

LIR- MG30/MG40 Lifting/ Lowering Operations & Pre-Inspection Overview

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Pre-Inspection of Equipment and Mast to be Lowered

Inspection of Tilting device (L5005) , Trailer Jack Stand (L5006) and Mast Base assembly should be preformed prior to lifting or lowering any LIR Mast



L5005 Tilting Device



L5006 Trailer Jack Stand



MG 30/40 Tilting Base

Pre-Inspection of Tilting Device & Trailer Jack Assembly



Inspect cable reel to be sure cable is in satisfactory condition and will not bind and that crank handle is operating correctly

L5005 Tilting Device



Verify that the $\frac{3}{4}$ " Push Button pin is on Tilting Device and in proper working condition

Inspect pulley cable to be sure that both compression sleeves are intact and show no sign of wear or slippage. Check pulley block and safety hook to be sure safety clip on hook is working and that the pulley is in working condition



L5006 Trailer Jack Stand

Be sure Crank handle is secured to Trailer Jack Stand and that the Trailer Jack Stand is operating correctly



Pre-Inspection of Tilting Base Assembly



MG 30/40 Tilting Base



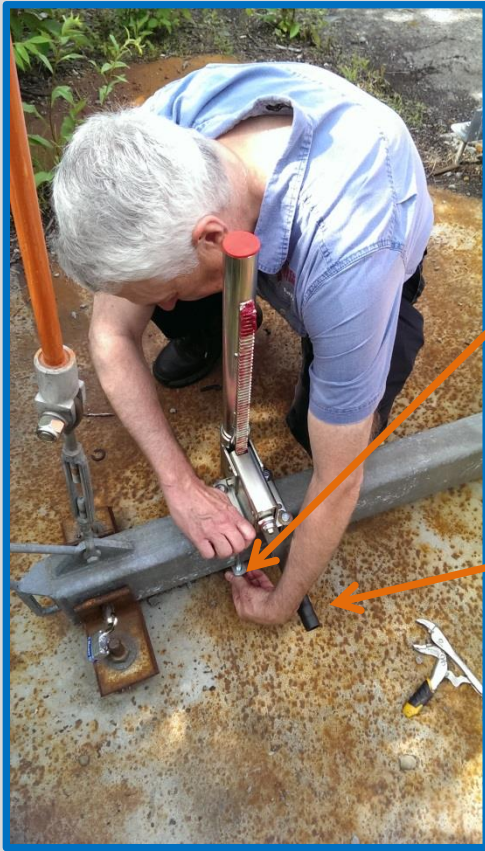
Verify that the Slotted Plate is free of debris and still securely welded to channel arm

Verify that Stand Plate is attached securely to tilting base assembly



Verify that the hinge pins are engaged with base angle

L5006- Trailer Jack Stand Setup for MG30/MG40



Put bolts through top of mounting plate and through the lower channel plate and tighten down bolts so Trailer Jack Stand is securely attached to the tilting base channel

Be sure the (L5006) Jack Trailer Stand cranking Handle is positioned on the same side of the MG30/40 base as the crank handle for the (L5005) Tilting Device so that one person can reach both handles and crank both devices at the same time.

Jack Trailer Stand is now installed and ready for use



L5005- Tilting Device Installation MG30/MG40



Slide the front slots on base of tilting device base into the anchor bolts. Be sure that the plate of the tilting device is under the foundation washers, by lifting washers while sliding front of tilting device into place. Place the back slot of the tilting base into anchor plate. Tighten anchor bolt nuts tightly down on to the front of the tilting device



Insert Safety Lock Down Pin on the back of the tilting device into the Foundation Anchor Plate being sure that the pin is fully engaged



Attaching Tilting Device Pulley/Safety Hook

Attach Pulley Safety Hook on to the Slotted Plate on front of base tilting channel being sure that the hook is in-line with the tilting device and the winch cable is not binding.

****Attaching the hook in any other manner is not recommended****



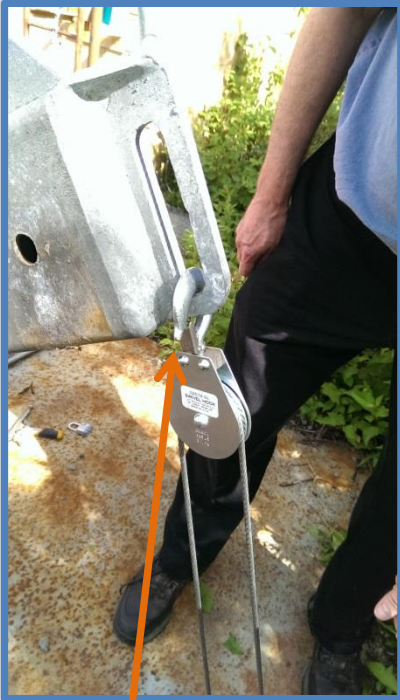
Remove the lock from the lock down pin and remove lock down pin from base cradle. You are now ready to proceed in lowering the MG30/MG40

