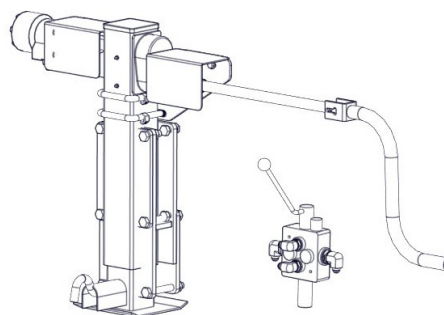




Rev. 4.10.2017

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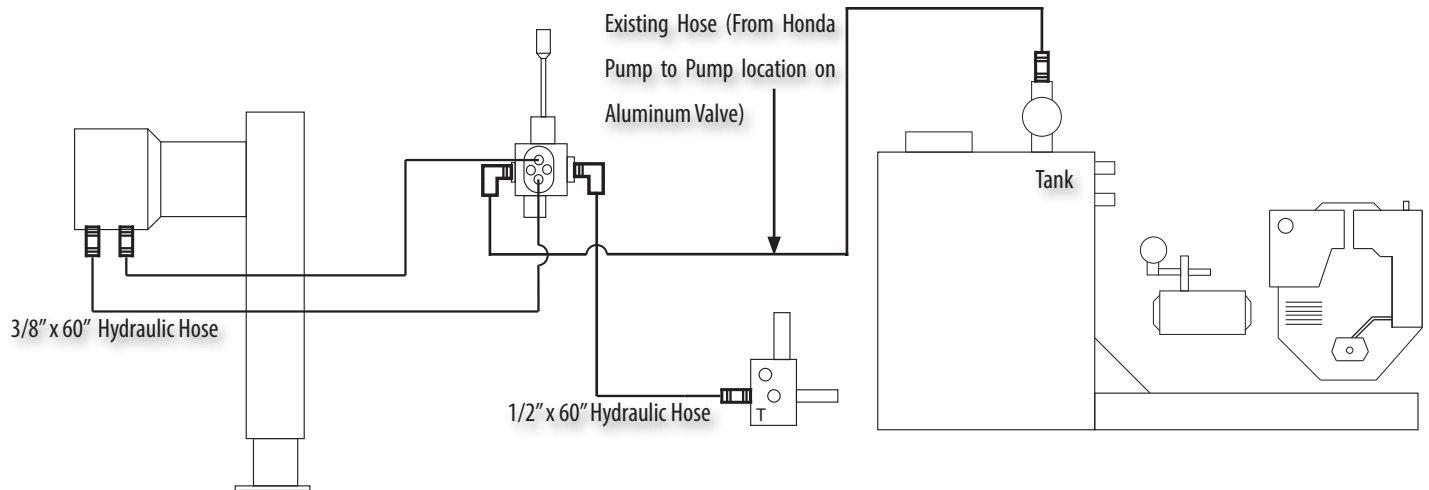
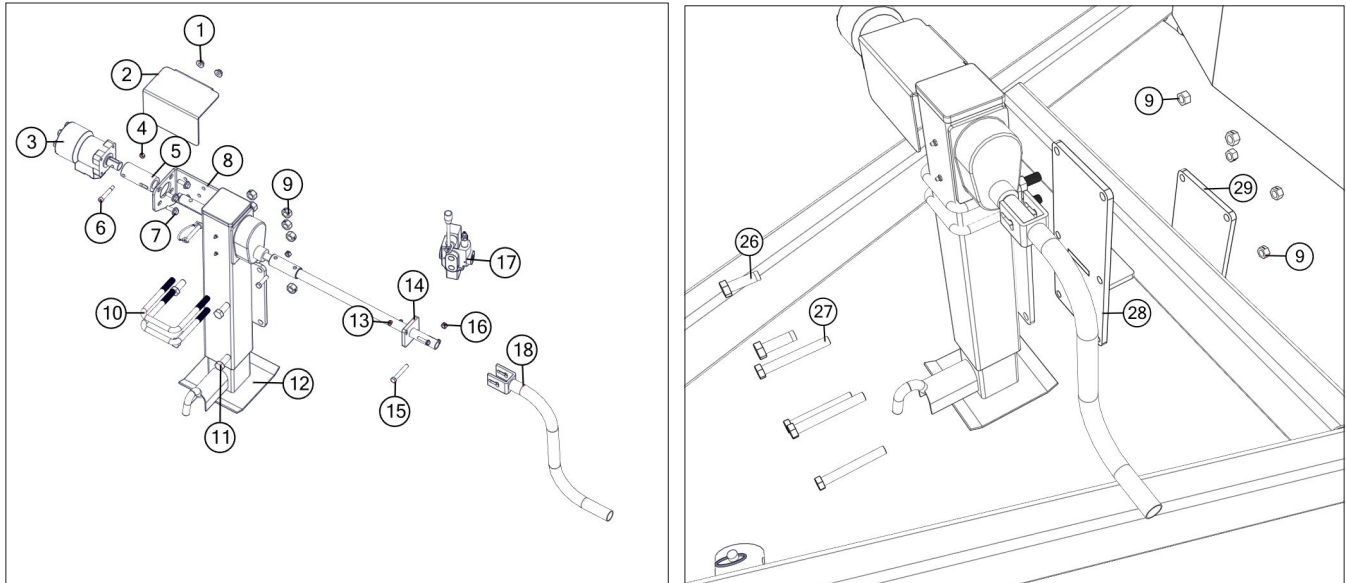
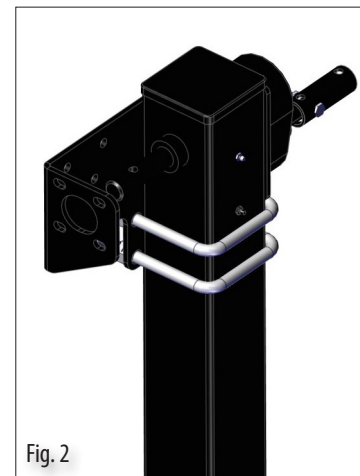
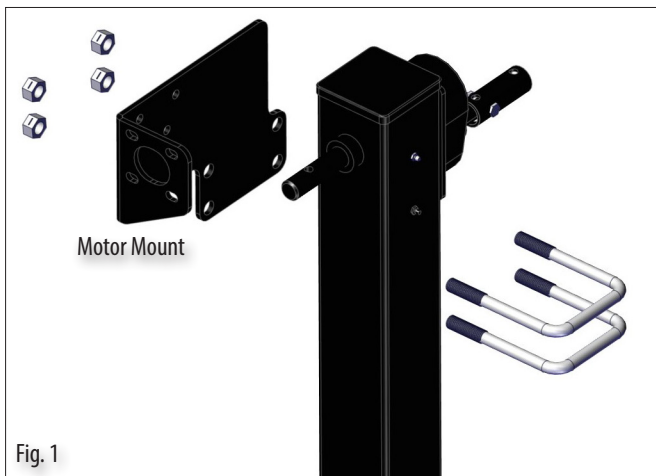


