

INTRODUCTION

TRUCK MOUNTED SIGNALIER LIFT

The two primary functions of this manual covering “SIGNALIER” machines in current production are to assist in the safety/training of operators and maintenance personnel, and to provide a complete and up-to-date parts section for replacement parts. This manual has been produced as a valuable tool for our customers. It is in the best interest of everyone involved with the use, operation, and maintenance of the machine to read and thoroughly understand all sections of this manual.

STAMM MANUFACTURING has included in this manual the specifications/parts maintenance sheets for various critical components. A trouble shooting guide for the SIGNALIER unit is included herein.

Throughout this manual, reference may be made to serial numbers of the unit. When ordering parts, use of the serial number will assist our parts department in giving prompt and accurate service. Serial numbers should be used at all times in phone conversations with STAMM MANUFACTURING personnel. Also, the use of correct serial numbers and part numbers will expedite completion of warranty claims sent to STAMM MANUFACTURING.

STAMM MANUFACTURING reserves the right to make changes in design or to make additions to or improvements in its products without imposing any obligation itself to install them on its products previously manufactured.

STAMM MANUFACTURING has included a special section that deals with the safe operation of the SIGNALIER, as well as information about certain items that must be inspected periodically to ensure a safe operating unit.

The operation of any AERIAL WORK PLATFORM is subject to certain hazards that can be protected against only by the exercise of intelligence, care, and common sense and not by mechanical means. It is essential to have competent personnel trained in the intended use, safe operation, maintenance, and service of this type of equipment.

“SIGNALIER LIFT PLATFORMS” are designed and built to conform to STAMM MANUFACTURING understanding and interpretation of all applicable OSHA Rules and Regulations and ANSI Standards.

*OSHA Title 29, Paragraph 1910.67 – Vehicle Mounted Elevating and Work Platforms

*OSHA Title 29, Paragraph 1926-556 – Aerial Lift Construction

It is operative that all owners and operators of the SIGNALIER, read, understand and conform to these regulations. Ultimate compliance to prevailing OSHA regulations is the responsibility of the employer utilizing the equipment.

**STAMM MANUFACTURING
SIGNALIER LIFT MODEL T-529
INSTALLATION & INSPECTION REPORT**

Dealers Name _____ Address _____

Model # _____ Serial # _____ Date _____

| Item # | Description of Inspection Test | Initial if OK | Remarks |
|--------|--------------------------------|---------------|---------|
| #5 | Hydraulic Components: | | |
| | A. Lift Cylinders | _____ | _____ |
| | B. PTO and Pump | _____ | _____ |
| | C. Hydraulic Tank | _____ | _____ |
| | D. Hydraulic Filter | _____ | _____ |
| | E. Hydraulic Valves | _____ | _____ |
| #6 | Electrical Components: | | |
| | A. Visual Inspection all Wires | _____ | _____ |
| #7 | General Servicing: | | |
| | A. Hydraulic Oil Level | _____ | _____ |
| | B. Lube Points | _____ | _____ |

NOTE: LUBRICATE UNIT WEEKLY
& LUBE ALL FITTINGS

| | | | |
|----|-------------------------------|-------|-------|
| #8 | Miscellaneous | | |
| | A. Nameplate | _____ | _____ |
| | B. Decals & Warning Label | _____ | _____ |
| | C. Operation & Safety Manuals | _____ | _____ |

RETURN THIS FORM TO STAMM MANUFACTURING,
ATTN: SERVICE DEPARTMENT

Checked and Inspected By:

Owner:

Address:

This unit was inspected and tested before leaving the plant, due to environmental conditions, loading, transporting, and unloading the unit, it will be necessary for you to check the following items to assure the user of a first class unit, then mail this report back, signed, to: Stamm Manufacturing, 4850 Orange Avenue, Ft. Pierce, FL 34947.

**CHECK –OUT INSTRUCTIONS
FOR
SIGNALIER MODEL**

Prior to placing the SIGNALIER into service, a full checkout of the unit should be made, and the INSTALLATION & INSPECTION REPORT completed and mailed to: Stamm Manufacturing, 4850 Orange Avenue, Ft. Pierce, FL 34947, for we do not know the condition of the unit as it arrives either at the dealer or customer facility.

Each SIGNALIER has undergone a thorough control inspection at the plant, so each unit leaves in the best possible condition. However, transportation damage may sometime occur and you must be aware of such damage and make note on the consignee copy of the freight bill, followed by your claim for repairs to the carrier.