Lowering of MG30/MG40

Slowly start cranking up the L5006 Trailer Jack Stand while releasing cable from the L5005 Tilting Device at the same time. Maintain tension on the tilting device cable to avoid any possible binding of cable. You may stop cranking the Trailer Jack Stand once the weight of the mast has been transferred to the winch cable



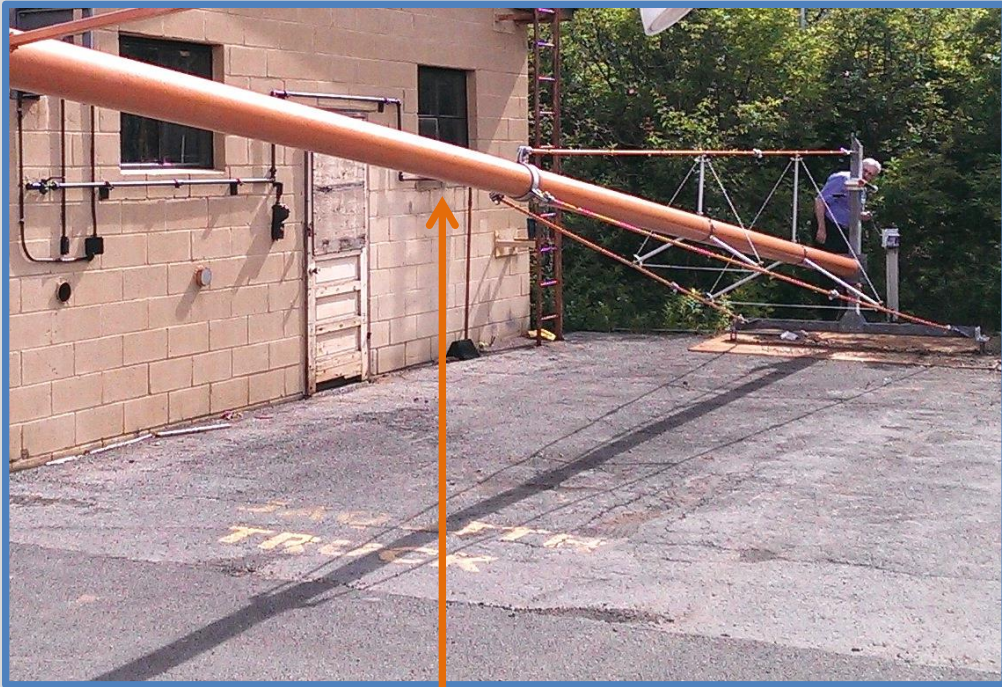
Lowering of MG30/MG40 - continued



Check the position of pulley and safety hook several times as the mast lowers being sure that the hook and winch cable are in-line with the tilting device.



Lowering of MG30/MG40 - continued



When cranking the mast down, be sure to maintain a constant motion to minimize movement or bouncing of mast.

Stop lowering the mast prior to the mast being in the final horizontal position and position the (L5016) Portable Maintenance Stand under the mast if your location does not have a permanent resting bar on site. Continue cranking down the mast until it is fully supported by the Maintenance Stand or Permanent Resting Bar



Servicing of Equipment on mast may begin once the total weight of the mast has been transferred to the (L5016) Portable Maintenance Stand or permanent resting bar.

Do not perform any repairs on a lowered mast that is being supported by the winch cable only. This may result in damage to the mast or winch or physical injury

Raising of MG30/MG40

Start cranking the tilt device to raise the mast, using a constant motion to minimize movement or bouncing of the mast. Be sure the hook and winch cable are in-line with the tilting device.

Slow your cranking motion prior to the Trailer Jack Stand making contact with the foundation



Raising of MG30/MG40 -continued

Crank both Tilting Device and Trailer Jack Stand lowering the base channel towards the base cradle.

As you get to the base cradle, leave some slack on the winch cable so you can position the pulley/safety hook off to the side of the cradle



Raising MG30 / MG40- continued

Be sure to insert lock down pin into base cradle and lock the pin prior to unhooking the tilt device pulley/safety hook from the base



Now you can remove the Tilting Device and Trailer Jack Stand from the MG30/MG40 base.

