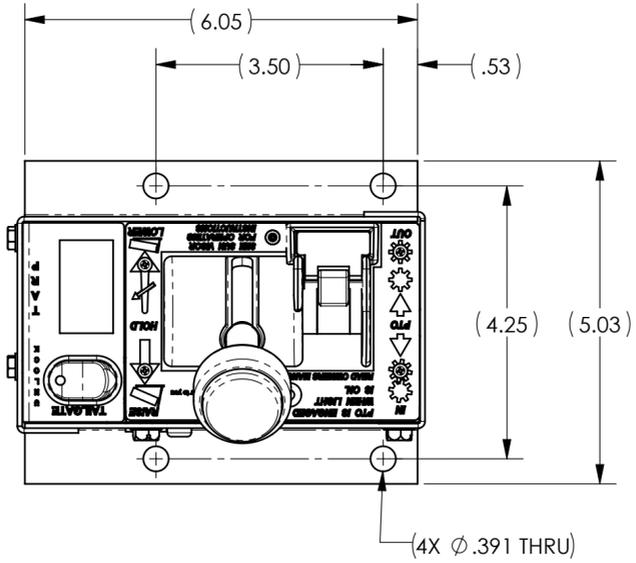


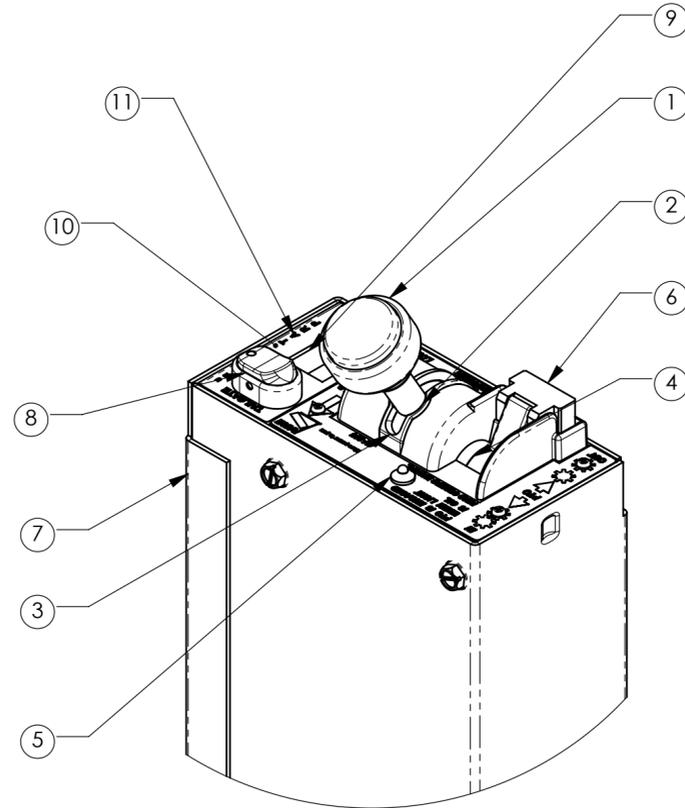
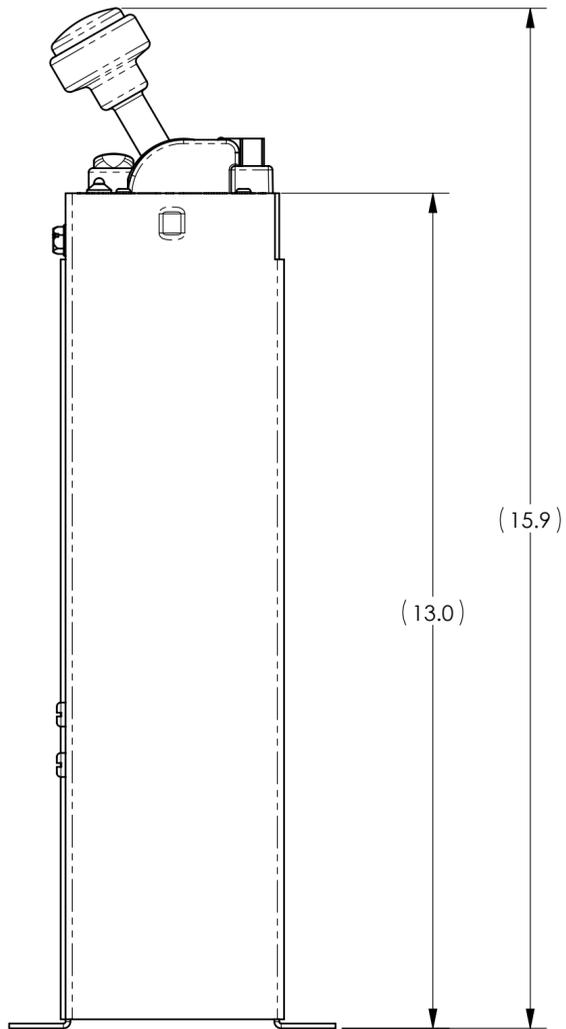
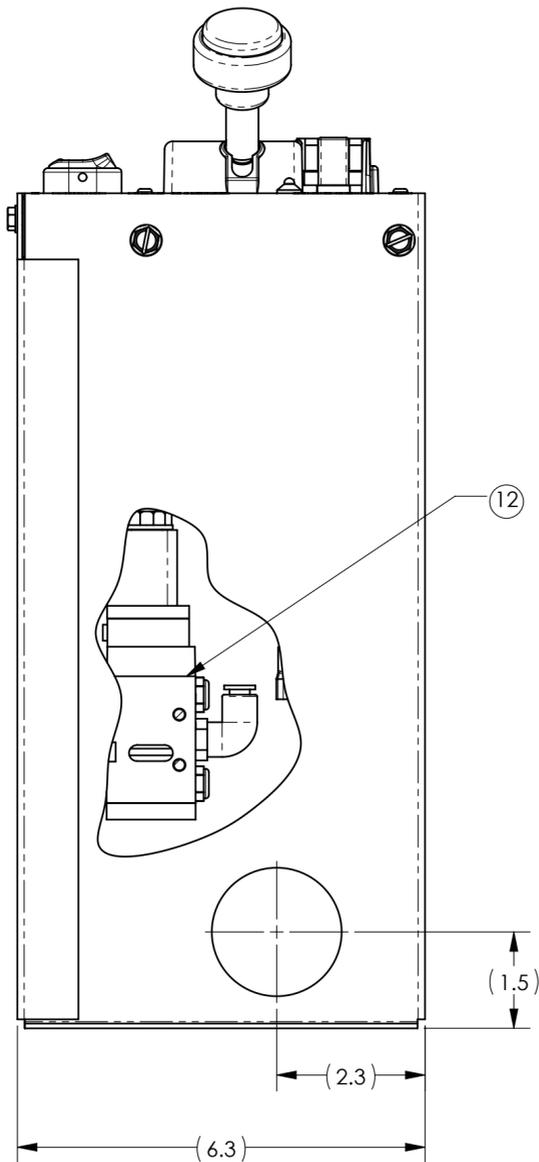


