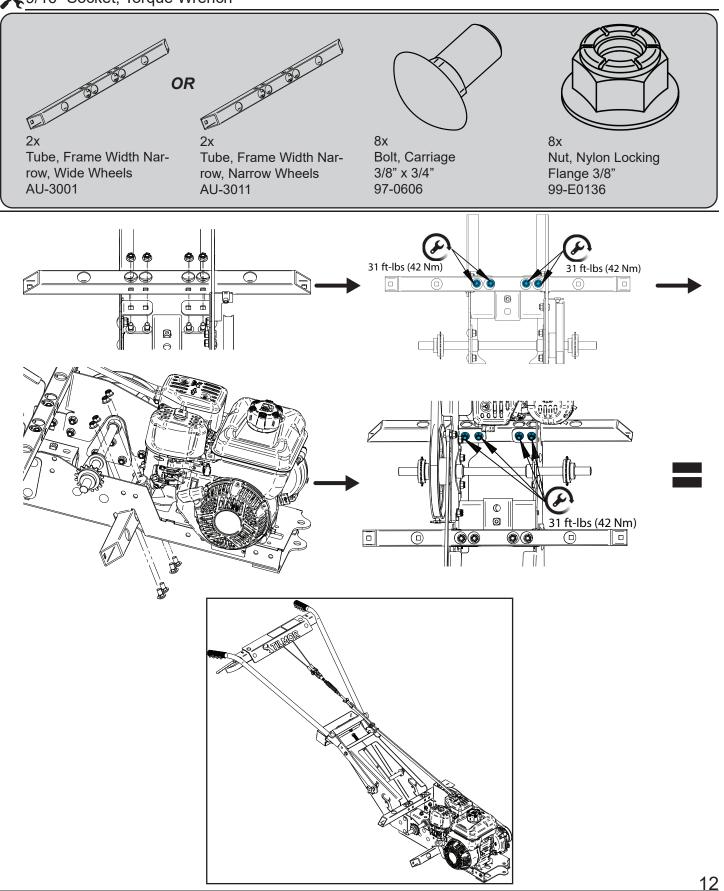


DRIVE CONTROL LINKAGE ASSEMBLY CONTINUED



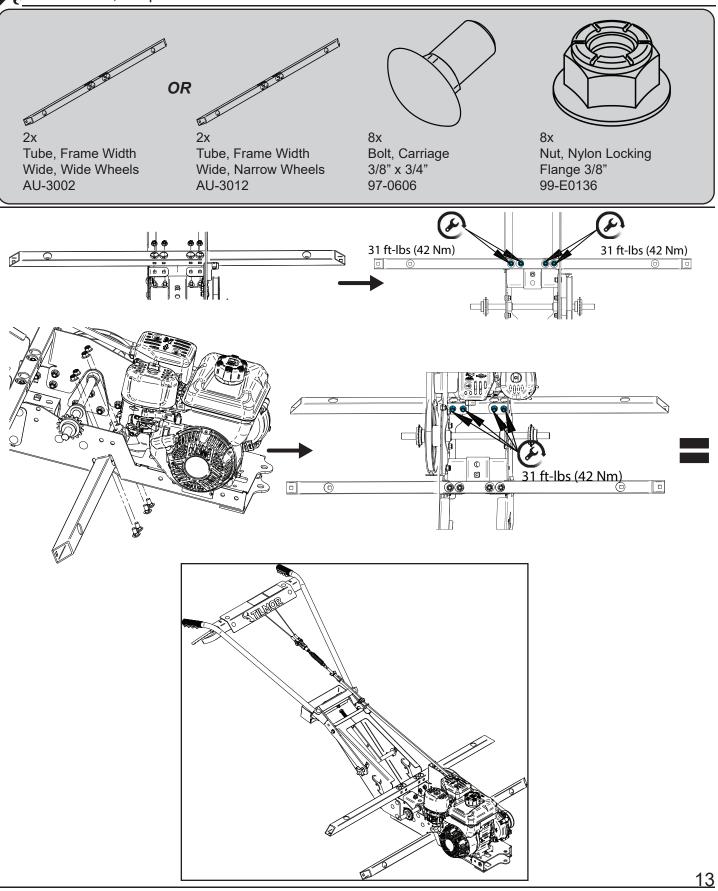
NARROW WIDTH FRAME ASSEMBLY





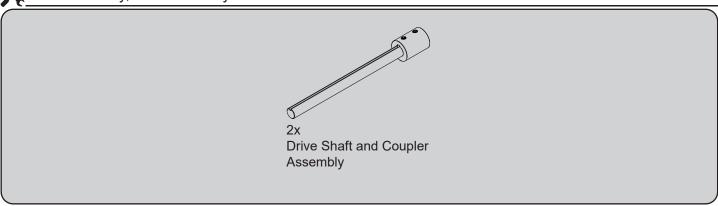
WIDE WIDTH FRAME ASSEMBLY





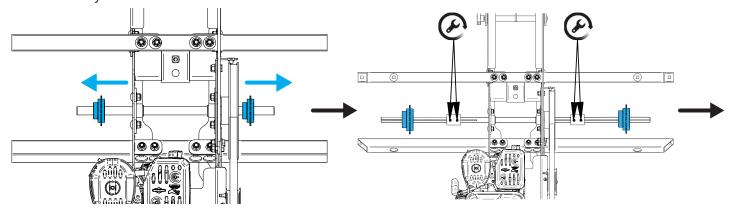
WIDE AXLE INSTALLATION

3mm Hex Key, 5/32 Hex Key

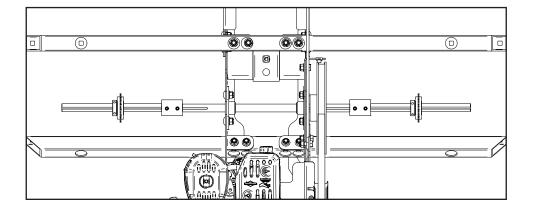


