

AIR-FLO MANUFACTURING

PRO-MAX DUMP BODY

OPERATOR & PARTS MANUAL

Air-Flo
1/3/2013

PRO-MAX™ DUMP BODY

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INTRODUCTION:

THIS MANUAL CONTAINS INFORMATION NECESSARY FOR THE PROPER OPERATION AND MOUNTING OF YOUR AIR-FLO PRO-MAX™ BODY. PLEASE STUDY THE ENTIRE MANUAL THOROUGHLY BEFORE ATTEMPTING TO OPERATE OR INSTALL THE BODY AND HOIST.

THE FOLLOWING DANGER AND WARNING STATEMENTS MUST BE ADHERED TO WHEN OPERATING THIS DUMP BODY. PLEASE READ AND STUDY THESE WARNINGS FOR YOUR PROTECTION.

A SET OF DANGER LABELS ARE INCLUDED WITH EACH DUMP BODY. THEY MUST BE INSTALLED ON THE BODY IN THE LOCATIONS NOTED ON PAGE 17 OF THIS MANUAL.

YOU MAY REORDER ANY OF THESE DANGER LABELS DIRECTLY FROM AIR-FLO MANUFACTURING AT (607) 522-3574.

WARNINGS:

Warning: Not installing or operating equipment correctly can cause component damage or an accident which may cause injury or death. **“Always”** install and operate equipment in accordance with manufacturer’s instructions. Read and understand this manual fully before proceeding.

Warning: Welding, oxy-fuel cutting, or grinding sparks can cause fuel to ignite which in turn can lead to injury or death. **“Always”** take adequate steps to avoid ignition of fuel from fuel tanks when welding, grinding, or oxy-fuel cutting during equipment installation.

Warning: Heat from the truck’s exhaust system can cause hydraulic component failure and may lead to a fire which could cause injury or death. **“Always”** install equipment in locations where heat from the exhaust system will not damage any hydraulic component.

Warning: Being under a raised body can result in serious injury or death should the body inadvertently descend. **“Never”** position yourself or allow others to position themselves under a **“loaded”** body. **“Always”** prop the **“unloaded”** body up using the body prop or body props supplied. **“Remember”** body props are to be used only on an **“unloaded”** body.

Warning: Malfunctioning equipment can cause property damage, injury or death. **“Always”** have faulty equipment repaired before continuing its use. If required, consult the manufacturer.

Warning: Overloading of a truck can cause truck component damage or an accident which may cause injury or death. **“Never”** exceed the gross vehicle weight (GVW) or the gross axle weight (GAW) rating or your vehicle.

Warning: The inadvertent shorting of the truck’s electrical supply can cause a fire or equipment damage that could lead to injury or death. **“Always”** disconnect the vehicle battery prior to installing, servicing or repairing the pump.

Warning: Never install a cable on a truck while the body is raised without first blocking, bracing , or propping the body up to prevent the body from inadvertently falling when the control valve lever is moved. A falling body will result in serious injury or death if the control valve lever is moved while someone is under the non-supported body.

Warning: Damage to brake lines during equipment installation or installing bolts or equipment in such a way that the line will rub and become damaged can lead to brake failure which can cause an accident and can lead to severe injury or death. **“Always”** Take adequate steps to prevent brake line damage during installation and isolate brake lines from installed equipment.

WARNINGS!

FAILURE TO OBEY THESE WARNINGS MAY LEAD TO SERIOUS INJURY OR DEATH!

- MALFUNCTIONING EQUIPMENT MAY LEAD TO PROPERTY DAMAGE. IF THERE IS DAMAGED EQUIPMENT HAVE IT REPAIRED BEFORE CONTINUING USE.
- NEVER POSITION YOURSELF OR ALLOW OTHERS TO POSITION THEMSELVES UNDER A LOADED BODY. ALWAYS PROP THE **UNLOADED** BODY WITH THE SUPPLIED BODY PROPS.
- OVERLOADING OF A TRUCK CAN CAUSE DAMAGE TO THE PROPERTY. NEVER EXCEED THE GROSS AXLE WEIGHT (GAW) OR THE GROSS VEHICLE WEIGHT(GVW) RATING OF YOUR VEHICLE.
- MAKE SURE YOU USE THE BODY PROPS FOR THE BODY WHEN YOU ARE INSTALLING ANY COMPONENTS UNDER A RAISED, UNLOADED BODY.
- THE HEAT FROM THE TRUCK'S EXHAUST SYSTEM COULD LEAD TO HYDRAULIC COMPONENT FAILURE AND A POSSIBLE FIRE. NEVER INSTALL EQUIPMENT TOO CLOSE TO THE EXHAUST SYSTEM.
- TAKE STEPS TO PREVENT SPARKS FROM IGNITING YOUR FUEL SYSTEM WHILE YOU ARE WELDING OR GRINDING DURING INSTALLATION OF EQUIPMENT.
- ALWAYS INSTALL EQUIPMENT IN ACCORDANCE TO YOUR MANUFACTURER'S INSTRUCTIONS. MAKE SURE YOU FULLY UNDERSTAND THE OPERATOR'S MANUAL BEFORE INSTALLING.

WARNING

THE HYDRAULIC SYSTEM SUPPLIED WITH A GIVEN HOIST IS MADE UP OF COMPONENTS (PUMP, VALVES, CYLINDER, RESERVOIR, HOSES, ETC.) THAT ARE DESIGNATED TO BE COMPATIBLE WITH EACH OTHER.

IF YOU SUBSTITUTE ANY COMPONENTS, YOU MUST **MAKE SURE** THAT THEY ARE COMPATIBLE WITH THE OTHER COMPONENTS SUPPLIED. INCOMPATIBLE HYDRAULIC COMPONENTS MAY CAUSE FAILURE OF THE HOIST, WHICH IN TURN COULD CAUSE DAMAGE TO THE TRUCK, PROPERTY, AND CAUSE PHYSICAL INJURY OR COULD RESULT IN DEATH.

AIR-FLO MANUFACTURING WILL VOID ANY WARRANTY, AND RESPONSIBILITY, FOR A GIVEN HOIST THAT HAS BEEN DETERMINED THAT SUBSTITUTED COMPONENTS WERE USED THAT WERE INCOMPATIBLE WITH THE ONES SUPPLIED.

TO ENSURE COMPONENT COMPATIBILITY, CONSULT AIR-FLO MANUFACTURING.

DANGER

DO NOT EXCEED 3200 PSI PRESSURE IN THE HYDRAULIC SYSTEM. THE LIFT CYLINDER IS RATED FOR A MAXIMUM PRESSURE OF 3200 PSI.

SAFETY PRECAUTIONS

DANGER !

NEVER GET UNDER A RAISED BODY FOR ANY REASON UNLESS IT IS EMPTY AND THE BODY PROP IS SUPPORTING THE BODY.

USE OF BODY PROP (EMPTY BODY ONLY):

- 1. RAISE THE BODY TO FULL “UP” POSITION.**
- 2. PUSH AND TURN HANDLE TO LIFT PROP OUT OF RETAINING BRACKET AND PLACE IN UPRIGHT POSITION UNDER HOIST.**
- 3. LOWER BODY UNTIL RESTING ON PROP.**

DANGER LABEL #24013

WARNING !

- 1. NEVER GET UNDER A RAISED BODY UNLESS IT IS EMPTY AND SECURELY PROPPED UP WITH THE BODY PROP.**
- 2. MAKE CERTAIN NO ONE IS BEHIND THE BED BEFORE DUMPING.**
- 3. MAKE CERTAIN THE LOAD IS EVENLY DISTRIBUTED.**
- 4. DO NOT RAISE A LOAD ON UNEVEN OR UNSTABLE GROUND.**
- 5. STAY AT THE CONTROLS THROUGHOUT THE DUMP CYCLE.**
- 6. DO NOT TRY TO FREE A STUCK LOAD BY BACKING AND BRAKING ABRUPTLY.**
- 7. DO NOT LOAD ANY AXLE BEYOND VEHICLE MFG’S RATED CAPACITY.**
- 8. DO NOT MOVE TRUCK WITH THE BODY IN A RAISED POSITION.**

FAILURE TO COMPLY WITH ANY OF THE ABOVE WARNINGS COULD RESULT IN PROPERTY DAMAGE, SERIOUS INJURY OR DEATH.