AVC-295-TGMT-13

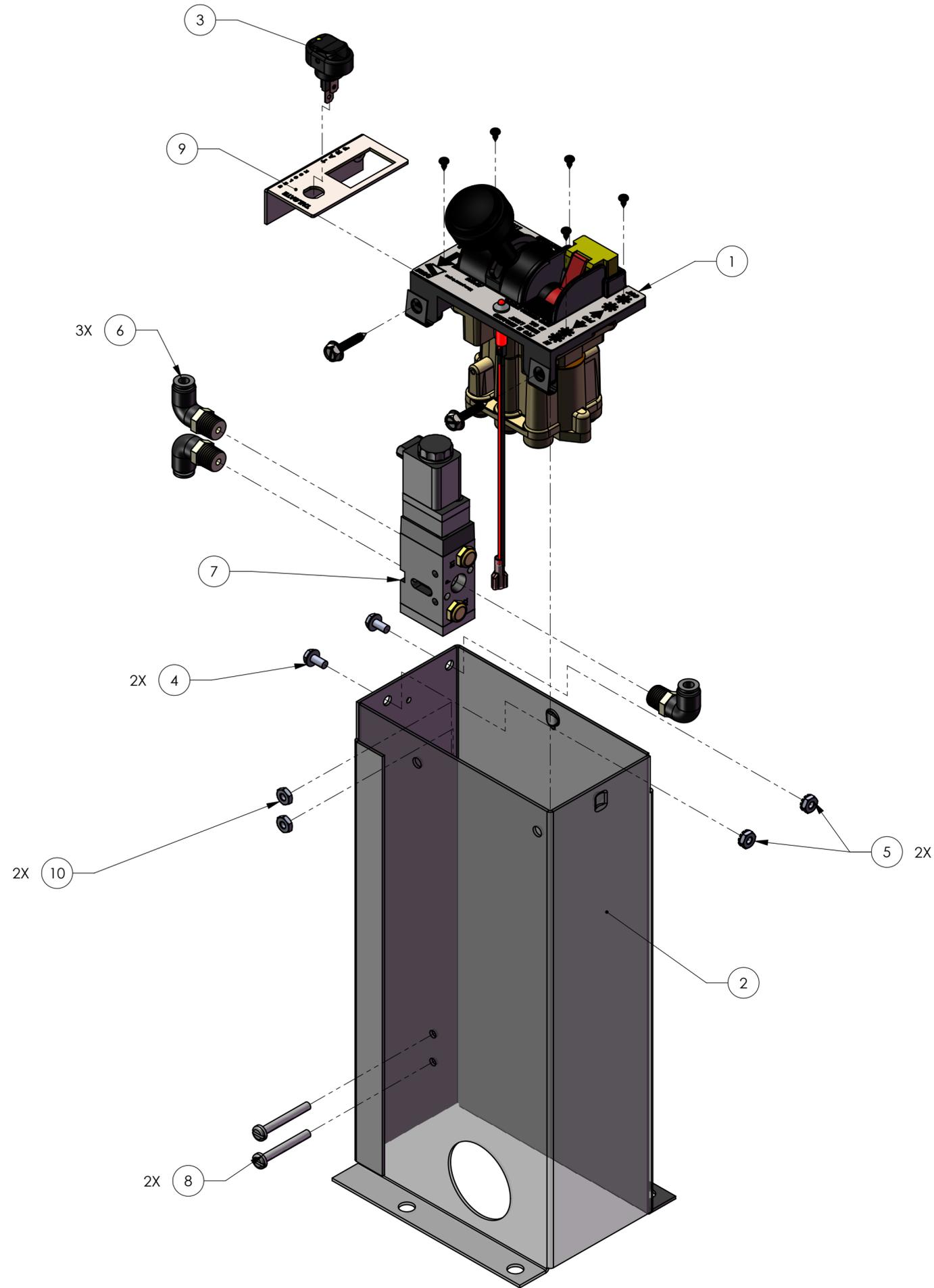
REVISIONS					
ECR	REVISION	DESCRIPTION	CHANGED BY	DATE	APPROVED BY
3123	B	ITEM NO. 4366 WAS 4917, REFORMATTED DRAWING	JC	6/27/2016	FH