Fig. 18

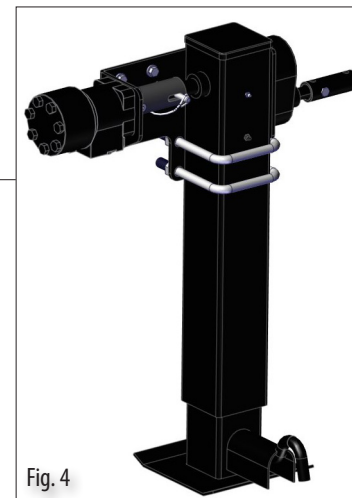
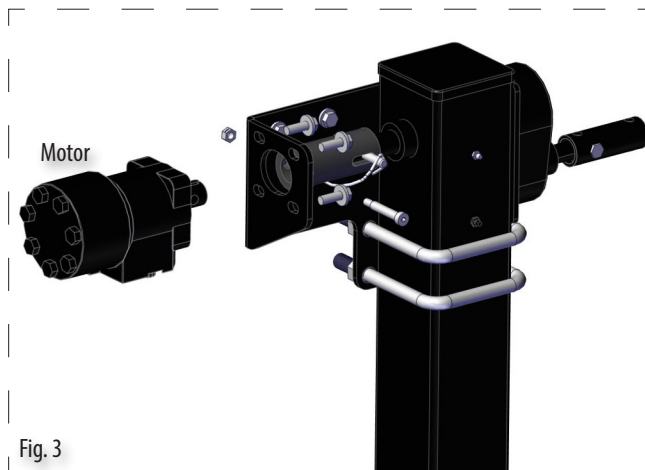
#	Description	Part. No.
1	3/8"-16 Gr5 Z SF Hex Nut	JM0002152
2	Jack Motor Cover	JM0034699
3	Hydraulic Jack Motor	JM0010469
4	5/16"-18 Gr5 Z Centerlock Hex Nut	JM0002143
5	Jack Motor Coupler	JM0026086
6	3/8" x 1-3/4" LG SKT Shoulder Bolt	JM0033449
7	3/8"-16 x 1" Gr5 Z SF Hex Bolt	JM0002092
8	Brace	JM0034697
9	5/8"-11 Gr5 Z Centerlock Hex Nut	JM0002146
10	Square U-bolt 4-1/8" Inside Width x 6" Length, 5/8"	JM0014190
11	5/8"-11 x 1-1/2" Gr5 Z Hex Bolt	JM0002103
12	Seed Tender Gooseneck Jack	JM0007078
13	1/4"-20 Gr5 Z SF Hex Nut	JM0001630
14	Jack Crank Locator	JM0025756
15	3/8"-16 x 2-1/2" Gr5 Z Hex Bolt	JM0001647
16	3/8"-16 Gr5 Z Centerlock Hex Nut	JM0001512

#	Description	Part. No.
17	Control Valve	JM0031858
18	Jack Handle	JM0015846
19	#6 Male JIC X #6 Female JIC Swivel; 90 Degree Elbow	JM0010295
20	#8 Male JIC X #8 Female JIC Swivel; 90 Degree Elbow	JM0010296
21	#8 Male JIC X #8 Male O-ring; 90 Degree Elbow	JM0010297
22	#6 Male JIC X #8 Male O-ring; Straight	JM0015201
23	3/8" x 60" Hydraulic Hose	JM0042246
25	1/2" x 60" Hydraulic Hose	JM0042245
26	5/8"-11 x 2" Gr5 Z Hex Bolt	JM0001771
27	5/8"-11 x 5" Gr5 Z Hex Bolt	JM0016682
28	Bumper Jack Mount Weldment	JM0028541
29	Clamp Plate	JM0028546



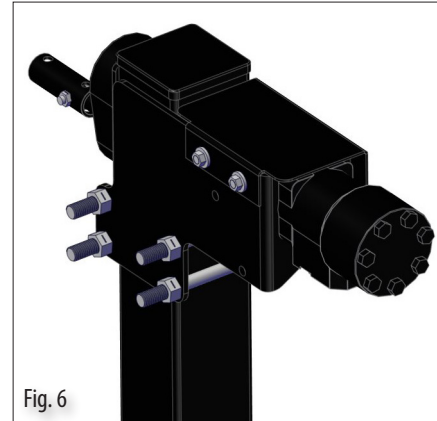
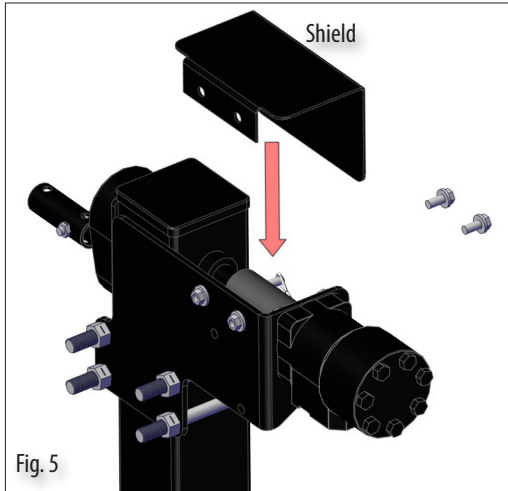
Motor Mount onto Jack Assembly

- Fasten the motor mount to the jack assembly using (2) 4-1/8" x 6" x 1/2" u-bolts and (4) 1/2" centerlock hex nuts. Center the hole on the motor mount with the shaft on the jack.
- Tighten hardware.



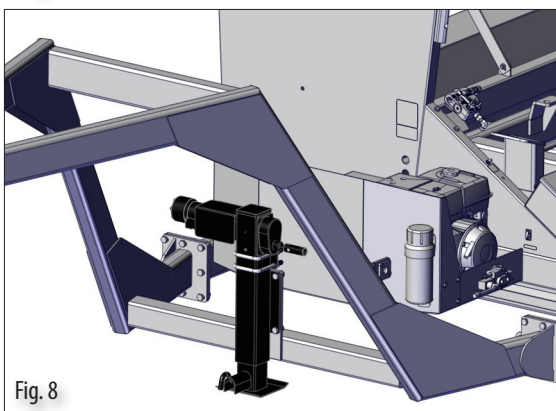
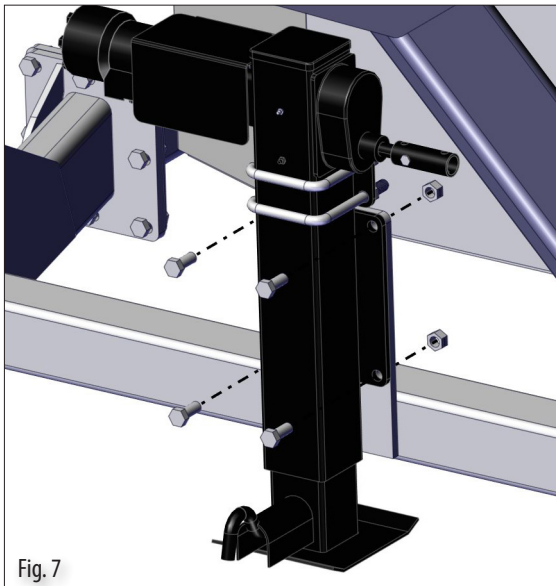
Mount motor onto jack assembly

- Secure the motor to the hydraulic jack using (4) 3/8" x 1" hex bolts.
- Fasten coupler to motor using a 3/8" x 1-3/4" shoulder bolt and 5/16" centerlock hex nut.
- Tighten hardware.