WARNING LABEL #24014

DANGER !

FAILURE TO SUPPORT THE TAILGATE WHILE OPENING THE TAILGATE FROM THE TOP DOWN WILL RESULT IN THE TAILGATE ROTATING OPEN UNCONTROLLABLY AND COULD RESULT IN SERIOUS INJURY. SUPPORT THE TAILGATE AT THE VERY TOP WHILE OPENING THE TAILGATE FROM THE TOP DOWN.

FAILURE TO KEEP EXTREMITIES AWAY FROM CHAINS AND OTHER PINCH POINTS WHILE OPENING THE TAILGATE FROM THE TOP DOWN COULD RESULT IN SERIOUS INJURY. WHEN OPENING THE TAILGATE FROM THE TOP DOWN, HOLD THE TAILGATE ONLY AT THE VERY TOP AWAY FROM CHAINS AND OTHER PINCH POINTS.

FAILURE TO MAINTAIN PROPER ADJUSTMENT ON TAILGATE LATCH LINKAGE AND/OR FAILURE TO SECURELY LATCH TAILGATE BOTTOM WHILE OPENING TAILGATE FROM THE TOP DOWN WILL RESULT IN THE TAILGATE FALLING WHICH COULD RESULT IN SERIOUS INJURY. LATCH THE TAILGATE AND CHECK FOR PROPER LATCH LINKAGE ADJUSTMENT BEFORE OPENING THE TAILGATE FROM THE TOP DOWN.

DANGER LABEL #24012

MOUNTING INSTRUCTIONS FOR HOIST

THE HOIST IS NORMALLY MOUNTED TO THE TRUCK BEFORE ATTACHING THE BODY TO IT. THE FOLLOWING INSTRUCTIONS APPLY TO BOTH FLAT FRAME AND HUMPED FRAME INSTALLATIONS. POSITION THE SUBFRAME WITH A MINIMUM OF 3" OF CLEARANCE BETWEEN THE CAB AND THE SUBFRAME RAILS. THE BACK OF THE FRAME RAILS SHOULD BE A MINIMUM OF 2" BEHIND THE REAR SPRING SHACKLE. MARK THE TRUCK FRAME FOR CUTTING AT THE BACK OF THE SUBFRAME RAILS. MAKE SURE THE MARKS FOR CUTTING THE TRUCK FRAME ARE ACCURATE AND EVEN FROM SIDE TO SIDE. THE TRUCK FRAME SHOULD NOT EXTEND OUT PAST THE SUBFRAME. TRUCKS WITH HUMPED FRAMES MAY NEED SOME TEMPORARY BLOCKING.

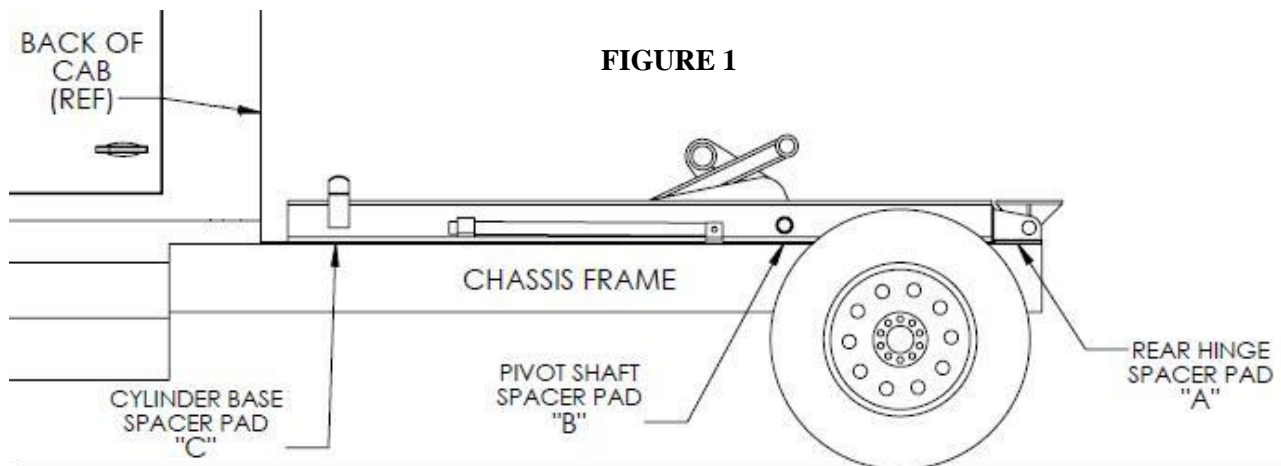
NOTES: ON TRUCKS WITH HUMPED FRAMES THE GAP NEEDS TO BE FILLED WITH SQUARE TUBING BETWEEN THE TRUCK FRAME AND THE SUBFRAME.

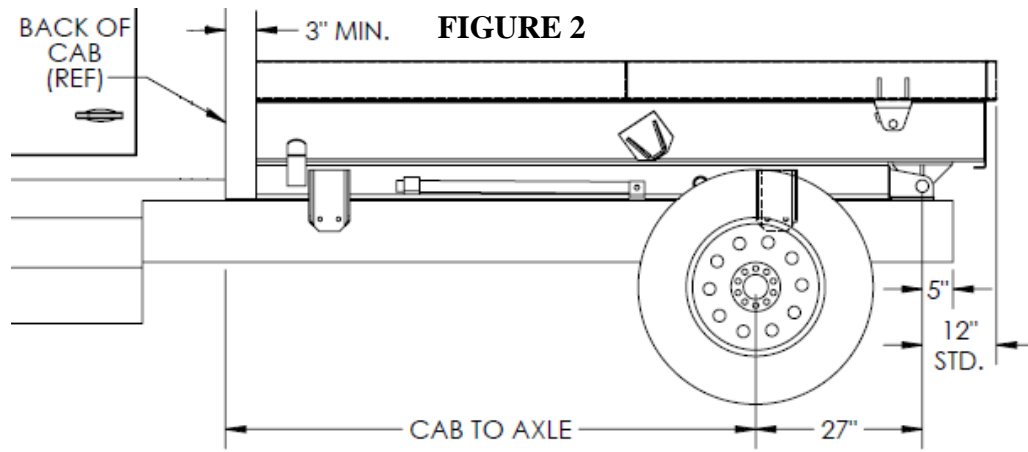
CAUTION: BE CAREFUL OF BRAKE LINES, WIRING, FUEL TANK, ETC. INSIDE OF TRUCK FRAME WHEN DRILLING.

WARNING: BEFORE WORKING UNDER A RAISED, EMPTY BODY, MAKE SURE IT IS SUPPORTED BY THE BODY PROP.

SPACER PADS

IF RIVET HEADS PROTRUDE ABOVE THE CHASSIS FRAME, THEN 3/8" X 2-1/2" SPACER PADS (NOT PROVIDED) SHOULD BE USED. FRONT AND REAR SPACER PADS CAN BE TEMPORARILY PLACED ON THE CHASSIS RAIL, MARKED FOR WHERE THE RIVET HEADS ARE LOCATED, THEN REMOVED AND DRILLED TO ELIMINATE ANY RIVET HEAD INTERFERENCE. SPACER PADS SHOULD BE INSTALLED BY WELDING TO THE HOIST FRAME. THEY **MUST** SUPPORT THE HOIST FRAME AT THE REAR HINGE (A), THE TORQUE ARM PIVOT SHAFT (B), AND THE CYLINDER BASE CROSSMEMBER (C).