1. HOIST CONTROL (AIR) W/ CONTROLLED LOWER
2. POSITIVE NEUTRAL DETENT
3. FRICTION DETENT OR SPRING RETURN TO NEUTRAL (IN RAISE) AVAILABLE
4. AIR PTO WITH AUTO OR MANUAL KICKOUT AVAILABLE
5. PTO INDICATOR LIGHT
6. SAFETY SWITCH TO ELIMINATE AUTOMATIC DISENGAGEMENT
7. 13" POWDERCOAT STEEL CONSOLE
8. ELECTRICAL TAILGATE ROCKER SWITCH
9. TARP SWITCH CUT-OUT (SWITCH PROVIDED BY CUSTOMER)
10. BRUSHED STAINLESS STEEL MOUNTING BRACKET
11. SILK SCREEN APPLICATION ON VERBAGE
12. 4-WAY VALVE W/ 1/4 PORTS 12V ELECTRIC



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<p>TYPE OF PROJECTION THIRD ANGLE PROJECTION</p>		<p>MATERIAL N/A</p>	
<p>DRAWN JC DATE 5/6/2016</p>	<p>CHECKED DJ DATE 5/6/2016</p>	<p>FINISH N/A</p>	
<p>APPROVED FH DATE 5/6/2016</p>	<p>FINAL FH DATE 5/6/2016</p>	<p>TITLE: HOIST/PTO/TG/TARP VAL 13" CON</p>	
<p>DWG. NO. AVC-295-TGMT-13</p>		<p>ASSEMBLY TOLERANCE DO NOT SCALE DRAWING APEN001</p>	<p>SHEET SIZE C</p>
<p>F/N: AVC-295-TGMT-13</p>		<p>SCALE 1:2</p>	<p>REVISION B</p>
			<p>SHT. 1 OF 3</p>



REVISIONS					
ECR	REVISION	DESCRIPTION	CHANGED BY	DATE	APPROVED BY
3123	B	ITEM NO. 4366 WAS 4917, REFORMATTED DRAWING	JC	6/27/2016	FH

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	AV-295	HOIST/PTO VAL APSCO REG	1
2	3239-W13	CONSOLE BASE 13" WIDE FOR TG	1
3	5582	SWITCH ROCKER AMBER LED	1
4	2447	CAPS 10-32 X 3/8 BH BLACK	2
5	4313	NUT, KEPS 10-32 UNF-2B, ZINC	2
6	3761	FITTING QC 1/4 TUBE 1/4 NPT EB	3
7	VE-2	VALVE 4 WAY 1/4 NPT 12 V ELECTR	1
8	5852	CAPS 8-32 X 1 1/2 BH BLACK	2
9	5896	FACEPLATE, TAILGATE-TARP	1
10	1364	NUT 8-32 NF HEX FULL	2