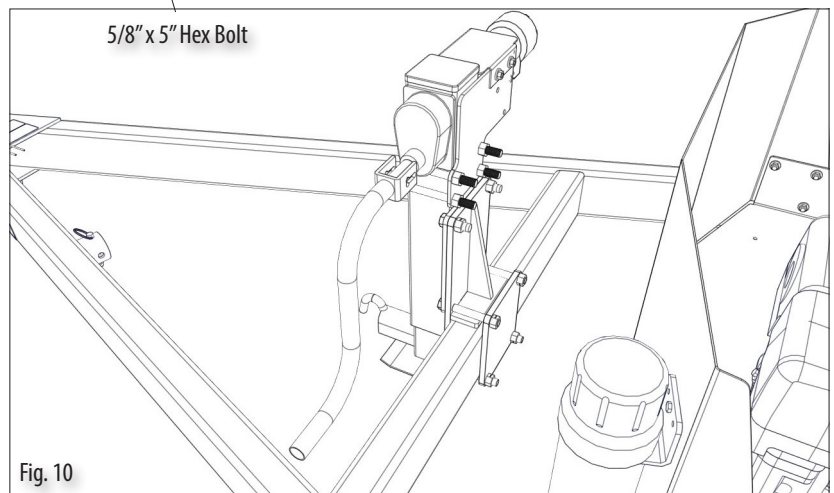
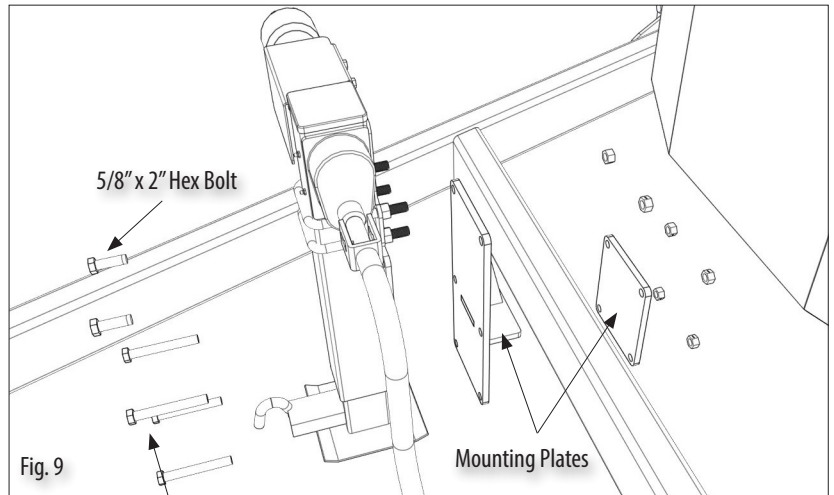
Mount shield on top of motor housing.

- Use (2) 3/8" x 1 SF hex bolts and (2) 3/8" SF hex nuts to attach shield to motor housing.
- Tighten hardware.



Attach hydraulic jack to speed tender. (Gooseneck)

- Use (4) 5/8" x 1-1/2" hex bolts and (4) 5/8" centerlock hex nuts to fasten jack to mounting bracket. (Fig. 7 & 8)
- Tighten hardware.



Attach hydraulic jack to speed tender. (Bumper Pull)

- Attach mounting plate to jack using (2) 5/8" x 2" hex bolts and (2) 5/8" centerlock hex nuts.
- Attach both mounting plates to speed tender using (4) 5/8" - x 5" hex bolts and (2) 5/8" centerlock hex nuts.
- Tighten hardware.

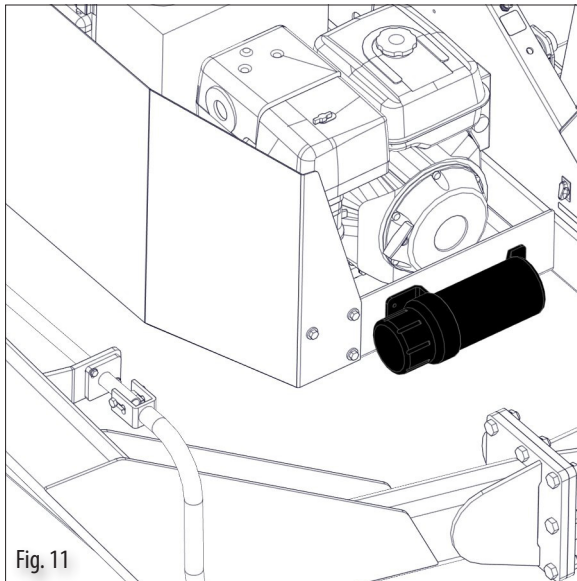


Fig. 11

Move the manual holder.

- **Remove both 1/4" x 1" hex bolts and hex nuts.**
- **Use manual holder as guide and mark two points on the power unit guard. Drill (2) 5/16" holes using the points as guides.**
- **Mount manual holder on the power unit guard using (2) 1/4" x 1" hex bolts and nuts.**
- **Tighten hardware.**

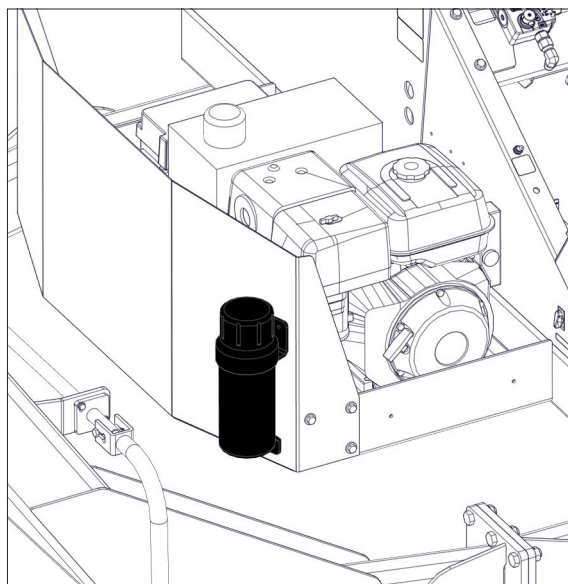


Fig. 12

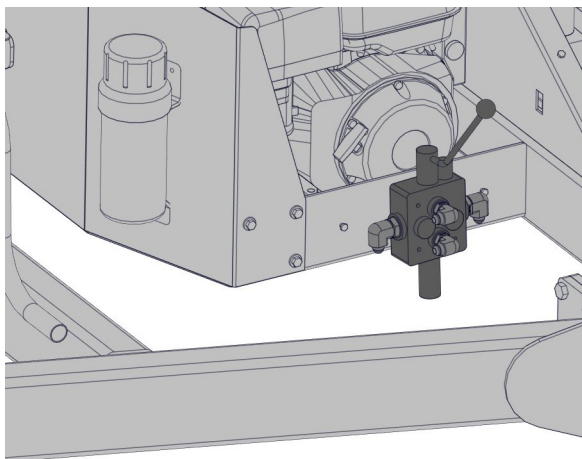


Fig. 13

Mount the hydraulic jack control valve.

- **Place control in the center of the red box in Fig. 14.**
- **Using the control as a guide mark 2 points.**
- **Drill (2) 5/16" holes using the points as a guide.**
- **Attach the valve control using (2) 1/4" x 2" hex bolts and (2) 1/4" centerlock hex nuts.**
- **Tighten hardware.**