INSTALLATION POINTERS

- HOIST FRAME SHOULD ALIGN WITH FRONT OF THE DUMP BODY.
- ALLOW FOR 3" CLEARANCE BETWEEN TRUCK CAB AND FRONT OF HOISTFRAME.
- APPROXIMATE 12" OVERHANG FROM CENTER OF REAR HINGE TO THE BACK OF THE DUMP BODY.
- MAKE SURE THAT THE HOIST FRAME IS SQUARE ON THE CHASSIS. THE CENTERLINE OF THE HINGE SHOULD BE LOCATED BACK OF THE AXLE.
- FOUR PLATES ARE INCLUDED WITH THE SUBFRAME. THESE SHOULD BE WELDED TO THE HOIST SUBFRAME AND BOLTED TO THE CHASSIS FRAME. GRADE 8 5/8" X 2" BOLTS, NUTS, AND LOCK WASHERS ARE INCLUDED FOR BOLTING THESE PLATES.
- SKIP WELD SPACER PADS TO THE HOIST SUBFRAME IF THEY ARE BEING USED. **DO NOT** WELD SPACER PADS TO THE CHASSIS FRAME.
- CHASSIS FRAME SHOULD EXTEND APPROXIMATELY 5" BACK PAST THE REAR END OF THE HOIST FRAME. MEASURING FROM THE CENTER OF THE REAR HINGE PIN.
- HOLES DRILLED IN THE CHASSIS SHOULD RESULT IN SNUG FIT FOR THE 5/8" BOLTS.
- MOUNT PTO PUMP IN A CONVENIENT LOCATION ON THE CHASSIS, AS FAR AWAY FROM THE MUFFLER AND EXHAUST PIPE AS POSSIBLE. KEEP THE DRIVE LINE AS SHORT AS POSSIBLE. USE PUMP BRACKET AS GUIDE FOR DRILLING HOLES IN CHASSIS FRAME, IN ORDER TO BOLT BRACKET AND PUMP IN PLACE.
- DRIVE SHAFT SHOULD BE TRIMMED TO OPTIMAL LENGTH TO ALLOW FOR MAXIMUM ENGAGEMENT IN UNIVERSAL JOINTS.
- MOUNT CONTROLS ON FLOOR OF CAB USING PROVIDED BRACKETS.
- INSTALL ALL OF THE GREASE FITTINGS.

HOLD-DOWN PLATE INSTALLATION

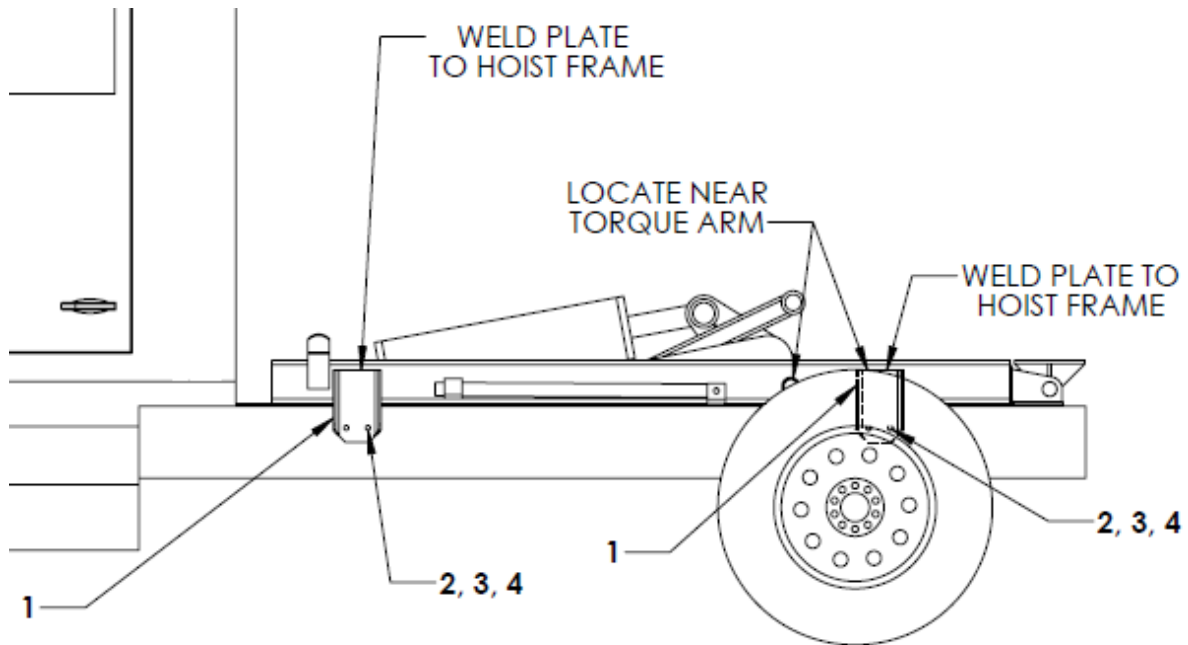


FIGURE 3

ITEM	PART NO.	DESCRIPTION	QTY
1.	75003	HOLD-DOWN PLATE	(4)
2.	01141	BOLT 5/8" X 2" GR.8	(8)
3.	01142	NUT 5/8"	(8)
4.	01147	LOCKWASHER 5/8"	(8)

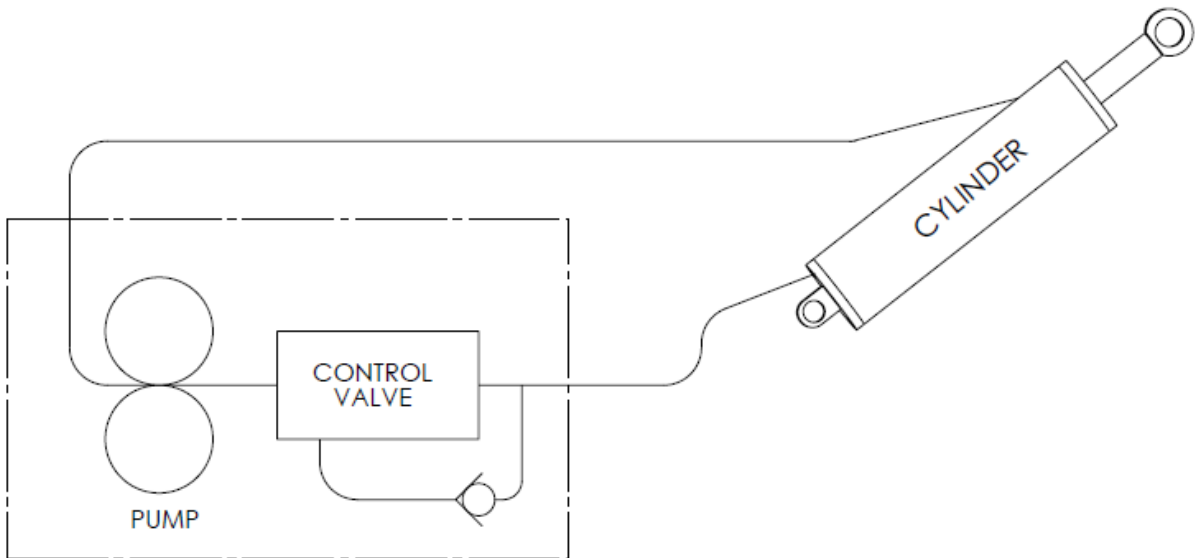


FIGURE 4
HYDRAULIC SCHEMATIC

FILLING CYLINDER

TO FILL CYLINDER, REMOVE VENT PLUG AT TOP OF CYLINDER AND FILL CYLINDER WITH OIL. A HYDRAULIC OIL WITH SAE VISCOSITY RATING OF 10W SHOULD BE USED. THE OIL SHOULD HAVE AN ANTIFOAMANT, RUST AND OXIDATION INHIBITOR, AND AN ANTIWEAR ADDITIVE. IF HYDRAULIC OIL IS NOT AVAILABLE, USE AN API ENGINE OIL, TYPE SE, WITH AN SAE RATING OF 10W.

DO NOT USE OTHER MOTOR OILS, HYDRAULIC BRAKE FLUID, AIRCRAFT HYDRAULIC FLUID, OR TRANSMISSION FLUIDS.

REINSTALL VENT PLUG.

! CAUTION !

WHEN ANY WORK IS TO BE DONE ON BODY OR HOIST AND BODY IS FULLY OR PARTIALLY RAISED, BODY MUST BE PROPPED OR BLOCKED SECURELY SO IT CANNOT FALL (SEE FIG. 5). IN ADDITION, THE HOIST CONTROL LEVER MUST BE IN NEUTRAL WITH THE HOIST LEVER LOCKOUT IN THE “LOCK” POSITION AND THE PTO DISENGAGED.

