



Terex Utilities	
PRODUCT ADVISORY	PA704

DATE: 9/30/2021

REVISED:

TO: Owners, Users, Dealers, and Installers

MODELS AFFECTED: All Aerials and Digger Derricks

SUBJECT: Re-Mounting Aerial Devices or Digger Derricks

Issue:

Many Terex Aerials Devices and Digger Derricks (unit) will have a longer useful life, when properly inspected and maintained, than the vehicle it is originally installed on. When remounting a unit there are several issues that must be addressed to comply with the ANSI standards and OSHA, FMVSS, and NHTSA regulations. The unit design follows the requirements of the standard in effect at the time it was manufactured. The ANSI/SAIA A92.2 and ANSI/ASSE A10.31 standards require Dealers and Installers to comply with the current revision of the standards.

The installer must inspect the unit to verify it is in good condition and suitable for re-mounting so it will be a serviceable unit when completed. If not, it must be repaired as directed by the owner.

It is recommended that the installer purchase a copy of the current ANSI standard to learn the specific requirements. OSHA, FMVSS, and NHTSA requirements are available by searching on-line.

Action:

The following are items the installer must consider and some of their responsibilities. It is a partial list, not all inclusive. Each installation can have unique requirements the installer must take into account:

- Inform the owner of the unit manufacturer's minimum vehicle specifications.
- Vehicle weight distribution must comply with the vehicle limitations, and the unit requirements for stability, strength and allow for tools and materials weight.
- If the vehicle is to be road legal the installer must comply with Federal Motor Vehicle Safety Standards (FMVSS).
- Certification as a manufacturer of a motor vehicle. (alteration, intermediate, or final).
- Comply with National Highway Traffic Safety Administration (NHTSA) regulations.
- Follow the unit manufacturer's instructions for installing.
- Structural welding must be by a certified welder in compliance with Structural Welding Code AWS D1.1 or D1.2 with appropriate quality assurance procedures.
- Inspect and repair the insulation system, if rated as an insulating unit, and perform a dielectric test after installation is complete.

- Access to the lower controls must be maintained and situated so the operator does not stand on the ground while operating.
- Steps, ladders, and access must comply. If steps or ladders are over 50-degree angle, then three-point support is required.
- Outrigger controls are guarded and allow the operator to see the outrigger being operated.
- Have the manuals for the vehicle, unit, and any equipment added available in the vehicle.
- Perform stability tests.
- Perform operational tests.
- Post the overall travel height visible to the driver.
- Replace all missing or damaged decals.
- Offer training or training material for operation, inspection, testing and maintenance of the unit.

The installer will assume the responsibilities that the manufacturer cannot complete as the installer is the final stage manufacturer. It is highly recommended that the installer add, if not already equipped, the following:

- Slope Indicators installed for side to side and front to back vehicle level.
- Parking brake interlock to prevent PTO engagement or pump flow unless the parking brake is applied.
- Hydraulic isolation-selector device to prevent operation of the booms and the outriggers at the same time.
- Outrigger Interlock device to prevent operating the boom until the outriggers have been deployed from stowed position.
- Hydraulic system is cleaned, flushed, and filled with the proper clean new hydraulic oil.
- Auxiliary control for remote vehicle engine operation is updated to properly interact with the vehicle computer systems and vehicle manufacturers requirements.

Terex and local industry standards (CSA and ANSI) require the purchaser of a Terex unit report to Terex the model and serial number of each machine sold, as well as the name, address, and telephone number of the new owner, within 60 days of the sale. Use the Owner Update Form in the manual to update the owner status of any of your machines. Terex also asks the seller to provide the new owner information so if you require additional copies of the Owner Update Form or have any questions, please contact TEREX Utilities Warranty Department at 1-844-837-3948 or utilities.warranty@terex.com.

To register your Terex Utilities aerial device or digger derrick, click or navigate to the following link:

<https://www.terex.com/utilities/en/support/product-registration>