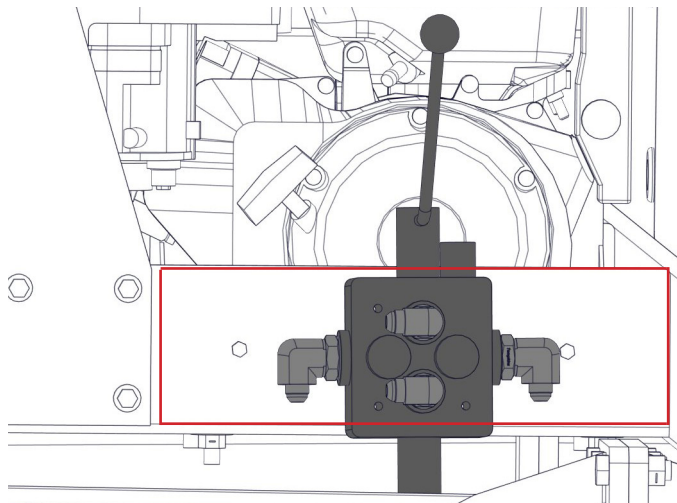


Fig. 14

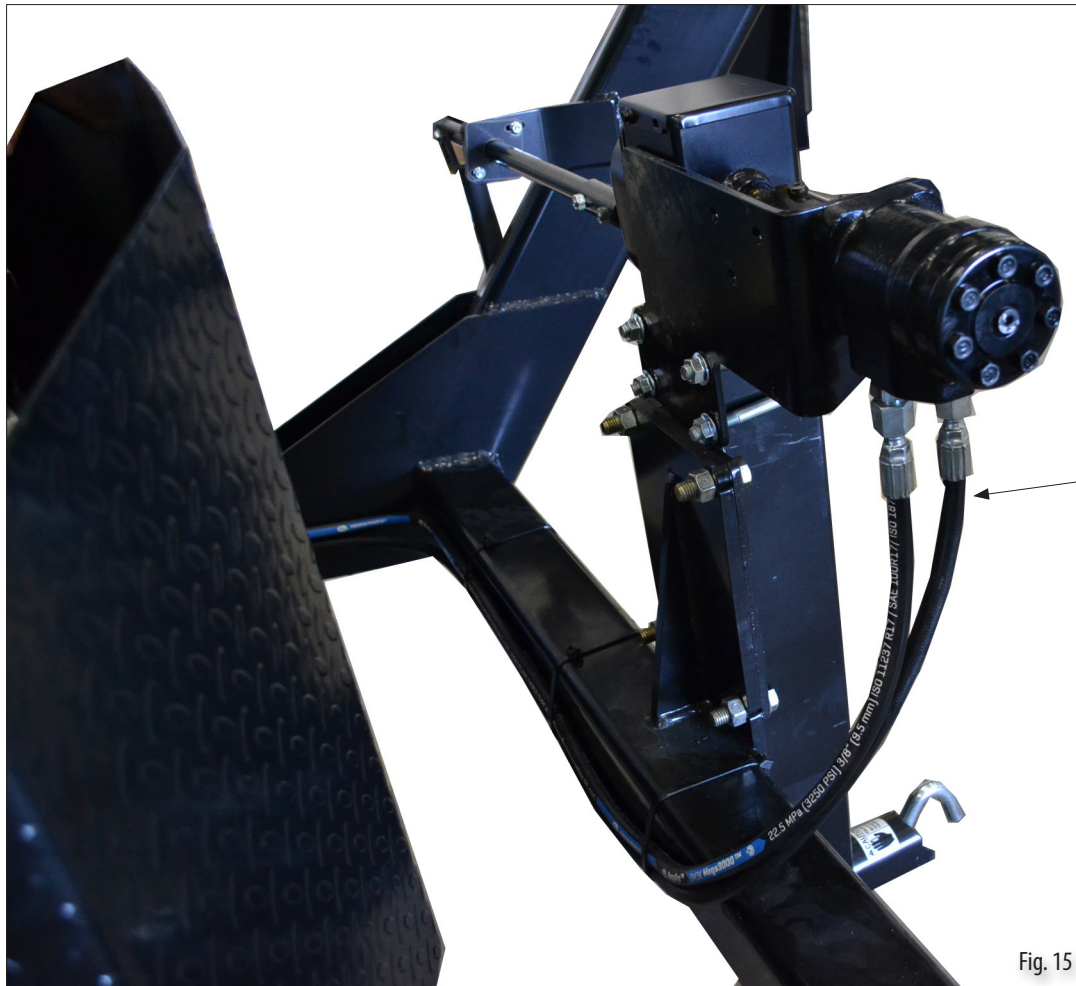


Fig. 15

Install hoses for hydraulic jack.

- ***Route hydraulic hoses from the hydraulic jack motor to the control valve.***
- ***Use both 3/8" x 60" hydraulic hoses.***
- ***Tighten fittings.***

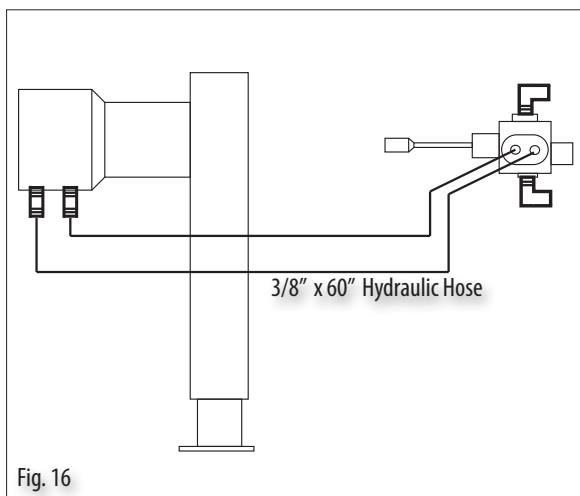


Fig. 16

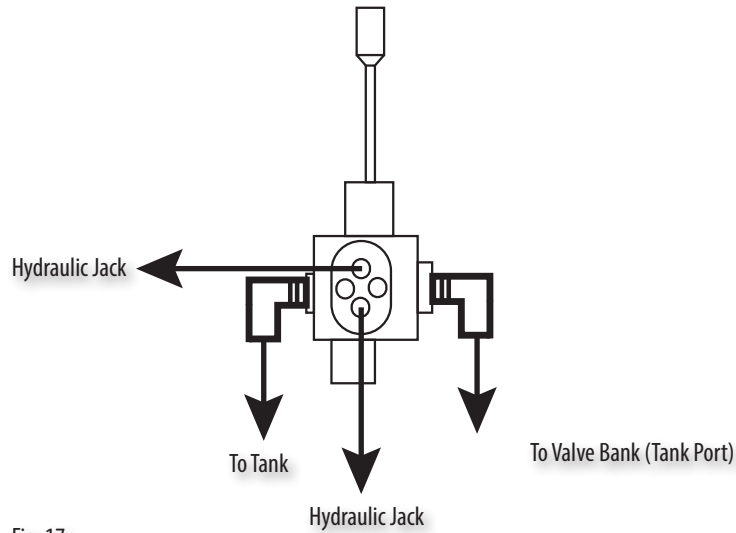


Fig. 17

Install hoses for the control valve.

- **Remove hydraulic hose from pump location on aluminum valve block and re-route to the top of the hydraulic jack control valve.**
- **Route 1/2" x 60" hydraulic hose from control valve to the "pump" location on the aluminum valve block.**
- **Tighten fittings.**