***STAMM MANUFACTURING IS NOT
RESPONSIBLE FOR DAMAGE TO UNITS
WHILE IN TRANSIT**

1. Visually inspect all parts of the SIGNALIER including paint scratches, etc.
2. Check for loose bolts, nuts, damaged or leaking hydraulic lines, hoses and fittings, broken wires or structural damage.
3. Check hydraulic oil level, refill with Dextron II ATF if clutch pump is used and hydraulic oil if PTO is used.
4. Hydraulic valves are located in the base of the machine and including a set for operating the hydraulic outriggers. Perform visual inspection of the valves before placing the unit in service.
5. Check ground controls and aerial controls for use and serviceability.
6. **FILL OUT THE INSTALLATION & INSPECTION REPORT** of your findings and mail to: Stamm Manufacturing, 4850 Orange Avenue, Ft. Pierce, FL 34947.
7. Always check site gauge in tank for capacity of oil level cleanliness. Use Dextron II ATF (Automatic Transmission Fluid) if Clutch Pump is used and Hydraulic Oil if PTO is used.

OPERATIONS, CONTINUED

8. DO NOT USE, planks, ladders or any other devices on the aerial platform for achieving additional height or reach. Personnel shall maintain a firm footing on the platform floor while working therein.
9. DO NOT OPERATE CARELESSLY. Although simple in operation, the SIGNALIER is to be respected. It is for your safety as well as others, that the unit be properly operated. Pay attention to every control movement, familiarity does not excuse carelessness.

CONTROL FAMILIARIZATION:

Prior to making any attempt to operate the SIGNALIER LIFT, it is essential that the operator be thoroughly familiar with the location and function of each control.

A. GROUND CONTROLS: The ground controls are located on the base plate on the street side, the two articulating lift arms can be raised or lowered (independently or simultaneously) plus the platform may be traversed from this position, too. Note direction of arrows on placard near the hydraulic valve assembly. When only one lever is operated at a time, the platform will have an over reach of approximately 5'. By operating both levers simultaneously will result in near vertical movement of the platform.

When the platform is raised approximately 12" off its base rubber-bed, the platform may be traversed to either side up to 4'. And when raised higher, the platform may add on an over reach of an additional 5', thus making a total distance of 9'.

Care must be taken to operate these controls. Move the levers slowly and deliberately, avoiding jerky movements.

Look in the direction of the platform movement, always making sure there is no obstruction, plus sufficient clearance for the platform, always be on the watch for overhead wires.

EMERGENCY LOWERING CONTROL: Located next to the control box in the platform, is located an emergency pump complete with handle which will allow the operator to lower the articulating arms to their original storage base in case of an emergency or hydraulic power failure.

B. PLATFORM CONTROLS: The platform control box which has a set of controls for the operation of the SIGNALIER LIFT is located within the platform for the operator's use; again, kindly read the data by each control for its operation. The console may be moved or relocated along the top rail of the platform to suit the operator's choice.

OPERATIONS, CONTINUED

- C. OPERATION FROM THE GROUND CONTROLS: Turn pump switch in cab on the "ON" position, this will start the hydraulic oil to flow, unit may be put into service.
Secondly, if your unit has a manual shift and comes equipped with a PTO pump, then depress clutch and pull PTO cable out so that it is in operation.
"UNIT IS NOW READY FOR OPERATION"

WARNING: ALWAYS CHECK OVERHEAD FOR ANY OBSTRUCTIONS THAT MAY BE IN THE WAY

LOWERING OF PLATFORM: Check underneath platform to make certain nothing is in the way or any personnel is underneath.

- D. OPERATION FROM THE PLATFORM: Enter the platform with the SIGNALIER in the stowed position. Close the platform entrance with the gate provided, or the option lift bar and a safety chain half way down below the lifting bar. Make certain all entrance openings are fully closed.

NOTE: For operator convenience, the console can be moved or relocated along the top rail of the platform. Find the position which will afford you with the best visibility and one which will enable you to be comfortable during operations.

To operate the articulating lift arms up/down, move the levers s shown on the placard. And for traversing again, follow the directions on the placard.

- E. WHEEL CHUCKS: It is advisable to place the wheel chucks under the rear wheels to prevent the truck from rolling forward or backward.