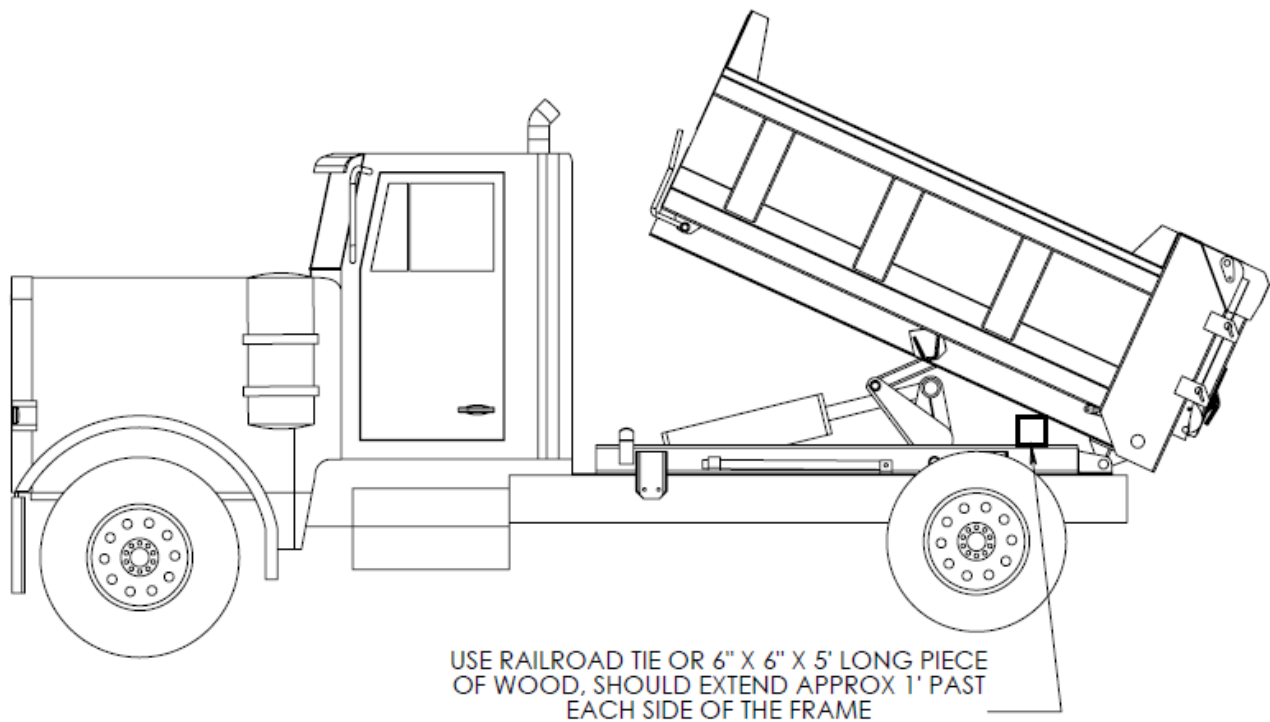


FIGURE 5
BLOCKING THE BODY

RAISE BODY SLOWLY UNTIL CYLINDER IS FULLY EXTENDED AND BLOCK BODY SECURELY (SEE FIGURE 5). REMOVE VENT PLUG FROM TOP OF CYLINDER TO REFILL CYLINDER IF NECESSARY. RAISE AND LOWER THE BODY SEVERAL TIMES TO REMOVE AIR FROM THE SYSTEM. RECHECK OIL LEVEL. WITH BODY RAISED, OIL LEVEL SHOULD BE 2" TO 3" BELOW FILL HOLE IN CYLINDER. REINSERT VENT PLUG.

DUAL BODY PROPS ARE FACTORY INSTALLED ON EACH SIDE OF THE HOIST SUBFRAME. WHEN IN USE THESE SHOULD BE POSITIONED AGAINST THE BODY CROSSMEMBER.

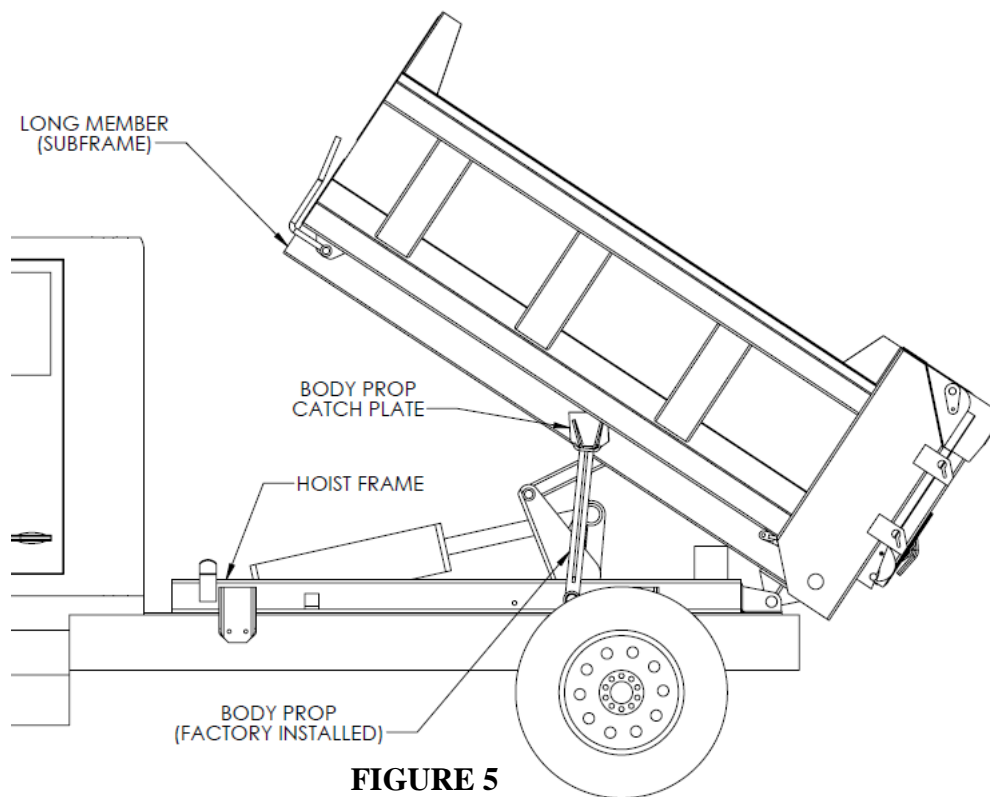


FIGURE 5
BLOCKING THE BODY

BODY PROP USE INSTRUCTIONS:

1. THE DUAL BODY PROPS SHOULD BE USED WHENEVER ANY ACTIVITY IS TO BE PERFORMED UNDER A RAISED, EMPTY BODY.

WARNING: NEVER USE THE BODY PROPS TO SUPPORT A LOADED BODY!

2. TO PROP THE RAISED BODY:
 - A. RAISE THE BODY TO A HEIGHT SLIGHTLY HIGHER THAN THE REACH OF THE PROPS.
 - B. SHUT OFF ALL POWER TO THE UNIT, MAKING SURE THE PUMP CONTROL KNOB IS IN THE NEUTRAL POSITION.
 - C. GRAB THE PROPS FROM THE LATCHED POSITION BY TURNING THE PROP HANDLE CLOCKWISE WHILE PUSHING HANDLE IN.
 - D. MOVE PROPS UPWARDS INTO VERTICAL POSITION.
 - E. PUSH DOWN UNTIL PROP LOCKS INTO VERTICAL POSITION.
 - F. USING THE CAB CONTROLS, LOWER THE BODY SLOWLY UNTIL UPPER CROSSBEAM OF THE BODY COMES TO REST ON THE HOOKS OF THE BODY PROPS (SEE FIG. 6).

WARNING: DO NOT POWER DOWN THE HOIST WHILE BODY PROPS ARE SUPPORTING THE BODY.

3. TO LOWER THE PROPS FOR OPERATION OF TRUCK, “REVERSE” THE STEPS ABOVE.

CAUTION: NEVER POSITION YOURSELF OR ALLOW OTHERS TO THEMSELVES UNDER A LOADED BODY.