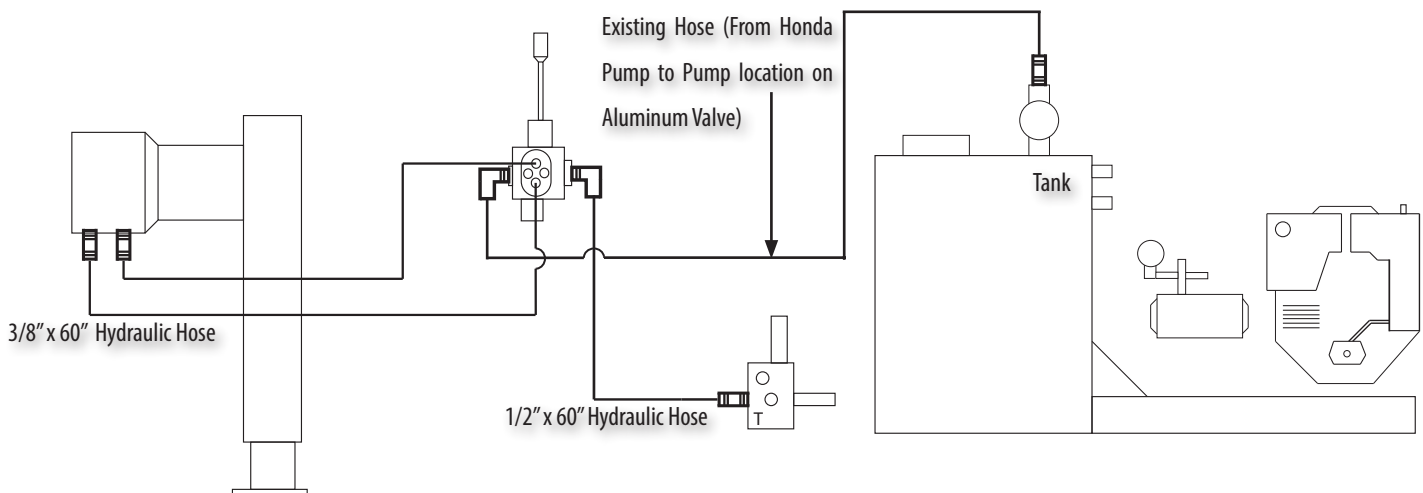
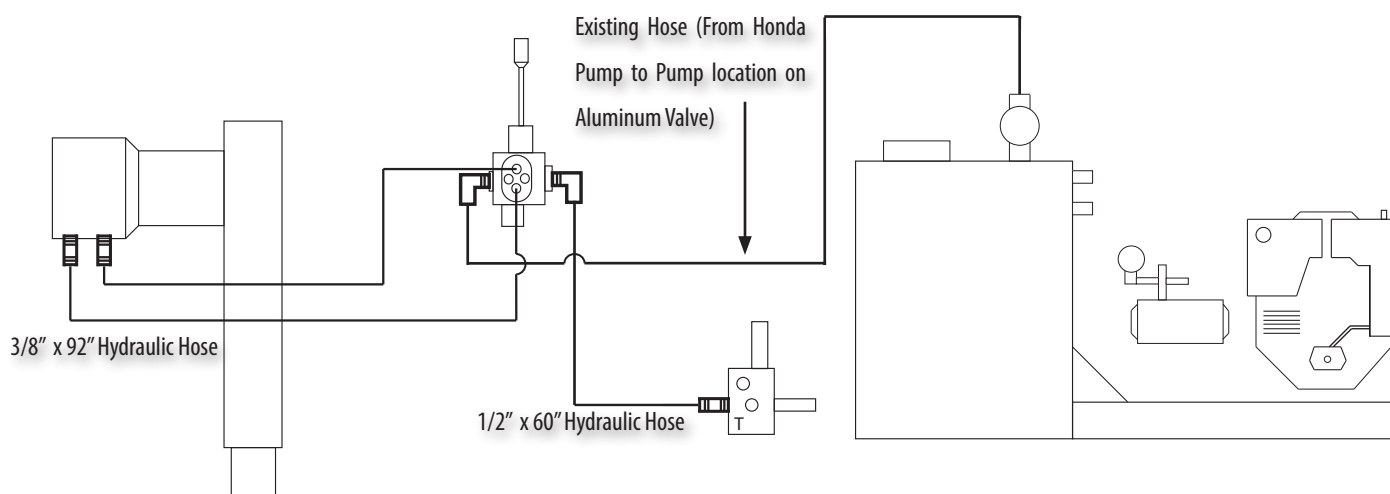
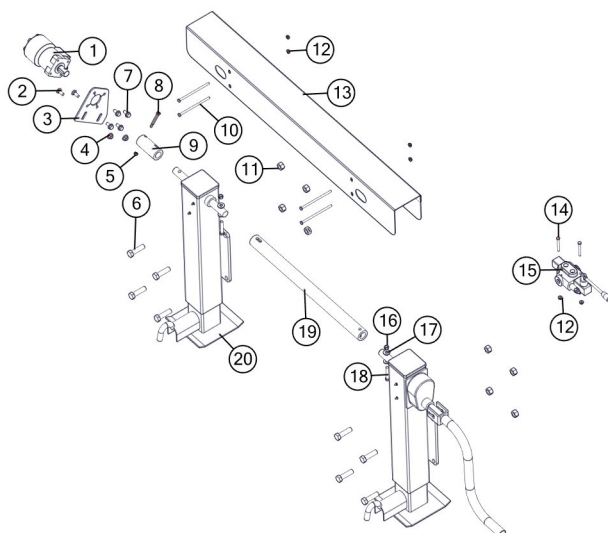


Fig. 18

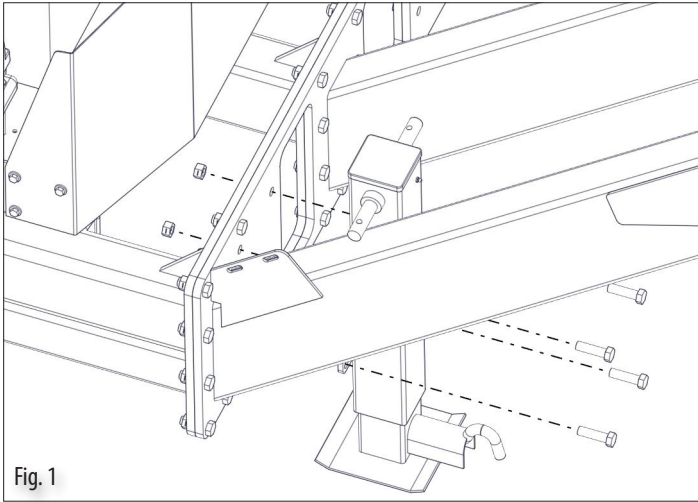
Set-Up Instructions (290, 390, 250, 450)

- *Check to make sure all fittings are tight.*
- *Use zip ties to secure all hydraulic hoses to the Speed Tender.*
- *Turn motor on.*
- *Use control valve to raise and lower the hydraulic jack.*



#	Description	Part. No.
1	Hydraulic Jack Motor 12 Cu--in.	JM0036975
2	3/8"-16 x 1" Gr5 Z Carriage Bolt	JM0001632
3	Jack Motor Bracket	JM0026084
4	3/8"-16 Gr5 Z SF Hex Nut	JM0002152
5	5/16-18 Gr5 Z Centerlock Hex Nut	JM0002143
6	5/8"-11 x 2-1/4" Gr5 Z Hex Bolt	JM0001493
7	3/8"-16 x 3/4" Gr5 Z SF Hex Bolt	JM0001750
8	3/8"x 1-3/4" LG SKT Shoulder Bolt	JM0033449
9	Jack Motor Coupler	JM0026086
10	1/4"-20 x 5-1/2" Gr5 Z Hex Bolt	JM0025773
11	5/8"-11 Gr5 Z Centerlock Hex Nut	JM0002146
12	1/4"-20 Gr5 Z SF Hex Nut	JM0001630
13	Jack Crank Guard	JM0032218
14	1/4"-20 x 2-1/2" Gr5 Z Hex Bolt	JM0001506
15	Control Valve	JM0031858
16	3/8"-16 Gr5 Z Centerlock Hex Nut	JM0001512

#	Description	Part. No.
17	3/8" USS Flat Washer	JM0003061
18	3/8"-16 x 2-1/4" Gr5 Z Hex Bolt	JM0001660
19	Companion Jack Coupler	JM0030060
20	Companion Gooseneck Jack	JM0030056
21	Seed Tender Gooseneck Jack	JM0007078
22	#6 Male JIC X #6 Female JIC Swivel; 90 Degree Elbow	JM0010295
23	#8 Male JIC X #8 Female JIC Swivel; 90 Degree Elbow	JM0010296
24	#8 Male JIC X #8 Male O-ring; 90 Degree Elbow	JM0010297
25	#6 Male JIC X #8 Male O-ring; Straight	JM0015201
26	3/8" x 92" Hydraulic Hose	JM0042247
27	1/2" x 60" Hydraulic Hose	JM0042245



Mount Companion Jack

- Use (4) 5/8" x 2-1/4" hex bolts and (4) 5/8" centerlock hex nuts to attach jack to speed tender.
- Tighten hardware.

Mount Hydraulic Jack Motor

- Attach motor bracket to motor using (4) 3/8" x 3/4" SF hex bolts. Tighten hardware once attached.
- Attach motor bracket to speed tender using (2) 3/8" x 1" carriage bolts and (2) 3/8" SF hex nuts. Tighten hardware.
- Fasten motor to coupler using a 3/8" x 1-3/4" shoulder bolt and 5/16" centerlock hex nut. Tighten hardware.