A Mico Brake Lock System comes standard which is connected to all 4 wheels, be certain to apply this system too.

NOTE: DO NOT USE THE MICO BRAKE SYSTEM FOR OVERNIGHT OR LONGTIME PARKING, USE YOUR TRUCK SUPPLIED EMERGENCY BRAKE FOR THIS OPERATION. THE MICO IS FOR SHORTER TERM USE ONLY.

PREVENTIVE MAINTENANCE SIGNALIER TRUCK MOUNTED AERIAL PLATFORM

GENERAL:

The finest equipment manufactured is only as good as it is maintained. Many times costly repairs and loss of revenue can be avoided by planning ahead, setting a regular schedule and performing preventive maintenance. You can do preventive maintenance NOW or costly repairs LATER.

We have broken this down into two (2) phases:

- (1) An inspection maintenance
- (2) Lubrication maintenance

The preventive Inspection maintenance is generally, but not limited to, the responsibility of the operator. It is to his/her best interest that the inspection maintenance be carried out, as it directly affects his/her safety.

The preventive lubrication maintenance is the responsibility of the serviceman or mechanic, as in some instances, shop time will be required to perform the maintenance tasks.

Many of the recommendations for preventive maintenance described and noted, herein, may sometime be consuming and expensive. This is not the case, the program has been laid out carefully, and if closely followed, it will result in an extended life expectancy of the unit, as well as the downtime and costly repairs.

The inspections and checks listed are not intended to replace any local or regional regulations which may pertain to this type of equipment, nor should the list and schedule be considered all inclusive. Variances in interval times may occur due to climate and/or operating conditions depending on the location and the use of the machine.

Always insure that applicable safety precautions are strictly observed when performing the maintenance inspections and checks.

Make certain that damaged components or those in need of adjustment, repair or replacement are corrected before operation.

PREVENTIVE INSPECTION MAINTENANCE

This field inspection list provides for a systematic inspection of the SIGNALIER LIFT. The items listed to be inspected or checked daily will basically insure a good safe unit performance prior to start-up operation.

By accomplishing these inspections on a daily basis, any potential malfunction will be identified and detected before it results in a major problem. The fifty (50) hour inspection will detect any defective, damaged or improperly secured part.

The fifty (50) hour time interval is for normal operation in abnormal environmental condition, then the inspections should be made more often.

It is suggested that a maintenance log should be kept and any conditions or items found to be abnormal should be recorded.

DAILY INSPECTION MAINTENANCE

Each day before the SIGNALIER LIFT is started, a thorough walk-around inspection must be performed. Report damage or faulty operation immediately and attach a sign at the ground control area, stating: "DO NOT OPERATE". Repair any discrepancy before use.

Some of the major items to check are:

1. OVERALL MACHINE CONDITION:
 - A. Ground controls/platform controls
 - B. Oil or hydraulic leaks
 - C. Missing parts
 - D. External structural damage or cracked welds
 - E. Control cables
 - F. Decals/placards

2. PLATFORM:
 - A. Pivot points
 - B. Structural condition
 - C. Control box & cables for frayed or broken cables, etc.
 - D. Check gate latches, or lift bar & chain – if lift bar type.

3. HYDRAULIC SYSTEM:
 - A. Hydraulic leaks
 - B. Loose or damaged hydraulic lines
 - C. Hydraulic fluid level
 - D. Cleanliness of hydraulic fluid (CHANGE IF IT'S MILKY)
 - E. Hydraulic valves and control levers.

SCHEDULED MAINTENANCE
BI-WEEKLY OR EVERY 50 HOURS OF OPERATION

1. **DECALS/CONTROL CABLES:**
Check for legibility. Clean and replace as necessary. Inspect for damage and security, repair and replace.
2. **STRUCTURAL CONDITIONS:**
Check for bent or damaged components, cracked welds and damaged or worn pins and retainers. Repair or replace as necessary.
3. **PLATFORM CONDITIONS:**
Inspect railings, check floor, repair and replace as needed.
4. **PLATFORM HARDWARE:**
Inspect for loose or missing hardware repair or replace as needed.
5. **PLATFORM GATE/LIFT BAR & CHAIN:**
Test for security, repair or replace as needed.
6. **PLATFORM CONTROLS:**
Inspect for damage, proper operation and decals. Repair or replace. Always keep clean.
7. **GROUND CONTROLS:**
Inspect for damage. (same as above)
8. **HYDRAULIC LINES:**
Inspect lines and fittings for damage or leaks. Tighten or replace as necessary.
9. **HYDRAULIC SYSTEM FILTERS:**
Change the return line filter after the first 430 days or 50 hours of operation. Thereafter, change filter every 300 hours of operation.
10. **LUBRICATION:**
Lubricate at least once a week and wipe excess grease from fittings.
11. **GENERAL ABUSE:**
Inspect for signs of abuse and for proper operating characteristics. Inspect sheet metal covers and mounting.