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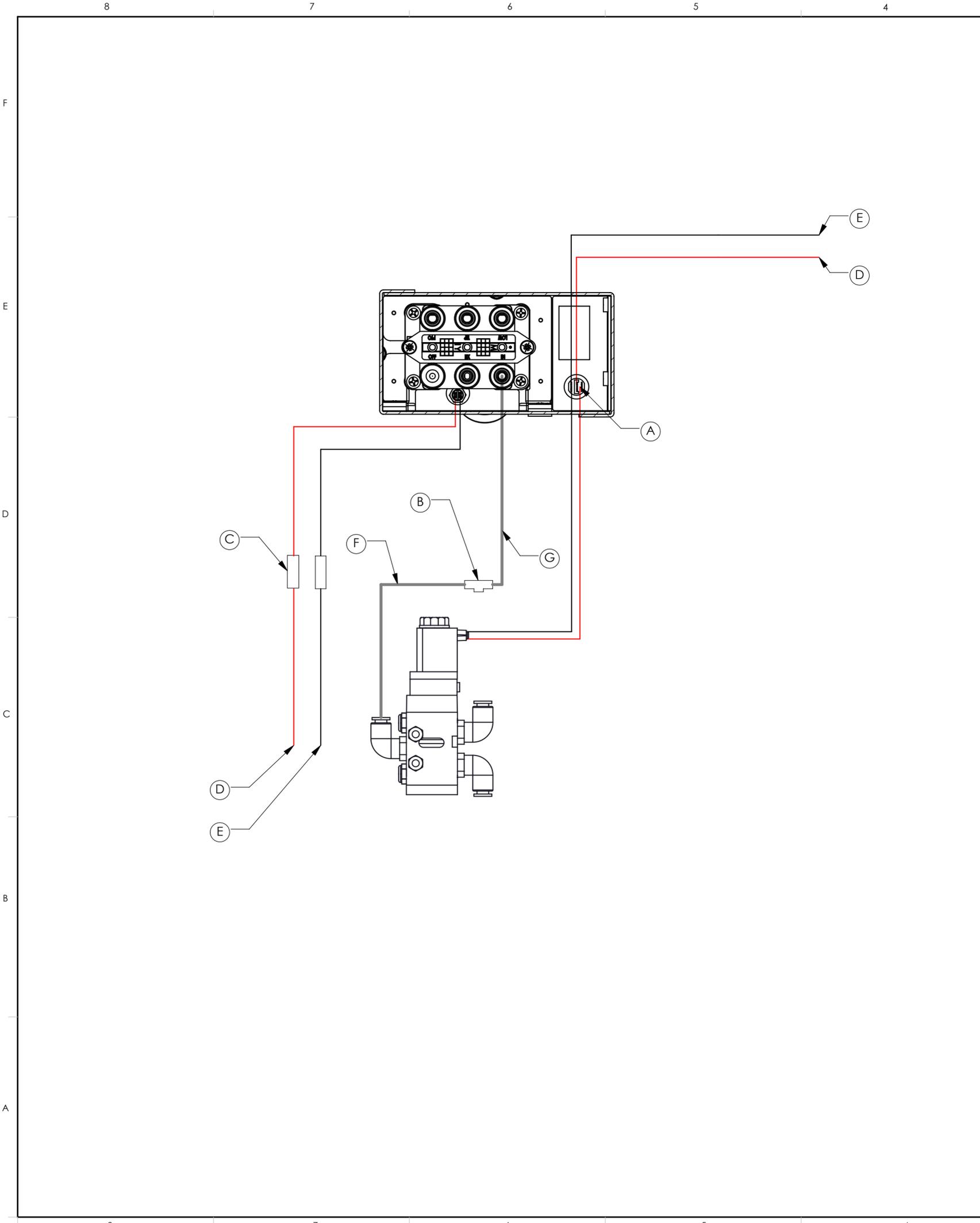
APSCO
 8178 EAST 44TH STREET
 TULSA, OK 74145
 (918) 622-5600

TITLE: HOIST/PTO/TG/TARP VAL 13" CON
 DWG. NO. AVC-295-TGMT-13

TYPE OF PROJECTION THIRD ANGLE PROJECTION	MATERIAL N/A	FINISH N/A
DRAWN JC DATE 5/6/2016	CHECKED DJ DATE 5/6/2016	APPROVED FH DATE 5/6/2016
FINAL FH DATE 5/6/2016	ASSEMBLY TOLERANCE DO NOT SCALE DRAWING APEN001	

SHEET SIZE C	SCALE 1:2	REVISION B
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F/N: AVC-295-TGMT-13 SHT. 2 OF 3



REVISIONS					
ECR	REVISION	DESCRIPTION	CHANGED BY	DATE	APPROVED BY
3123	B	ITEM NO. 4366 WAS 4917, REFORMATTED DRAWING	JC	6/27/2016	FH

CONNECTORS AND FITTINGS					
LETTER	PART NUMBER	QUANTITY	UNITS	DESCRIPTION	
A	4919	3	EA	CONNECTOR 16-14 AWG FEMALE- BL	
B	3758	1	EA	TEE UNION 1/4 TUBE	
C	4366	2	EA	CONNECTOR 22-18 AWG BUTT RED	

WIRES					
LETTER	PART NUMBER	LENGTH	UNITS	QUANTITY	DESCRIPTION
D	4915	15	FEET	2	WIRE 16 AWG RED
E	4916	15	FEET	2	WIRE 16 AWG BLACK

TUBES					
LETTER	PART NUMBER	LENGTH	UNITS	QUANTITY	DESCRIPTION
F	1707	2	INCHES	1	TUBE 1/4 DOT BLACK
G	1707	4	INCHES	1	TUBE 1/4 DOT BLACK