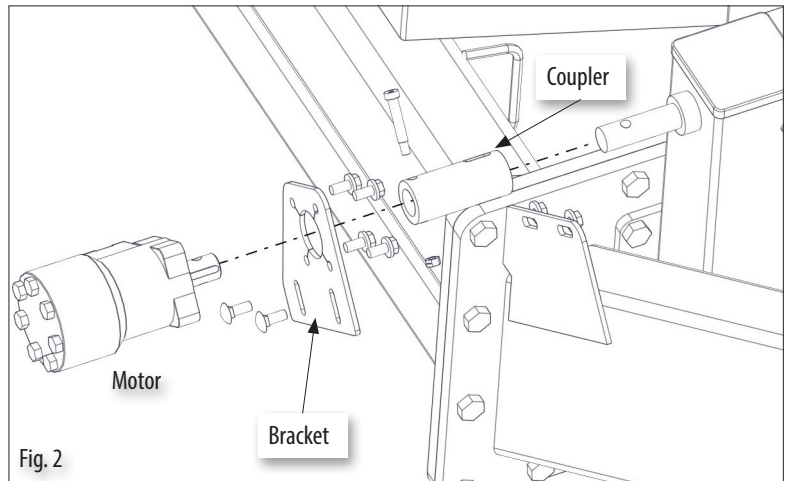


Fig. 2

Install Coupler

- Install the long coupler. Attach to companion motor using a 3/8" x 2-1/4" hex bolt, (2) 3/8" washers and a 3/8" centerlock hex nut.
- Tighten hardware.

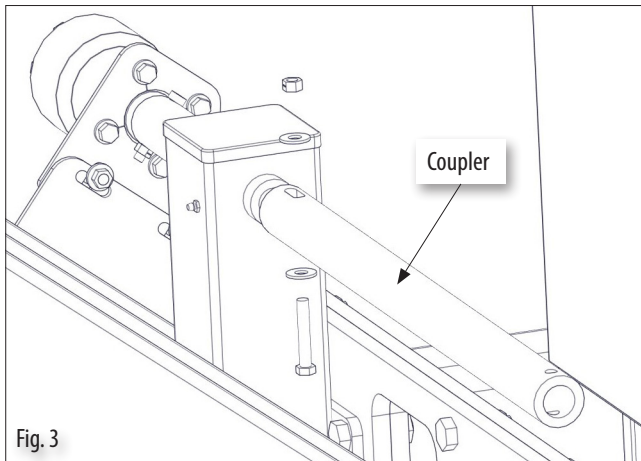
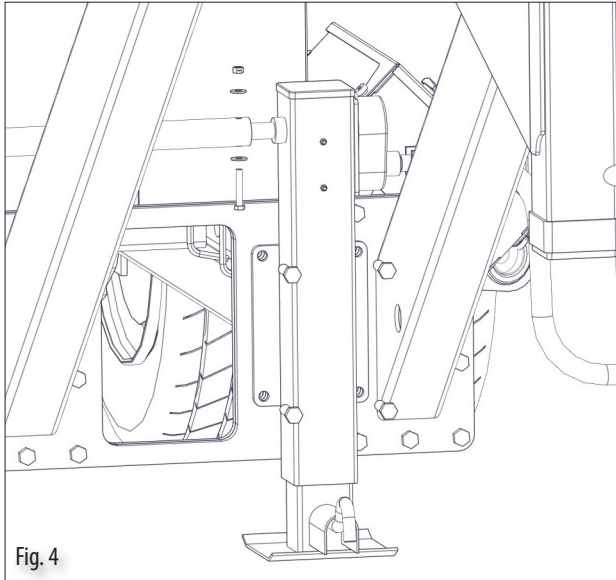


Fig. 3

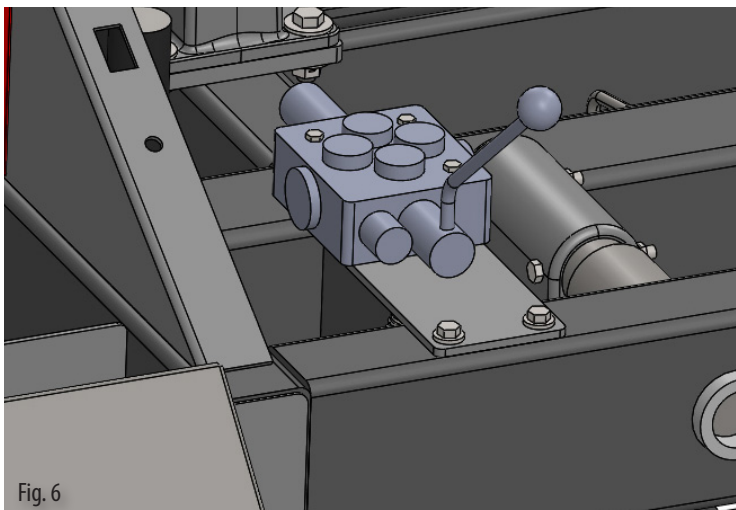
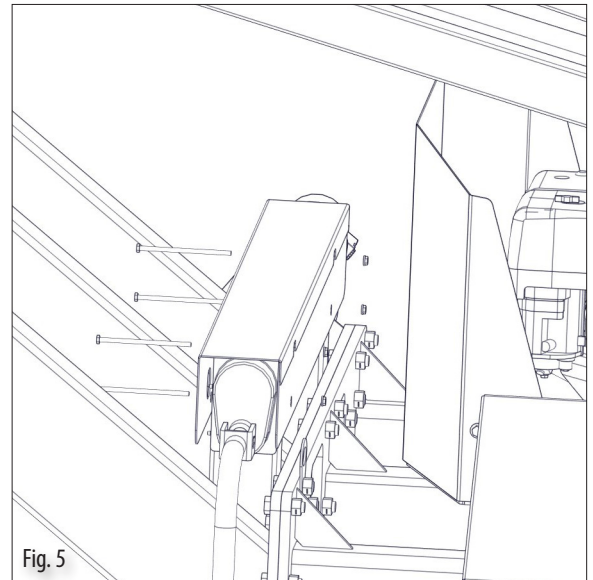


Install Hydraulic Jack

- Attach jack to coupler using a 3/8" x 2-1/4" hex bolt, (2) 3/8" washers and a 3/8" centerlock hex nut.
- Use (4) 5/8" x 2-1/4" hex bolts and (4) 5/8" centerlock hex nuts to attach jack to the speed tender.
- Tighten hardware.

Install Jack Cover

- Slide the jack cover weldment on to the jack assembly.
Fasten using (4) 1/4" x 5-1/2" hex bolts and (4) 1/4" SF hex nuts.



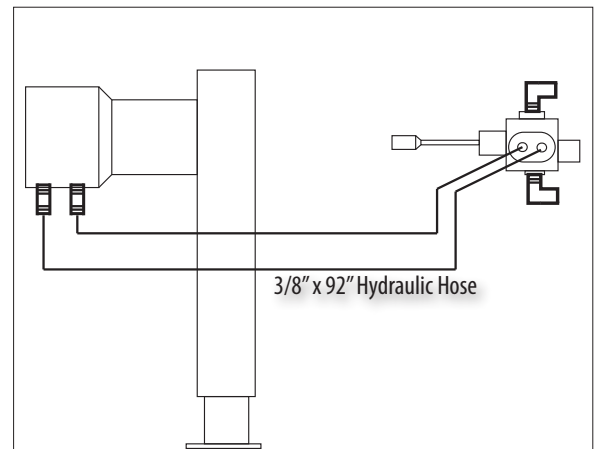
Mount Valve Control

- Attach the valve control using (2) 1/4" x 2" hex bolts and (2) 1/4" centerlock hex nuts.
- Tighten hardware.