DUMP BODY OPERATING INSTRUCTION

TO DUMP A COMPLETE LOAD:

1. CHECK TO MAKE SURE THE TAILGATE SPREADER CHAINS ARE LOCKED INTO THE CORNER POST CHAIN HOLDERS, AND THAT THEY HAVE ENOUGH SLACK TO ALLOW THE TAILGATE TO OPEN COMPLETELY.
2. REMOVE THE DUMP RELEASE HANDLE SAFETY CHAIN AND PUSH THE HANDLE DOWNWARD TO DISENGAGE THE TAILGATE LOCKING MECHANISM.
3. ENGAGE THE HOIST AND RAISE THE BODY TO MAXIMUM HEIGHT. DRIVE TRUCK FORWARD IF NECESSARY TO COMPLETE THE DUMP.

CAUTION: BE ALERT FOR ANY OVERHEAD OBSTRUCTIONS WHILE RAISING THE DUMP BODY.

WARNING: NEVER STAND DIRECTLY BEHIND THE DUMP BODY WHILE DUMPING A LOAD! NEVER STAND IN OR ON THE DUMP BODY WHILE DUMPING! NEVER STAND ON ANY PART OF THE TRUCK WHILE OPERATING THE DUMP BODY!

4. WHEN LOAD IS FINISHED DUMPING, LOWER THE HOIST AND PULL THE DUMP HANDLE UPWARDS UNTIL FULLY CLOSED. REPLACE THE SAFETY CHAIN AROUND THE HANDLE.

TO SPREAD A LOAD:

1. LOCK THE TAILGATE SPREADER CHAINS INTO THE LOWEST CORNER POST CHAIN HOLDER. CHECK TO MAKE SURE THAT THE SLACK IN THE CHAIN IS AT THE DESIRED LENGTH, AND THAT IT IS EVEN ON BOTH SIDES.
2. REMOVE THE DUMP RELEASE HANDLE SAFETY CHAIN. ENGAGE THE HOIST AND RAISE THE BODY JUST ENOUGH FOR THE LOAD TO DUMP.
3. PULL THE TRUCK FORWARD AND PULL THE DUMP RELEASE HANDLE DOWN TO DISENGAGE THE TAILGATE LOCKING MECHANISM. THEN BEGIN SPREADING THE LOAD.
4. WHEN THE LOAD IS FINISHED DUMPING, LOWER THE HOIST AND PULL THE DUMP RELEASE HANDLE UPWARDS UNTIL FULLY CLOSED. REPLACE THE SAFETY CHAIN AROUND THE HANDLE.

TROUBLESHOOTING

WARNING: THE BODY PROP MUST BE USED BEFORE WORKING ON ANY RAISED BODY!

1. HOIST WILL NOT RAISE WITH LOAD:

A. THE LOAD MAY BE TOO HEAVY OR TOO FAR FORWARD.

- 1a. REDUCE THE LOAD OR DISTRIBUTE THE LOAD TO THE REAR.

B. A HYDRAULIC LINE MAY HAVE A RESTRICTION OR BE DAMAGED.

- 1b. CHECK FOR DAMAGED OR PINCHED LINE. REPLACE OR RE-ROUTE LINE IF NECESSARY.

C. THE VALVE MAY NOT BE ACTUATING PROPERLY.

- 1c. WHEN ENGAGED, THE VALVE MUST RUN A FULL STROKE. CHECK THE VALVE FOR DAMAGE OR CONTAMINATION. CLEAN VALVE OR REPLACE DAMAGED VALVE IF NECESSARY.
- 2c. CHECK FOR WEAR ON THE PUMP CONTROL CABLE. REPLACE IF NECESSARY.

NOTICE: THE PUMP CONTROL KNOB SHOULD RETURN TO THE NEUTRAL POSITION NATURALLY, WHEN KNOB IS RELEASED.

D. THE PUMP PRESSURE MAY NOT BE SET CORRECTLY.

- 1d. THE MAXIMUM OUTPUT PRESSURE SHOULD BE 1500 PSI FOR THE HOIST.
- 2d. IF THE PUMP RELIEF VALVE CANNOT BE ADJUSTED TO MEET THE REQUIRED SPECIFICATIONS, THEN REPLACE THE PUMP.

2. HOIST WILL NOT LIFT LOAD TO THE TOP OF THE CYCLE:

A. THE OIL LEVEL IN THE RESERVOIR MAY BE LOW.

- 1a. CHECK THE OIL LEVEL IN THE RESERVOIR. ADD OIL IF THE OIL LEVEL LOWER THAN 2" FROM THE TOP WITH THE HOIST IN THE CLOSED POSITION.

3. HOIST DELAYS BEFORE BEGINNING TO LIFT:

A. THE SYSTEM MAY HAVE AIR TRAPPED IN IT.

- 1a. RUN THE HOIST FOR A FULL CYCLE 6-7 TIMES TO REMOVE ALL AIR FROM THE CYLINDER.

B. THE PUMP MAY BE INADVERTANTLY DRAWING AIR INTO THE SYSTEM.

- 1b. CHECK ALL THE HOSES AND FITTINGS TO MAKE SURE THAT NO AIR IS BEING DRAWN INTO THE SYSTEM. TIGHTEN THE FITTINGS AND HOSES. REPLACE IF NECESSARY.

4. THE HOIST LIFTS SLOWLY:

A. THE FLOW RATE OF THE PUMP MAY BE TOO LOW.

- 1a. CLEAN THE RESERVOIR FILTER SCREEN AND BREATHER CAP IF NECESSARY.
- 2a. CHECK FOR SEVERE BENDS IN THE PUMP SUCTION HOSE. REPLACE IF DAMAGED OR RE-ROUTE.

B. THE OIL MAY BE TOO THICK.

- 1b. REPLACE WITH A LIGHTER WEIGHT OIL.

5. LOAD SLOWLY DESCENDS WHILE IN A HOLD POSITION:

A. OIL MAY BE LEAKING.

- 1a. THE VALVE MAY BE DEFECTIVE OR WORN. REPLACE IF NECESSARY.
- 2a. THERE MAY BE AN OIL LEAK PAST THE CYLINDER SEALS. REPLACE ALL OF THE SEALS OR THE CYLINDER IF NECESSARY.
- 3a. THERE MAY BE AN EXTERNAL LEAK. INSPECT ALL THE HOSES, FITTINGS, AND THE CYLINDER FOR ANY OIL LEAKS. REPAIR OR REPLACE AS NEEDED.

GENERAL MAINTENANCE

WARNING: BEFORE WORKING UNDER A RAISED BODY, MAKE SURE IT IS SUPPORTED BY THE BODY PROPS!

HOIST SYSTEM

CLEANLINESS IN HANDLING OF THE HYDRAULIC OIL CANNOT BE STRESSED ENOUGH. TO INSURE MAXIMUM PERFORMANCE OF THE SYSTEM, THE OIL MUST BE KEPT IN CLOSED CONTAINERS AND HANDLED WITH CLEAN MEASURES. OIL MUST BE CHANGED EVERY 200 HOURS UNDER NORMAL USE CONDITIONS. IN HEAVY USE AND/OR DUSTY CONDITIONS, FLUID SHOULD BE CHANGED MORE OFTEN

CHECK FLUID LEVEL AT LEAST ONCE A WEEK. REPAIR ANY LEAKS AS SOON AS POSSIBLE

BODY

ANY RUST SPOTS SHOULD BE SAND-BLASTED OR SANDED, THEN REPAINTED WITH A GOOD QUALITY PRIMER AND ACRYLIC ENAMEL PAINT. THIS SHOULD BE DONE EVERY SPRING. SPECIAL ATTENTION MUST BE GIVEN TO THE SPLASH AREA ABOVE THE REAR WHEELS, AS THIS IS THE AREA WHERE PAINT IS MOST LIKELY TO WEAR OFF.

OPERATION OF BODY PROP

WARNING: DO NOT USE A BODY PROP TO SUPPORT A LOADED BODY!!

- 1) Raise body to sufficient height and shut off all power.
- 2) Grasp prop at arms length and rotate prop upwards.
- 3) Swing prop up to vertical position and push down until prop locks in line with support bracket on the truck body.
- 4) Using inside-the-cab controls, lower body slowly until prop contacts support bracket.