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APSCO
 8178 EAST 44TH STREET
 TULSA, OK 74145
 (918) 622-5600

TITLE: HOIST/PTO/TG/TARP VAL 13" CON
 DWG. NO. AVC-295-TGMT-13

TYPE OF PROJECTION	MATERIAL	FINISH	SHEET SIZE	SCALE	REVISION
THIRD ANGLE PROJECTION	N/A				
DRAWN JC	DATE 5/6/2016	N/A	C	1:2	B
CHECKED DJ	DATE 5/6/2016				
APPROVED FH	DATE 5/6/2016				
FINAL FH	DATE 5/6/2016				

ASSEMBLY TOLERANCE: DO NOT SCALE DRAWING
 APEN001

F/N: AVC-295-TGMT-13 | SHT. 3 OF 3



Air Power Systems Co., Inc.
 8178 E. 44th St.
 Tulsa, OK 74145
 (918) 622-5600
 FAX: (918) 622-5469

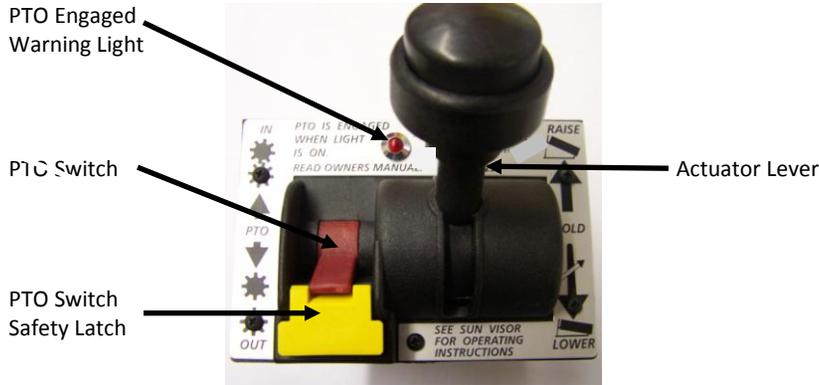
Installation Instructions Hoist (PTO) Valve

II-AV APSCO)A
 Revision:)A, 06/12/13
 Approved By: Ken Thompson
 Page 1 of 4

CAB CONTROL – OPERATOR INSTRUCTIONS

(Important – These instructions are for guidance only. They may not be complete or accurate in the context of your equipment. Please consult your bodybuilder for specific operator instructions)

CONTROL FEATURES



HOW TO LIFT THE BODY

Make sure the handbrake is on, the gear lever is in neutral, the actuator lever is in "HOLD", and the PTO switch is "OUT". Then,

1. Unlock the tailgate (taking care to stand clear)
2. Return to the cab, start the engine, and make sure the air pressure is at the level recommended by the manufacturer
3. Remain in the cab until the raising operation is complete
4. Depress the clutch* for 4 seconds before engaging PTO
5. Press the safety latch and switch the PTO "IN" (the warning light will come on)
6. Release the clutch
7. Make sure no one is within the danger area (see back)
8. Move the actuator lever to "RAISE". Releasing pressure on the lever will stop the body lifting if the spring return is equipped
9. Raise the body smoothly by varying the engine revs, but never exceed 1500rpm
10. When the body gets to the raise angle desired, return the actuator lever to "HOLD"

*If you have an automatic gearbox the PTO operation will be different. Refer to the PTO installer for specific instructions.

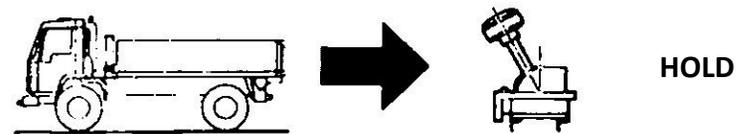
HOW TO LOWER THE BODY

Make sure no one is in the danger area (see back). Then,

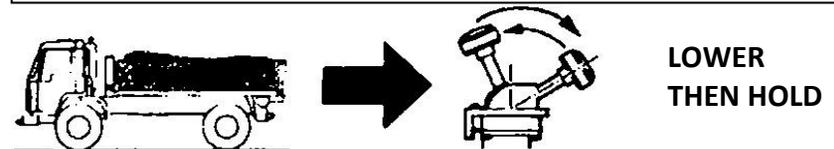
1. SLOWLY move the actuator lever out of "HOLD" toward "LOWER". This will automatically disengage the PTO and the warning light will go out. If automatic PTO disengagement is not equipped, switch the PTO to "OUT" before driving away.
2. Use additional caution when lowering a loaded body. Move the lever slowly until the body starts to move. Quick movements may cause the body to drop quickly and could result in equipment damage.
3. Regulate the speed at which the body lowers by moving the lever toward "HOLD" to slow it down or toward "LOWER" to speed the descent.
4. When body is down, move the lever back to "HOLD".
5. Lock tailgate

▲ DO NOT DRIVE AWAY UNTIL BODY IS FULLY DOWN AND PTO IS DISENGAGED

WHEN DRIVING



When UNLOADED leave the cab control in "HOLD" to minimize body bounce.