Route 92" hydraulic hoses

- ***Route both 3/8" x 92" hydraulic hoses. Run hose along frame up to the control valve.***
- ***Tighten Fittings***



Set-Up Instructions (535)

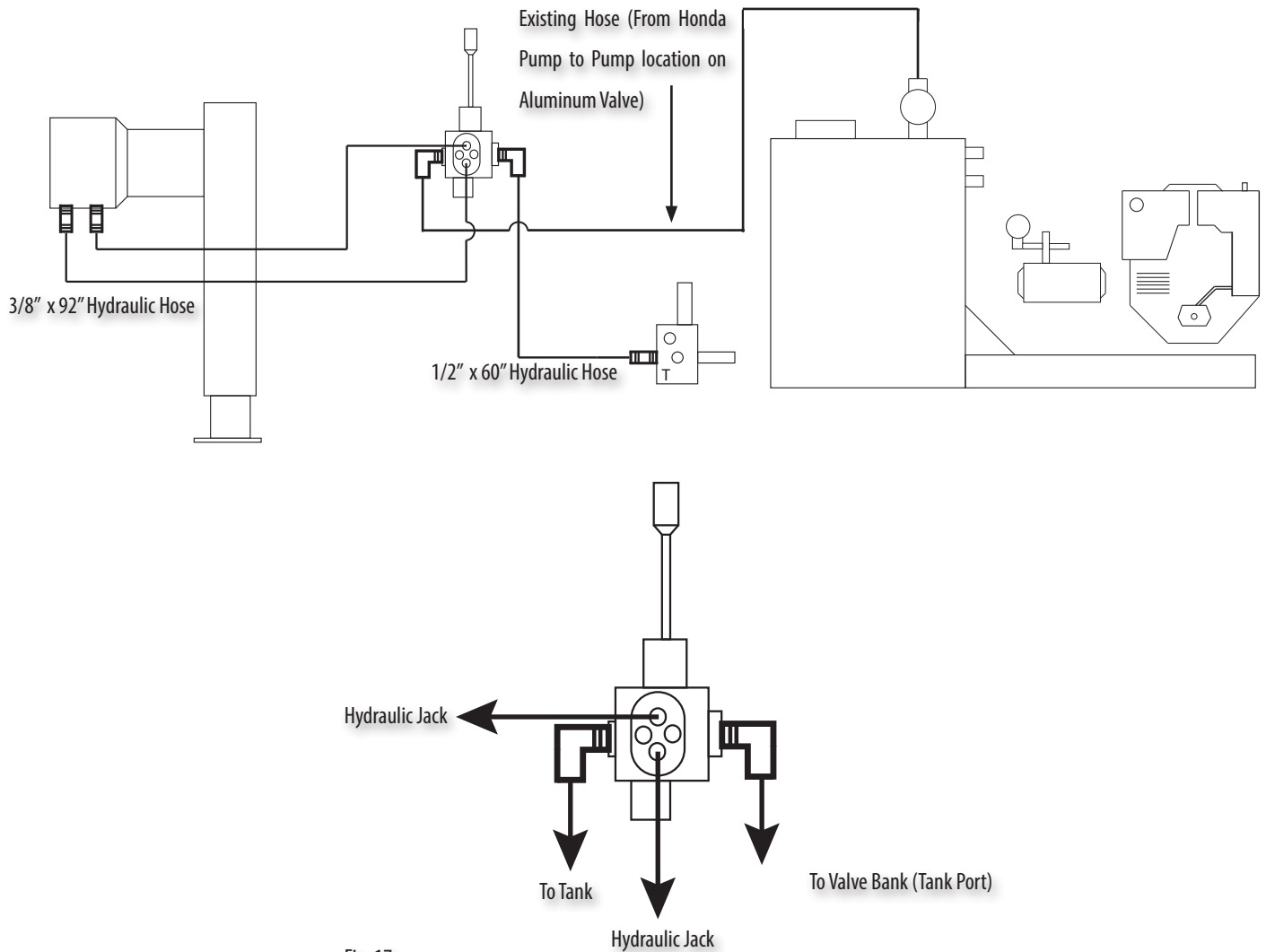


Fig. 17

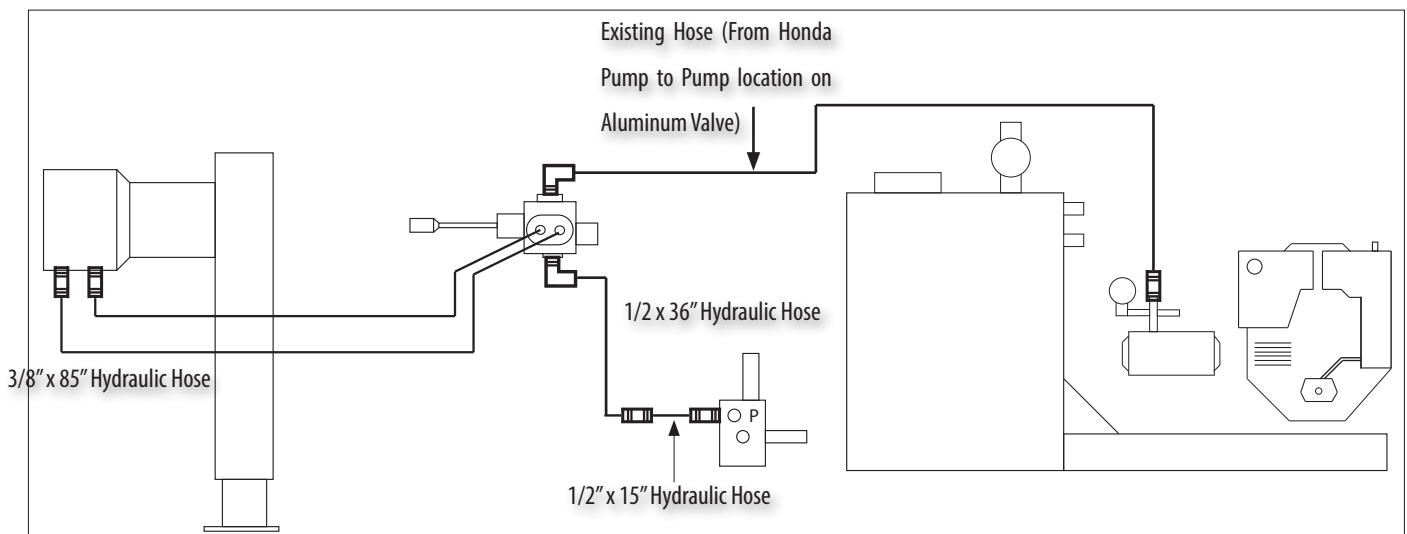
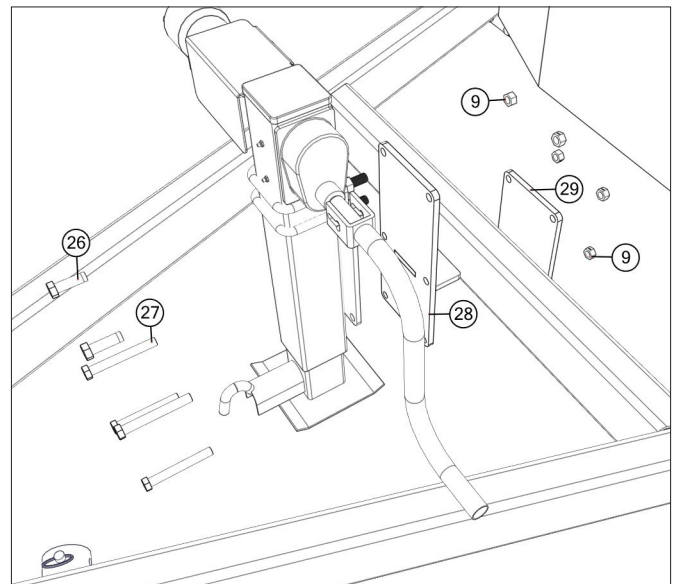
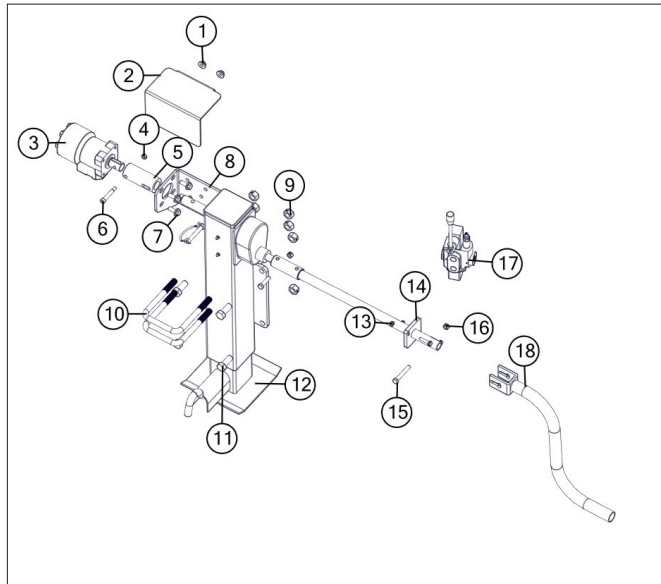
Install hoses for the control valve.