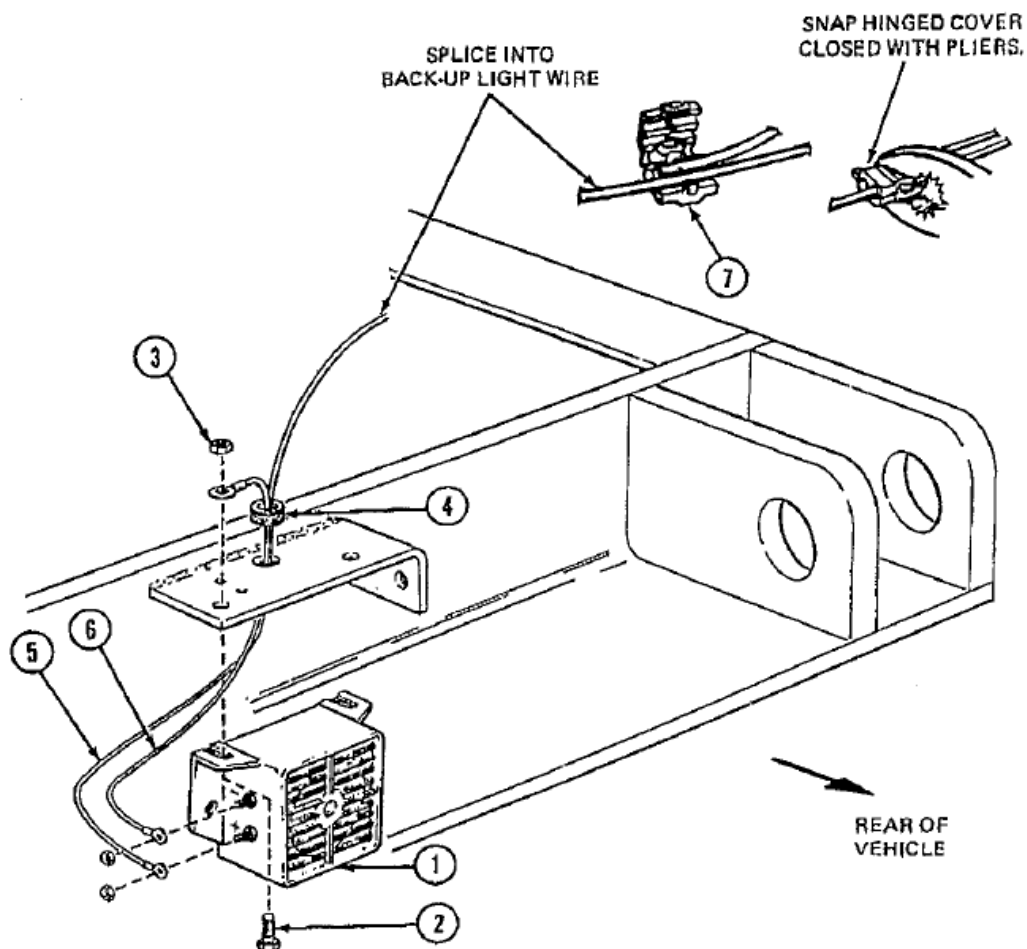
WARNING: DO NOT POWER HOIST DOWN!!

- 5) To lower prop for the operation of the truck, “reverse” the procedure of the above four steps.

NOTE: Step E applies only to

CAUTION DECAL LOCATION

BACK-UP ALARM INSTALLATION



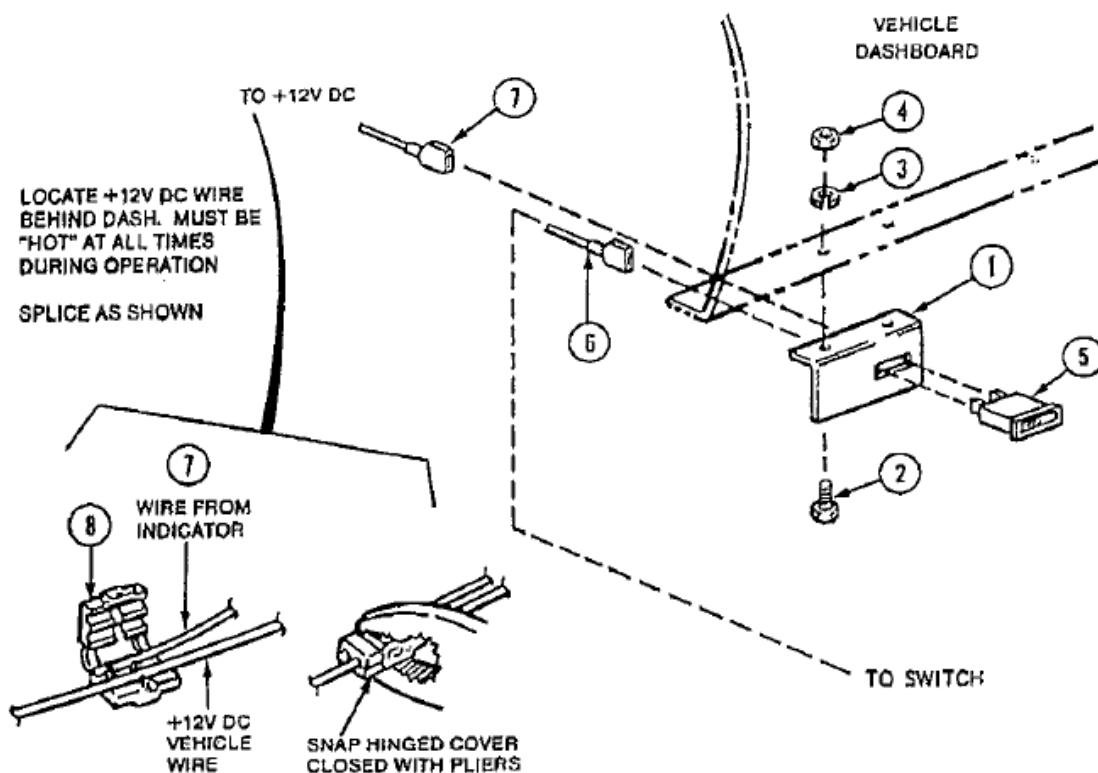
BACK-UP ALARM KIT (07058) CONSISTS OF:

ITEM	DESCRIPTION	QTY.
1.	ALARM	(1)
2.	CAPSCREW $\frac{1}{4}$ "-20 NC X $\frac{3}{4}$ "	(2)
3.	LOCK NUT $\frac{1}{4}$ " X 20 NC	(2)
4.	GROMMET	(1)
5.	WIRE, RED 36"	(1)
6.	WIRE, BLACK 6"	(1)
7.	WIRE CONNECTOR	(1)

OPTIONAL BODY-UP LIGHT KIT INSTALLATION

THE BODY-UP LIGHT KIT IS AN OPTIONAL FEATURE THAT INDICATES THAT THE BODY IS IN A RAISED POSITION. POSITION THE BODY RAISED SWITCH ON THE LEFT SIDE ON THE FRONT OF THE HOIST FRAME OR TO THE CHASSIS FRAME. IF ATTACHED TO THE HOIST FRAME, THE BRACKET MAY BE WELDED OR BOLTED IN PLACE. IF MOUNTED TO THE CHASSIS FRAME, USE THE BRACKET AS A TEMPLATE AND DRILL TWO HOLES. ADJUST THE ACTIVATING SCREW SO THAT THE SWITCH BUTTON IS DEPRESSED ABOUT 3/16".