When LOADING, put the cab control in "LOWER" to insure that no oil is trapped in the cylinder and the entire load rests on the chassis. Return the control to "HOLD" when traveling.

SAFETY CODE

ALWAYS

- Keep the tires at the correct pressure
- Spread the load evenly in the body
- For segmented units, make sure the trailer is coupled and in line with the cab unit
- Make sure the danger area is clear of people and obstructions (refer opposite)
- During RAISING, stay in the cab at the controls. If danger signs develop (for example: if the body starts to lean to one side or the load sticks) immediately lower the body
- Prevent the discharging load from piling up and fouling on the tailgate by driving forward **VERY SLOWLY NO MORE THAN THREE FEET AT A TIME**
- Just before loading, move the control lever to **LOWER** to insure that no oil is trapped in the cylinder and the full load rests on the chassis

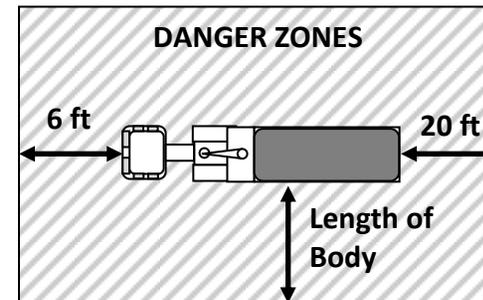
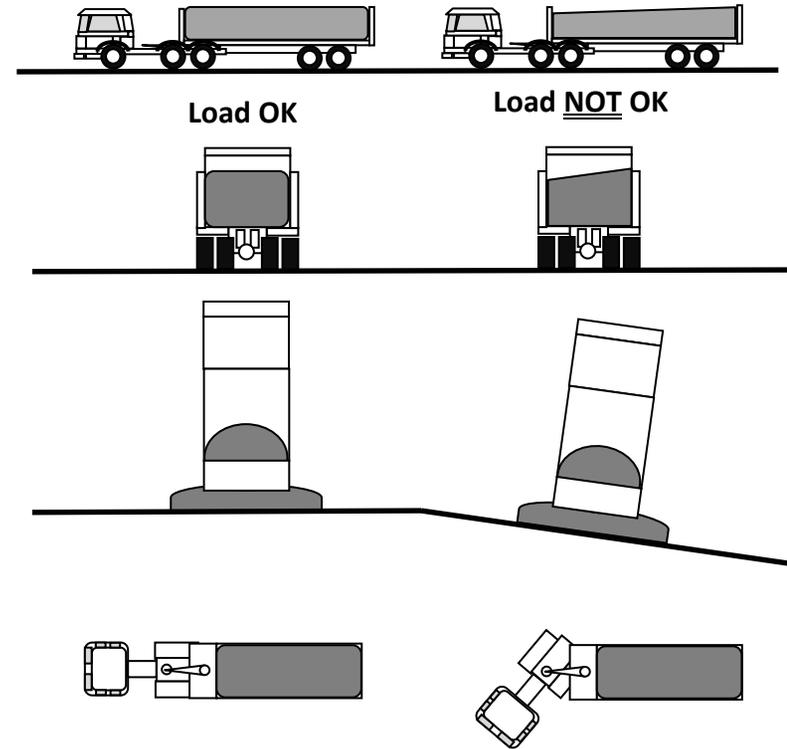
EXTRA CAUTION

Be particularly careful in cold weather. Frost can cause wet loads to stick and discharge unevenly.

NEVER

- Overload
- Alter the pressure setting of the relief (overload) valve
- Put the actuator lever in RAISE unless you are actually raising
- Raise an uncoupled trailer
- Raise in high winds
- Raise on a side slope
- Raise with the body within 20 feet of overhead power lines
- Shake the load free
- Drive off with the body up or the PTO engaged. This could damage the equipment
- Leave the body up overnight
- Leave the tractor with the ignition key in
- Go under a raised **LOADED** body
- Go under a raised **EMPTY** body
- Uncouple the trailer unless the body is down and the PTO is OUT
- Steam clean the exposed cylinder tubes. This will cause corrosion
- Climb on the equipment by any means other than that provided by the manufacturer
- Raise with the tailgate closed

