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CHAMPION
HOIST AND EQUIPMENT

200 CHAMPION DRIVE
DUNN, N.C. 28334

Phone# (910) -897-4995
Phone# (800) -649-4995
fax# (910) -897-7306

When calling, specify (parts) - (service) - (sales)
have the following information on hand for
faster service: body model # & serial #
hoist model # & serial #
year, make, type of truck.

this information is provided as indicated
Operations and Service Manual

Do not operate this equipment without fully reading and understanding this manual.

Do not allow unauthorized personnel to operate this equipment.

Do not go underneath a loaded raised bed under ANY circumstances.

Do not go underneath an unloaded raised bed unless the safety props are properly positioned.

Do not go underneath a truck with engine running.

Do not allow controls and area around them to become cluttered with tools, cans, etc.
Do not use hands or other body parts to check for hydraulic leaks.
Do not leave truck unattended with bed raised.
Do not allow personnel to ride in or on the bed.
Do not load the equipment beyond the GVW rating of the vehicle or the hoist rating.
Do not operate the hoist on an unlevel or soft surface.
Do not operate the hoist UNDER POWER LINES!!
Do not raise the hoist when vehicle is in motion.
Do not move a vehicle with a raised hoist.
Be sure to........

* Follow all Federal, State, Local regulations pertaining to this equipment.
* Keep unit properly maintained and serviced.
* Understand and follow all safety decals and keep them in good condition.
* Check hydraulic oil level each time truck is serviced.
* Add correct hydraulic oil to reservoir as needed.

PTO PUMP APPLICATIONS

**CAUTION**

USE HYDRAULIC OIL ONLY!

TEXACO RANDO HD 32
EXXON NUTO HD 32
SHELL TELLUS HD 32
OR COMPARABLE

* Grease hoist and rear hinge assembly each time truck is serviced.

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When calling for Parts/Service Be Sure To Have....

Flatbed: model number ___________ serial number ___________

Serial Plate Location

Hoist: model number ___________ serial number ___________

Serial Plate Location
HOIST OPERATION

To Operate Hoist:

(1) Engage PTO per PTO operation instructions.

(2) The pump/hoist control should be in the neutral or “hold” position.

(3) For a manual control - pull to raise, push to lower.
   NOTE: Manual push/pull controls require a 1/2 inch mounting hole.

(4) When bed raises to desired height, push the pump/hoist controls to the center neutral or “hold” position. This will stop bed movement up or down.

(5) To lower bed - push pump/hoist control.

(6) Disengage PTO.
STEP #1    MOUNT SUBFRAME ON CHASSIS AT THE SPECIFIED C.H. DIMENSION.

STEP #2    AFTER SUBFRAME HAS BEEN MOUNTED ON CHASSIS USING THE CORRECT C.H. DIM., MARK CHASSIS BEHIND SUBFRAME & SLIDE SUBFRAME FORWARD AND REMOVE EXCESS CHASSIS.

STEP #3    RETURN SUBFRAME TO CORRECT MOUNTING POSITION.

STEP #4    AFTER SECURING MOUNTING ANGLE TO SUBFRAME, DRILL (4) 1/2” HOLES THRU ANGLE & CHASSIS, AND INSTALL HARDWARE (EACH SIDE).

STEP #5    DRILL (1) 5/8” HOLE (EACH SIDE) IN CHASSIS TO SECURE THE REAR OF SUBFRAME & INSTALL HARDWARE.

STEP #6    TIGHTEN MOUNTING ANGLE HARDWARE & REAR SUBFRAME HARDWARE.

STEP #7    INSTALL PUMP ON PTO AND PLUMB HOSES & FITTINGS AS SHOWN ON PD40031.

STEP #8    INSTALL HYDRAULIC CONTROL HANDLES IN CAB.

STEP #9    AFTER SECURING SUBFRAME & COMPLETING PLUMBING, SET BODY ON SUBFRAME APPROXIMATELY 3” AWAY FROM CAB & PARALLEL WITH SUBFRAME & CHASSIS.

STEP #10   AFTER BODY IS SET, INSTALL REAR FLIPPERS ON SHAFT.

STEP #11   SECURELY WELD REAR HINGE FLIPPERS TO BODY MAIN RUNNERS AT ALL POINTS OF CONTACT.

STEP #12   ATTACH SAFETY PROP AS SHOWN IN MP50054.

NOTE: SAFETY PROP SHOULD BE MOUNTED SO THAT THE PROP IS ANGLED SLIGHTLY TO THE REAR OF THE TRUCK.
INSTALLATION INSTRUCTIONS

STEP #13  USING HOIST POWER, EXTEND CYLINDER SHAFT AS NEEDED AND ATTACH CYLINDER TO UPPER BUNK ON BODY.