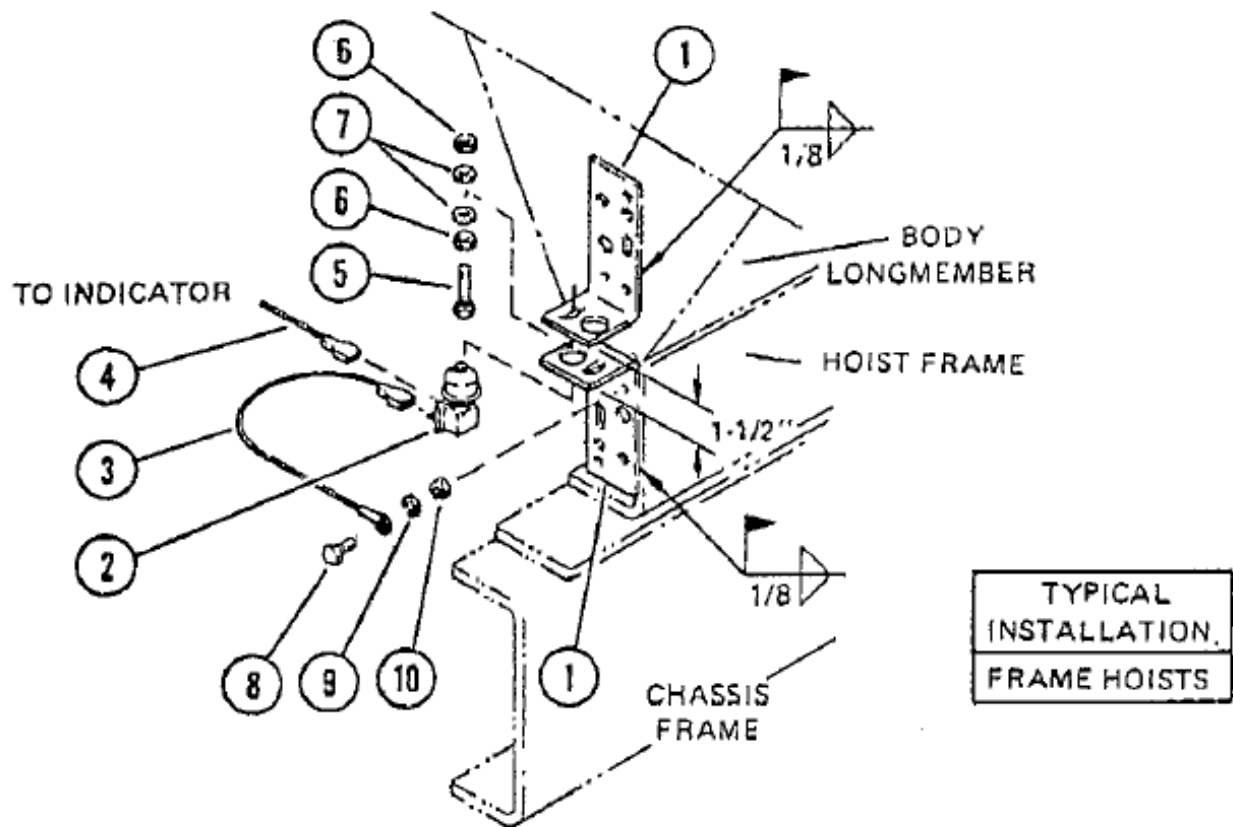
LOCATE INDICATOR LIGHT UNDER VEHICLE DASHBOARD OR AT ANY OTHER CONVENIENT LOCATION VISIBLE TO THE OPERATOR. USE THE BRACKET AS A TEMPLATE AND DRILL TWO HOLES FOR #10 SCREWS. CONNECT WIRING AS SHOWN. TEST TO ENSURE PROPER OPERATION.



DASHBOARD MOUNT PORTION OF 07059 BODY-UP LIGHT KIT CONSISTS OF:

ITEM	DESCRIPTION	QTY.
1.	BRACKET	(1)
2.	HEX HEAD CAPSCREW 10-24 X3/4"	(2)
3.	LOCKWASHER NO. 10	(2)
4.	HEX NUT 10-24	(2)
5.	INDICATOR LIGHT	(1)
6.	WIRE	(1)
7.	WIRE	(1)
8.	CONNECTOR	(1)

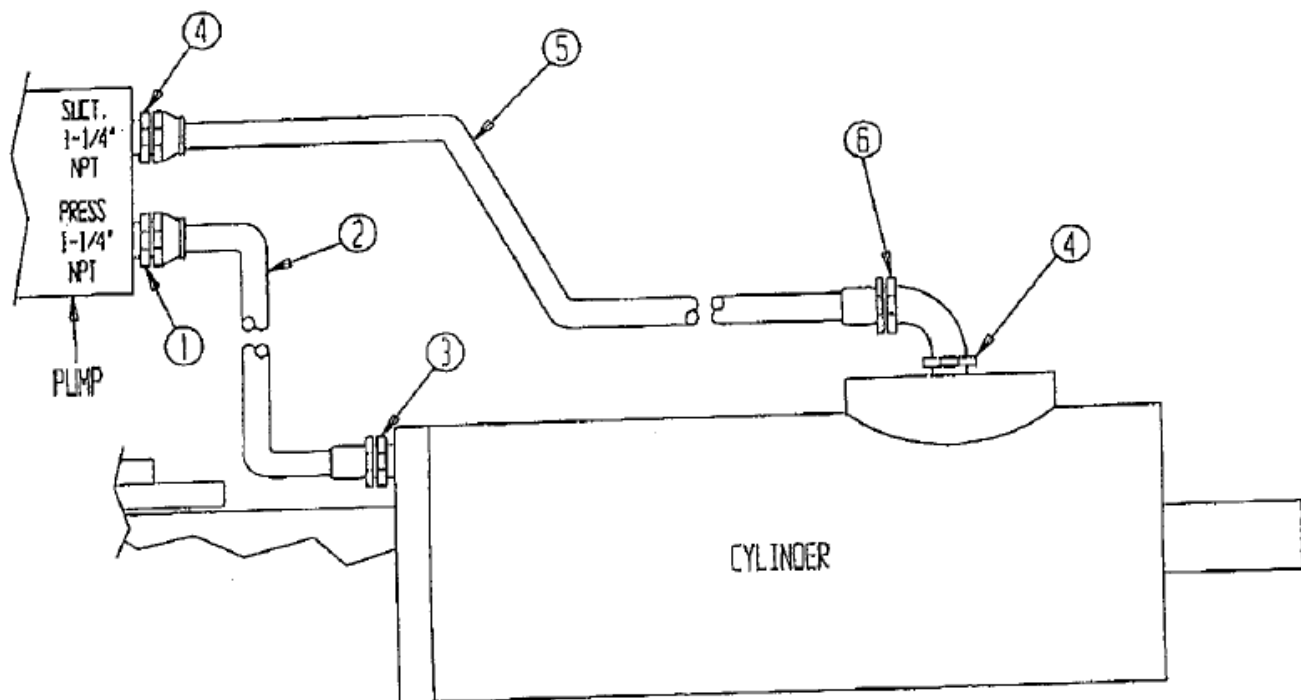
BODY-UP LIGHT KIT INSTALLATION (CONT.)



SWITCH MOUNT PORTION OF 07059 BODY-UP LIGHT KIT CONSISTS OF:

ITEM	DESCRIPTION	QTY
1.	BRACKET	(2)
2.	SWITCH	(1)
3.	WIRE	(1)
4.	WIRE	(1)
5.	HEX HEAD CAPSCREW 1/4"-20NC X 1-1/4" NC	(1)
6.	HEX NUT 1/4" 20 NC	(2)
7.	FLAT WASHER 1/4"	(2)
8.	HEX HEAD CAPSCREW 10-24 NC X 3/4"	(1)
9.	LOCKWASHER NO. 10	(1)
10.	HEX NUT 10-24 NC	(1)

SINGLE-ACTING HYDRAULIC SCHEMATIC



ITEM	PART NO.	DESCRIPTION	QTY.
1.	11050	SWIVEL $\frac{3}{4}$ " MALE X $\frac{3}{4}$ " FEMALE	(1)
2.	12026	HOSE $\frac{3}{4}$ " X 96"	(1)
3.	11051	45 DEG. SWIVEL $\frac{3}{4}$ " M X $\frac{3}{4}$ " F	(1)
4.	11047	REDUCING BUSHING 1-1/4" X 1"	(2)
5.	12025	HOSE 1" X 96"	(1)
6.	11049	90 DEG. STREET ELBOW 1"	(1)