SAFETY CODE

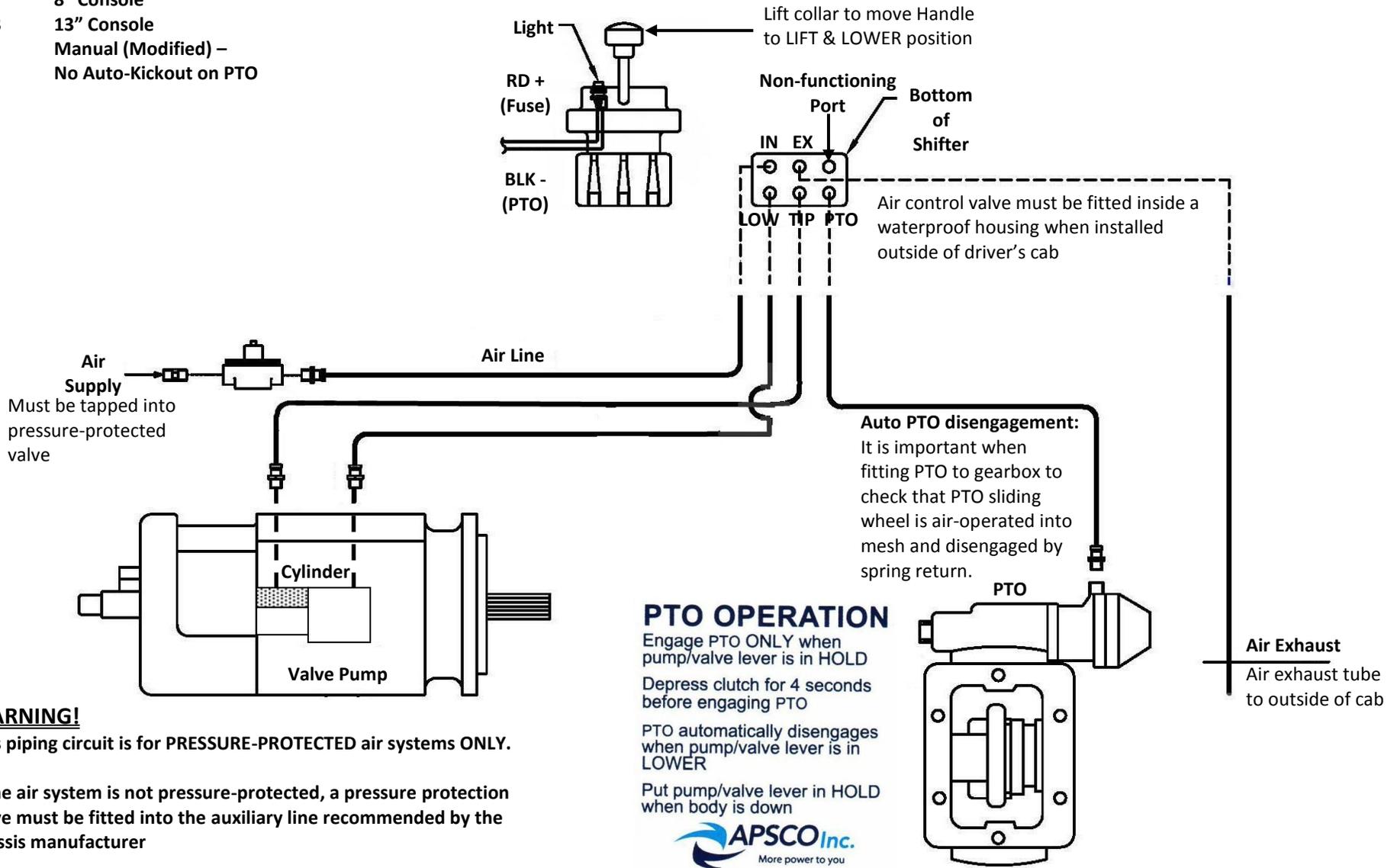


Always insure that no person, animal, or other equipment is within this area when tipping

Extensions

- T Tubing
- DMH Dead-Man Handle
- C Console
- 8 8" Console
- 13 13" Console
- M Manual (Modified) –
No Auto-Kickout on PTO