A

The sprockets must be removed from the axle. Loosen the set screws and remove the sprocket and key from the axle shaft.

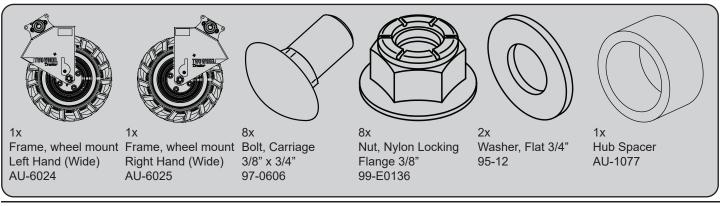


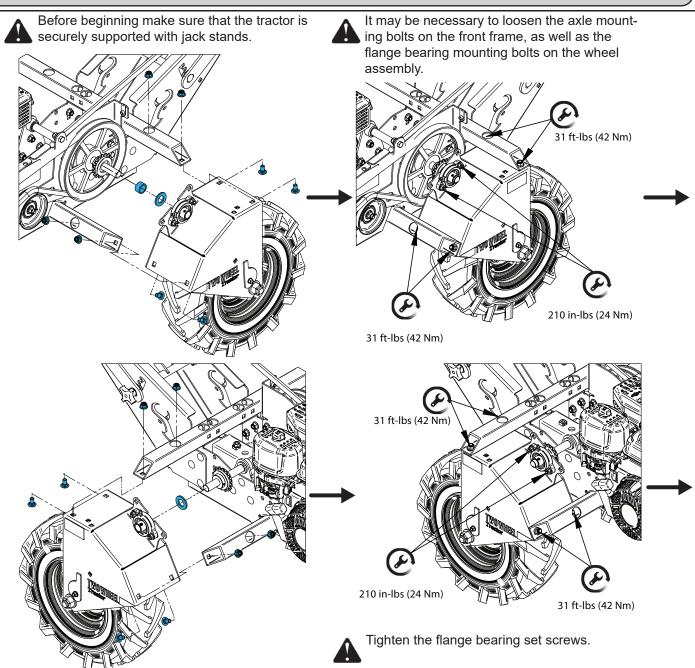




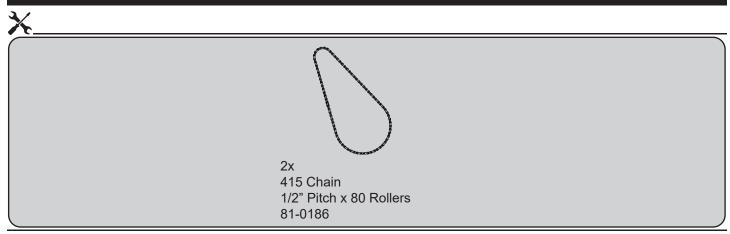
WHEEL KIT INSTALLATION

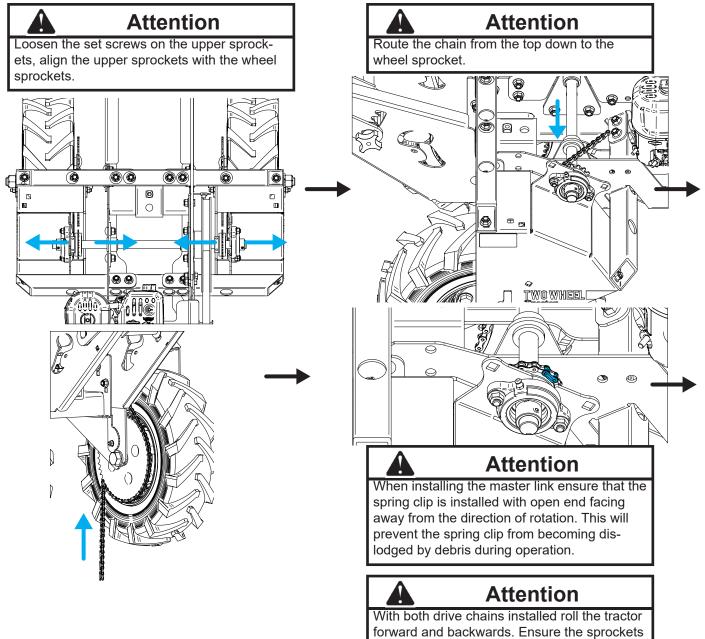
💢 9/16" Socket, 1/2" Socket Torque Wrench