PRO-MAX™ PART'S LIST

<u>PART NUMBER</u>	<u>DESCRIPTION</u>
01141	BOLTS, 5/8" X 2" (8 REQUIRED)
01142	NUTS, 5/8" (8 REQUIRED)
01147	LOCKWASHERS, 5/8" (8 REQUIRED)
04202	66" TAILGATE CHAIN W/ SLEEVE FOR PMX-10-5
04204	72" TAILGATE CHAIN W/SLEEVE FOR PMX-10-6
07058	BACK-UP ALARM
07059	BODY UP LIGHT KIT
09012	RED HANDLE GRIP FOR COAL DOOR
09013	YELLOW HANDLE GRIP FOR DUMP LEVER
11047	FITTING, REDUCER BUSHING, 1-1/4" X 1"
11048	FITTING, SWIVEL, 1" MALE X 1" FEMALE
11049	FITTING, STREET ELBOW, 90 DEG.
11050	FITTING, SWIVEL, 3/4" MALE X 3/4" FEMALE
11051	FITTING, SWIVEL, 45 DEG., 3/4" MALE X 3/4" FEMALE
12025	HYDRAULIC HOSE 1" x 96"
12026	HYDRAULIC HOSE 3/4" x 72"
13020	CONTROLS KIT (DUMP CONTROL, PTO CONTROL WIRE, IN-CAB MOUNTING BRACKET
24010	RED DANGER STICKER 5" X 7" (2 ARE INCL. IN KIT)
24014	ORANGE WARNING STICKER 5 X7 (2 IN KIT)
24015	AIR-FLO STICKER (FOR HOIST) (2 IN KIT)
24017	ORANGE DANGER STICKER 6.5 X 8.75" (1 IN KIT)
24019	MAX. PSI CYLINDER (1 IN KIT)
24039	STICKER KIT (INCLUDES ALL THE ABOVE STICKERS)
70056	SPREADER APRON

PROMAX™ PARTS LIST (CONT.)

<u>PART NUMBER</u>	<u>DESCRIPTION</u>
70068	AIR-OPERATED TAILGATE (LESS VALVE)
70262	PUMP KIT (SINGLE-ACTING)
70263	PUMP KIT (DOUBLE-ACTING)
70264	HYDRAULIC CYLINDER, 8.00" X 21.63" X 2.25"
75001	SUBFRAME AND HOIST COMPLETE W/ CYLINDER
75003	SUBFRAME BRACKET (4 ARE REQUIRED) (USE THE 5/8" X 2" BOLTS TO INSTALL)
75004	HALF CAB SHIELD
75005	COAL DOOR SHIPPED LOOSE
75006	MANUAL, INSTALLATION AND OPERATION
86015	LIGHT KIT, INCLUDES WIRE HARNESS, 7 LIGHTS AND RUBBER MOUNTS
86038	MARKER TAILLIGHTS (RED)
86039	RUBBER MOUNT (FOR MARKER TAILLIGHTS)

WARRANTY

AIR-FLO® MANUFACTURING CO., INC.

P.O. BOX 289 * PRATTSBURGH, NEW YORK 14873
PHONE (607) 522-3574 * FAX (607) 522-4412

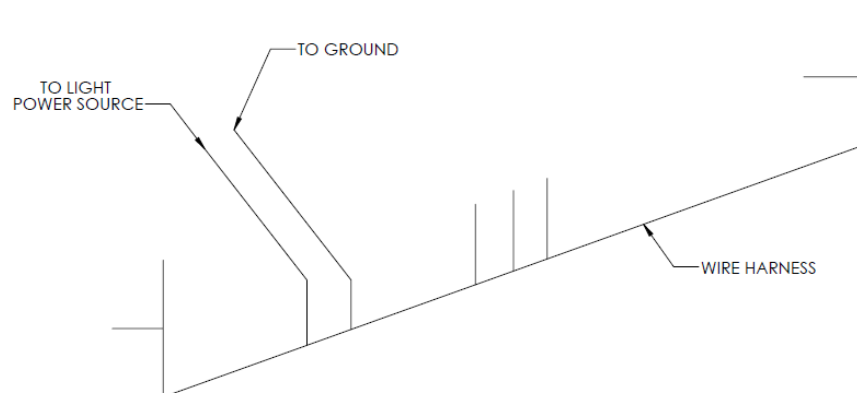
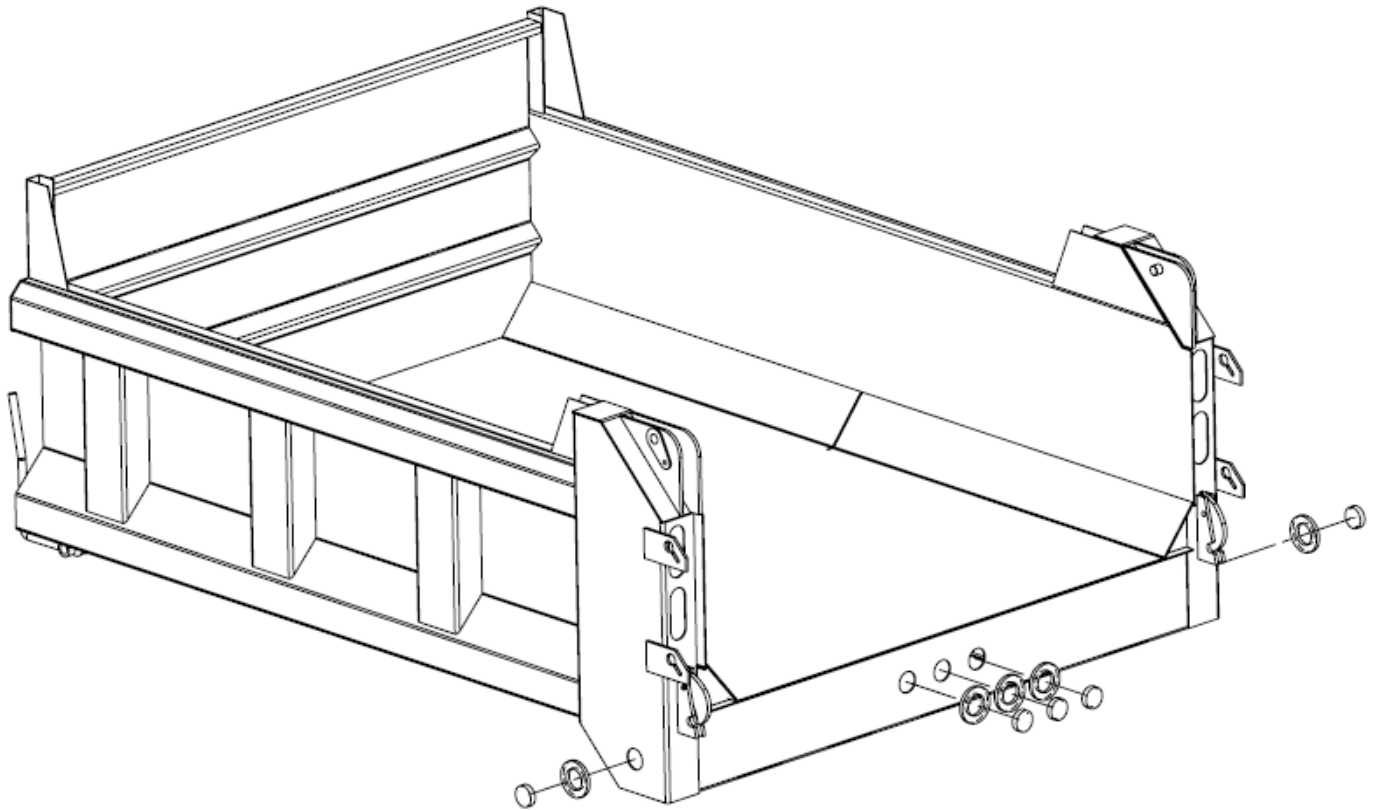
OPERATOR & PARTS MANUAL

PRO-MAX™ DUMP BODY & HOIST

AIR-FLO®

PRO-MAX BODY

LIGHT KIT INSTALLATION



1. INSERT RUBBER GROMMETS INTO CORNER POSTS AND REAR APRON
2. RUN WIRE HARNESS ALONG THE REAR APRON AND CONNECT TO LIGHTS
3. INSTALL LIGHTS IN GROMMETS

PRO-MAX BODY DANGER LABEL LOCATIONS

DON'T KNOW WHAT THEY LOOK LIKE TO MAKE PICTURE