SPECIAL NOTICE – PLEASE PAY ATTENTION

CHECK U-BOLTS WHERE LIFT IS SECURED TO TRUCK'S FRAME
MAKE CERTAIN THAT ALL IS DRAWN DOWN TIGHTLY AND SECURE,
IF LIFT BOLTS SHOULD BECOME LOOSE, LIFT COULD SHIFT
AND DO DAMAGE TO CAB OR UTILITY BODY.
CHECK AT LEAST EVERY 30 DAYS.

SCHEDULED MAINTENANCE

MONTHLY OR EVERY 100 HOURS OF OPERATION

1. **HYDRAULIC SYSTEM PRESSURE:**
Check and adjust as is necessary.
2. **CHECK OIL IN TANK:**
Always check at every opportunity.

YEARLY OR EVERY 1000 HOURS OF OPERATION

1. **HYDRAULIC TANK:**
Drain and clean tank. Clean and replace suction screens. Replace tank Gasket and service with new hydraulic fluid. Automatic Transmission Fluid Dextron II with Clutch Pump and Hydraulic Oil for PTO.
2. Mark down date work performed and apply sticker to unit.

WARRANTY INTRODUCTION

The warranty policy and procedures outlined herein are detailed to provide the claimant with the information necessary when filing a warranty claim, and enabling Stamm to better serve its customers.

WARRANTY CLAIMS – GENERAL

An approved claim depends on the following provision:

1. A warranty claim/service report # must be issued by Stamm. (See filing procedures)
2. Failed part must be returned within thirty (30) days of date discovered, freight prepaid, with receipt of warranty.
3. Part is definitely defective.
4. Workmanship is definitely defective.
5. Machine is within warranty period
6. Machine has been operating within design conditions.

WARRANTY CLAIMS – FILING PROCEDURES

1. Stamm will confirm disposition of failed part within thirty (30) days, and/or request additional information.
2. Claim acceptance will result in release of a credit or payment. Claim denial will result in a confirmation letter detailing the reason of denial of claim.
3. Stamm Manufacturing will consider each claim on its own merit and reserves the right to accept or reject claim request.
4. Send Warranty Claim/Service Report request to:
Stamm Manufacturing
4850 Orange Avenue
Ft. Pierce, FL 34947

SUMMARY OF MAIN WARRANTY PROVISIONS

As claims, policies and procedures are governed by the terms of the Stamm Manufacturing warranty, it is necessary to outline some of the important provisions.

The Stamm warranty applies only to new and unused products which, after shipment from the factory, have not been altered, changed, repaired or mistreated in any manner whatsoever. Normal maintenance items such as lubricants and filters are not warrantable items.

Parts not of Stamm Manufacturing are warranted only to the extent they are warranted by the original manufacturer.

Deterioration or wear occasioned by chemical and/or abrasive action or excessive heat shall not constitute defects.

Parts replacement and/or correction of defective workmanship will normally be handled by Stamm Manufacturing or their authorized distributor.

Failure to file a detailed warranty claim/service report for each occurrence of material defect or defect in workmanship will cause warranty claim to be rejected.

Defective material must be returned within thirty (30) days of receipt of shipping instructions. Failure to do so within specified time will result in forfeiture of claim.

The distributor is responsible for the initial investigation and write up of the warranty claim.

Distributor shall be allowed no more than thirty (30) days from date of repair to file a warranty/claim service report.

The Stamm warranty does not cover diagnostic calls and travel. That is time spent traveling to the machine to analyze the problem and returning with the proper tools and parts to correct the problem.

Stamm will deduct from allowable credits for excess freight caused by sender failing to follow return shipping instructions.

Distributors or end-users automatically deducting the value of a warranty claim from outstanding balances due and payable to Stamm Manufacturing prior to receiving written notification of Stamm approval of the warranty claim may be subject to forfeiture of the entire claim.