WHEEL KIT INSTALLATION CONTINUED





screws.

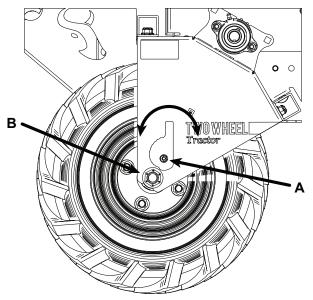
are aligned and tighten the upper sprocket set

WHEEL KIT INSTALLATION CONTINUED

7/16" Wrench, 1-1/8" Wrench, 1-1/8" Socket, Ratchet

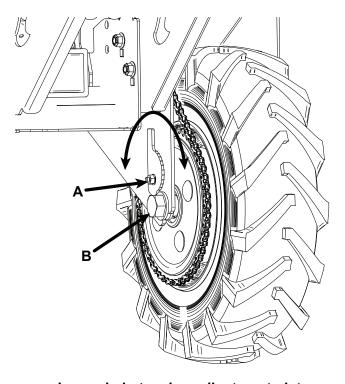
A CAUTION

Failure to properly tension the drive chains properly can result in damage to the chain or sprockets.



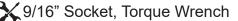
Outer chain tension adjustment plate

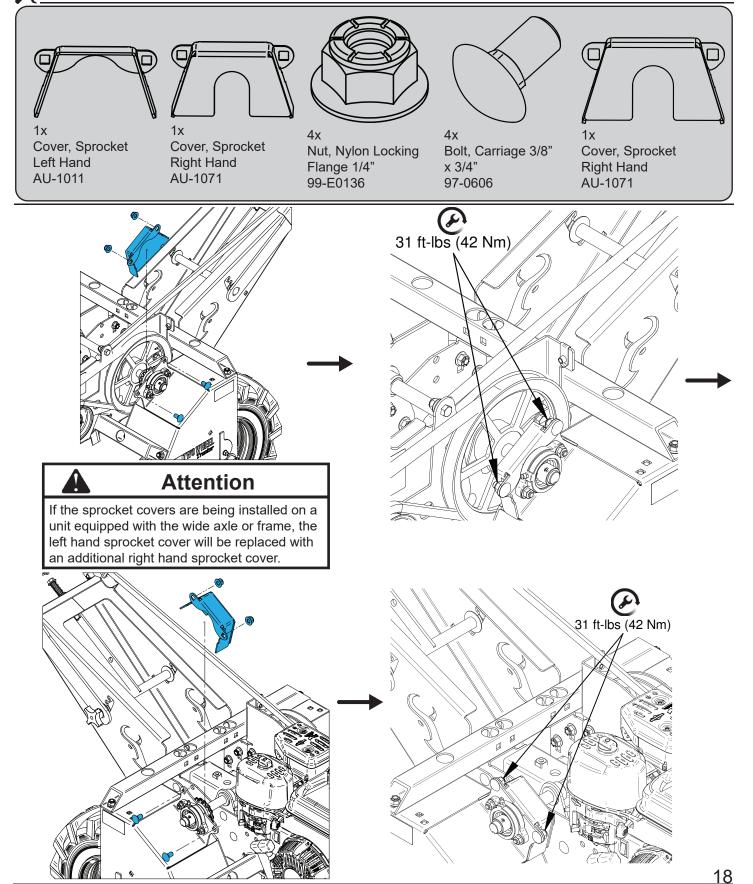
Loosen the axle bolt (B). Slightly loosen the adjustment plate mounting bolt (A), on both the inner and outer adjustment plates. Rotate the inner and outer adjustment plates evenly to tension the chain. The chain should have 1/8" to 1/4" of deflection. When the desired tension is reached tighten the inner and outer adjustment plates. Tighten the wheel axle so that the wheel is securely held in place and still rotates freely.