Hoist (PTO) Valve



Installation of Tubes in Valve Body

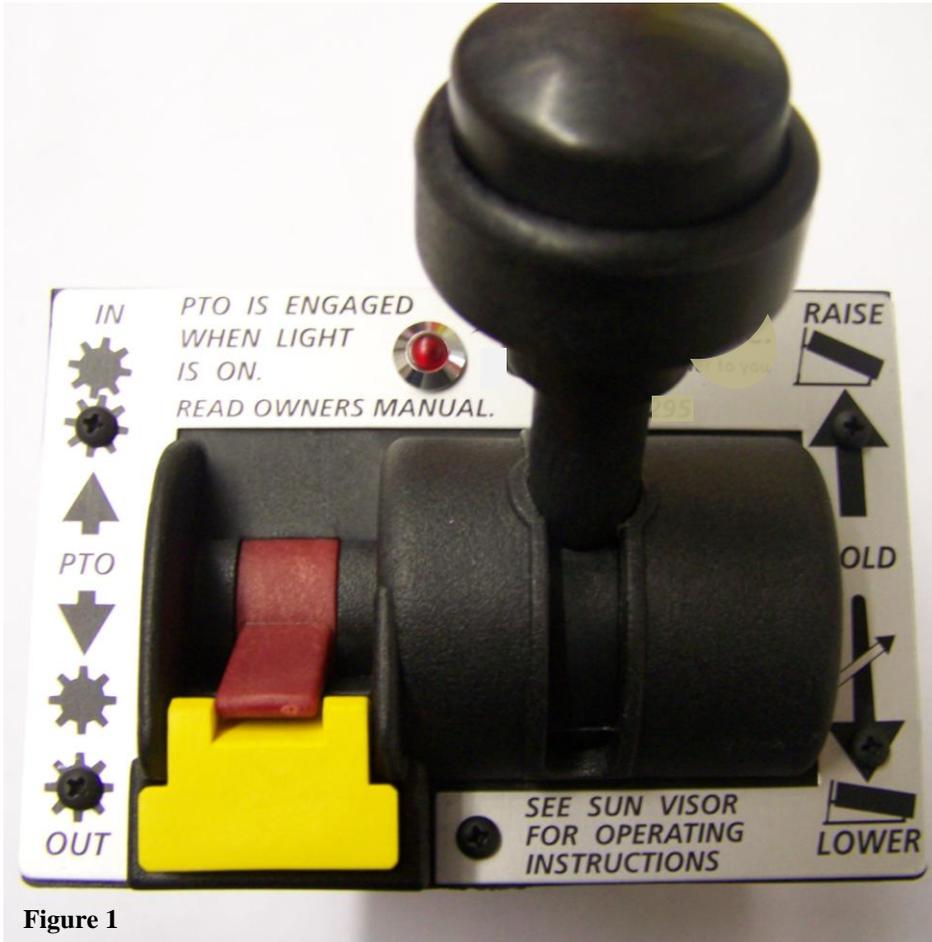


Figure 1
Top of Valve Body.

Note: If leaks occur, remove tube by depressing collet into Valve Body and removing tube. Examine tube for scratches, trim tube, and replace in port.

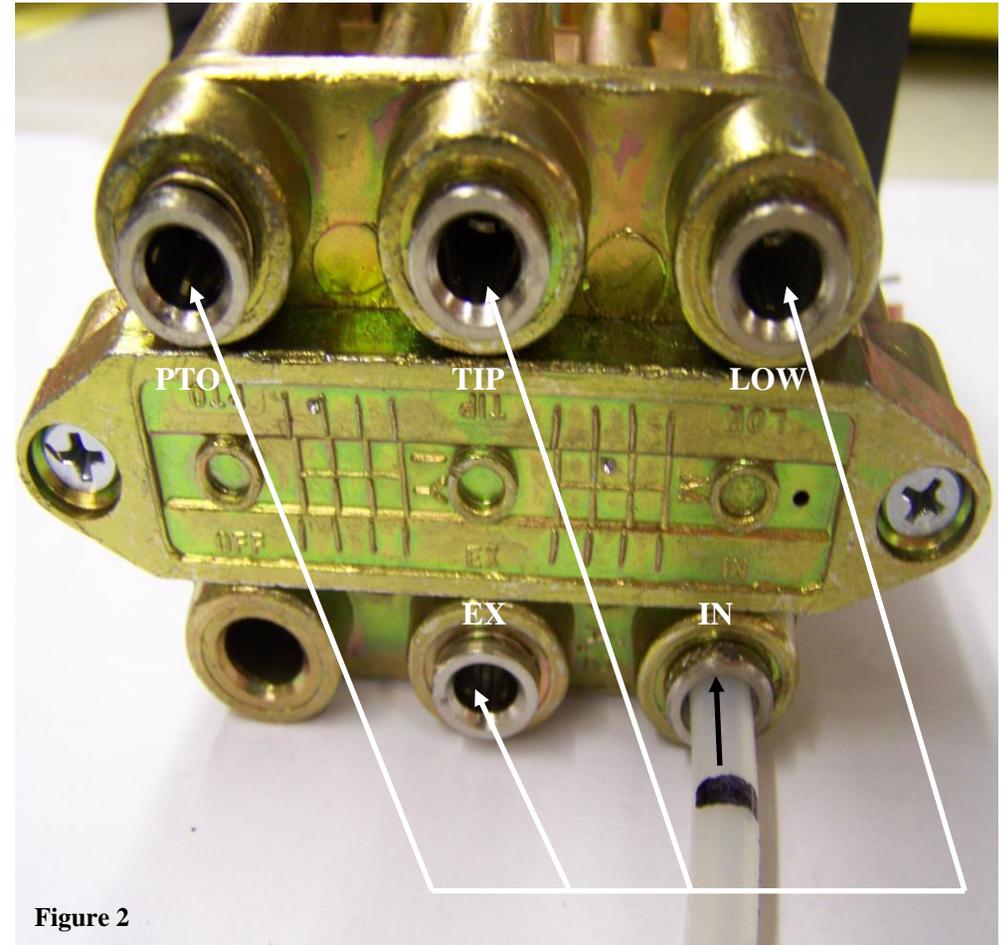


Figure 2

Insert tubes a minimum 5/8" into all ports.