STEP #14  USING HOIST POWER, RAISE BODY AS NEEDED AND LOCATE & MARK POSITION THE SAFETY PROP CUP IS TO BE INSTALLED.

STEP #15  AFTER MARKING POSITION OF SAFETY PROP CUP, LOWER BODY BACK TO SUBFRAME. (NOTE: NEVER WORK ON A RAISED EMPTY BODY WITHOUT SAFETY PROPS IN PLACE)!!

STEP #16  WITH BODY LOWERED, INSTALL PROP CUP AND WELD SECURELY.

STEP #17  RE-INSPECT ALL WELDS AND CHECK HYDRAULICS FOR LEAKAGE REPAIR AS NEEDED.

STEP #18  AFTER COMPLETING STEP #17, INSTALL BODY STOP CABLE (SEE MP50090). INSTALL CABLE ON PUMP USING A 1/8" CABLE CLAMP AND TIGHTEN SECURELY. THEN FABRICATE STOP BLOCK MOUNTING PAD, WELD SECURELY TO THE LAST BODY CROSS SILL AS INDICATED ON MP50090. NOW MOUNT AND WELD STOP BLOCK TO PAD. AFTER COMPLETING, ELEVATE THE BODY TO THE DESIRED HEIGHT AND PULL CABLE THRU STOP BLOCK AND TIGHTEN SET SCREW. THEN RAISE BODY AND TEST STOP CABLE ASSEMBLY TO ENSURE IT IS WORKING PROPERLY.

STEP #19  GREASE ALL PIVOT POINTS USING MP50093 THAT SHOWS ALL GREASE-FITTING LOCATIONS.
FRONT MOUNT TELESCOPIC HOIST INSTALLATION

CAB

SUBFRAME

CHASSIS

STRAIGHT CHASSIS

USING HOLE IN HINGE BRACKET AS A GUIDE
DRILL (1) 11/16 HOLE THRU TOP OF CHASSIS
(1) 1/2" X 2-1/2" LG. GRADE 5 BOLT
(EACH SIDE)

1/2" CONTINUOUS WELD

WELD EACH SIDE

DRILL THRU MOUNTING ANGLE & CHASSIS (4) 1/2" HOLES
(4) 1/2" X 2-1/2" LG. GRADE 5 BOLT
(EACH SIDE)

(1) 5/8" X 2-1/2" LG. GRADE 5 BOLT
(EACH SIDE)

(2) 100" 112"

(3) 9'

(4) 11'

(5) 124"

(6) APPROX.

(7) EXCESS CHASSIS

C.H. = CAB TO CENTER OF REAR HINGE
**DETAIL ”A”**

BODY CROSS MEMBER

- - - - - - - - - - -

SAFETY PROP CUP

3/8" WELD AT ALL POINTS OF CONTACT

LOCATE SAFETY PROP CUPS ON BODY MAIN RUNNER SO THAT THE SAFETY PROP IS ANGLED SLIGHTLY TO THE REAR. ALSO, BE SURE CUPS ARE SUPPORTED BY A BODY CROSS CHANNEL.

**DETAIL ”B”**

WELD SAFETY PROP U-BRACKET TO MOUNTING ANGLE

SAFETY PROP MOUNTING ANGLE BOLTED TO CHASSIS (2) PLACES

DO NOT WELD TO CHASSIS !

SAFETY PROP INSTALLATION

CHAMPION

MP50054
NOTE: USE GENERAL PURPOSE CHASSIS GREASE

* Grease hoist and rear hinge assembly each time truck is serviced.
INSTRUCTIONS TO REVERSE C102 PUMP ROTATION

STEP #1 SECURELY MOUNT PUMP FLANGE IN VISE SHAFT DOWN!

STEP #2 REMOVE (4) HEX BOLTS, WASHERS.

STEP #3 LIFT OFF VALVE AND CENTER SECTION OF PUMP LEAVING FRONT COVER AND GEAR IN PLACE, AND ROTATE 180°.

STEP #4 LOWER CENTER SECTION AND VALVE ONTO FRONT COVER AND GEARS BEING CAREFUL NOT TO DISTURB POCKET SEALS IN TRUST PLATES. (IF NEEDED GLUE IN WITH CHASSIS GREASE).

STEP #5 REINSTALL BOLTS AND WASHERS AND EVENLY TORQUE ASSEMBLY BOLTS TO 200 FOOT LBS.