Inner chain tension adjustment plate

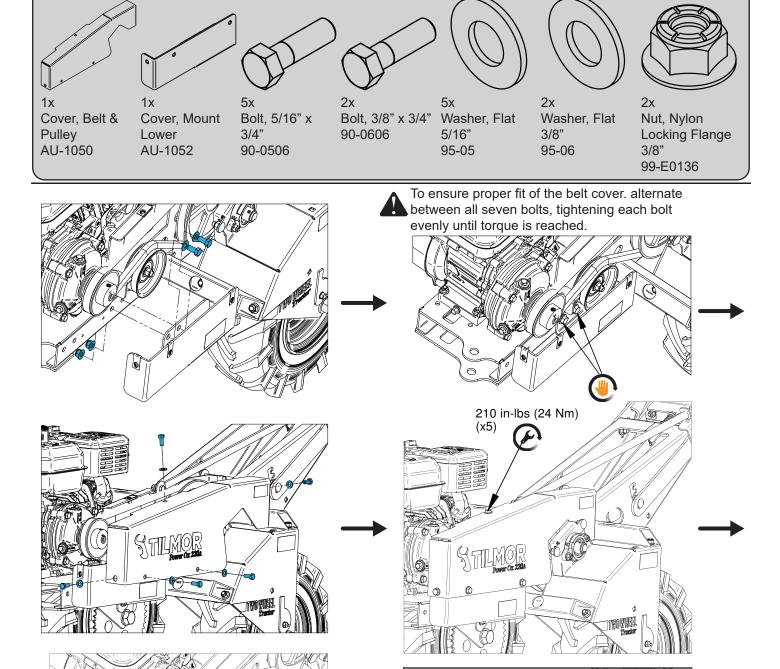
WHEEL KIT INSTALLATION CONTINUED

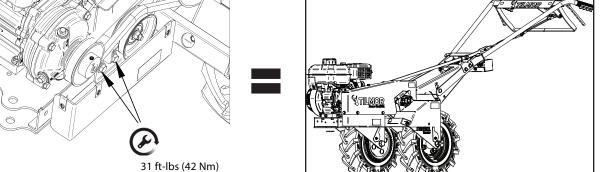




BELT COVER INSTALLATION

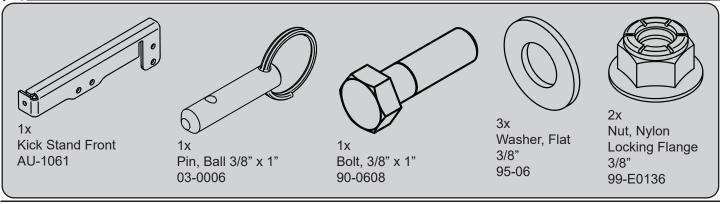
9/16" Socket, 1/2" Socket, Torque Wrench

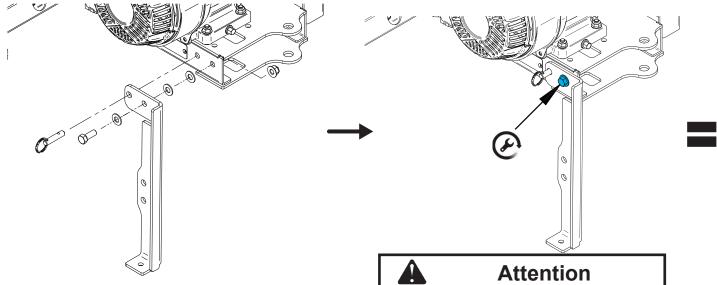




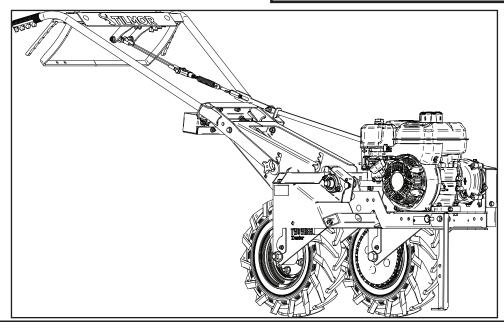
KICK STAND INSTALLATION

9/16" Socket, Ratchet



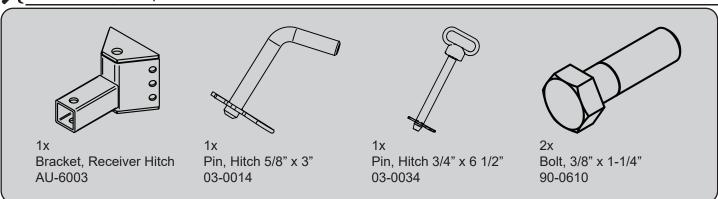


Tighten the hardware so that the nylon insert of the locking nuts engage the bolt threads. However, the kick stand must be able to move freely from the up position to the down position.



RECEIVER HITCH INSTALLATION

9/16" Socket, Torque Wrench



A

The rear frame is removed for a clear visual perspective. The rear frame does not need to be removed to install the receiver hitch.