- **Remove hydraulic hose from pump location on aluminum valve block and re-route to the top of the hydraulic jack control valve.**
- **Route 1/2" x 60" hydraulic hose from control valve to the "pump" location on the aluminum valve block.**
- **Tighten fittings.**

Set-Up Instructions (535)

- *Check to make sure all fittings are tight.*
- *Use zip ties to secure all hydraulic hoses to the Speed Tender.*
- *Turn motor on.*
- *Use control valve to raise and lower the hydraulic jack.*

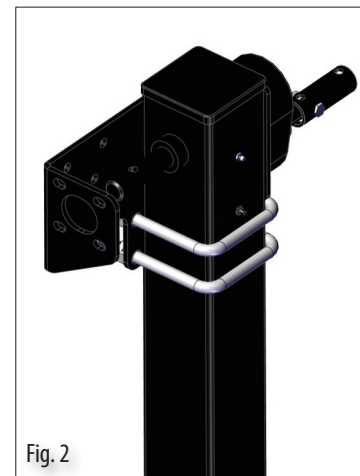
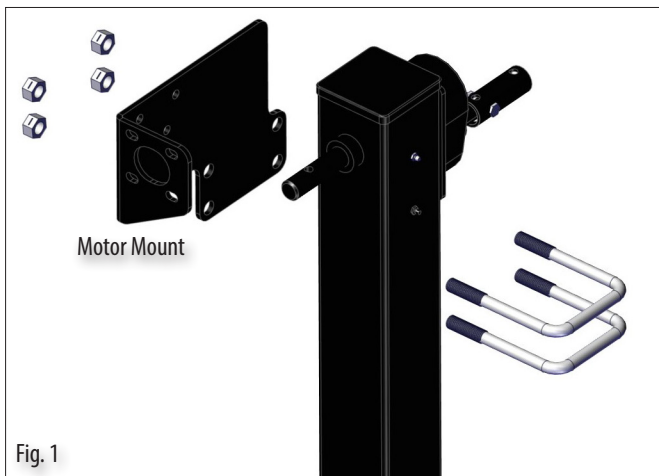
Repair Parts (Units with Brand Valve)



#	Description	Part. No.
1	3/8"-16 Gr5 Z SF Hex Nut	JM0002152
2	Jack Motor Cover	JM0034699
3	Hydraulic Jack Motor	JM0010469
4	5/16"-18 Gr5 Z Centerlock Hex Nut	JM0002143
5	Jack Motor Coupler	JM0026086
6	3/8" x 1-3/4" LG SKT Shoulder Bolt	JM0033449
7	3/8"-16 x 1" Gr5 Z SF Hex Bolt	JM0002092
8	Brace	JM0034697
9	5/8"-11 Gr5 Z Centerlock Hex Nut	JM0002146
10	Square U-bolt 4-1/8" Inside Width x 6" Length, 5/8"	JM0014190
11	5/8"-11 x 1-1/2" Gr5 Z Hex Bolt	JM0002103
12	Seed Tender Gooseneck Jack	JM0007078
13	1/4"-20 Gr5 Z SF Hex Nut	JM0001630
14	Jack Crank Locator	JM0025756
15	3/8"-16 x 2-1/2" Gr5 Z Hex Bolt	JM0001647
16	3/8"-16 Gr5 Z Centerlock Hex Nut	JM0001512

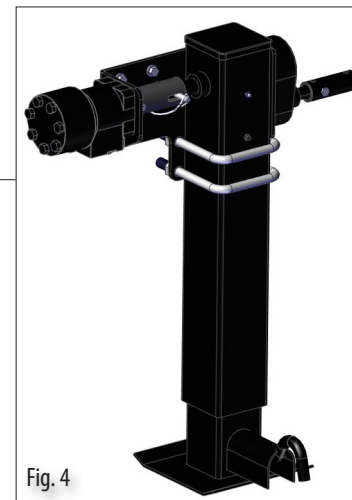
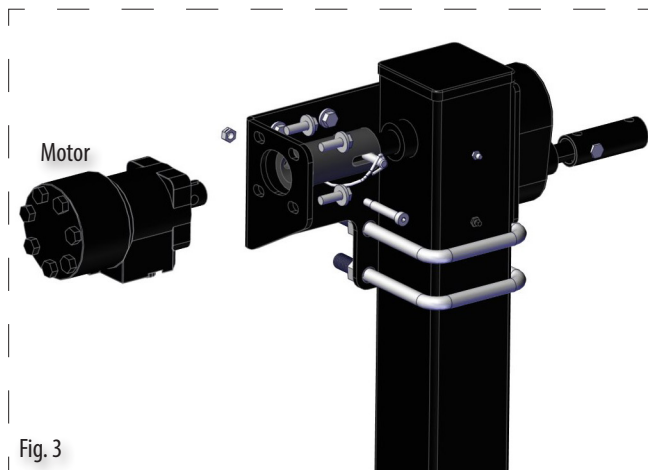
#	Description	Part. No.
17	Control Valve	JM0031858
18	Jack Handle	JM0015846
19	#6 Male JIC X #6 Female JIC Swivel; 90 Degree Elbow	JM0010295
20	#8 Male JIC X #8 Female JIC Swivel; 90 Degree Elbow	JM0010296
21	#8 Male JIC X #8 Male O-ring; 90 Degree Elbow	JM0010297
22	#6 Male JIC X #8 Male O-ring; Straight	JM0015201
23	3/8" x 85" Hydraulic Hose	JM0037020
24	1/2" x 15" Hydraulic Hose	JM0037025
25	1/2" x 36" Hydraulic Hose	JM0037023
26	5/8"-11 x 2" Gr5 Z Hex Bolt	JM0001771
27	5/8"-11 x 5" Gr5 Z Hex Bolt	JM0016682
28	Bumper Jack Mount Weldment	JM0028541
29	Clamp Plate	JM0028546

Set-Up Instructions (Units with Brand Valve)



Mount Motor onto Jack Assembly

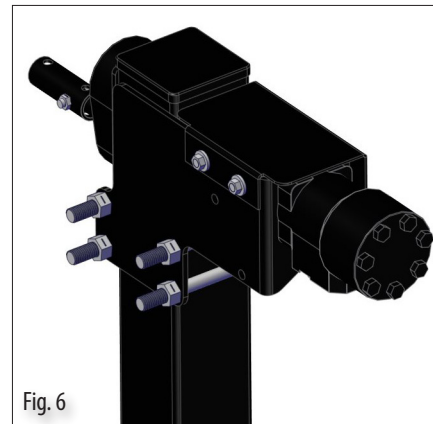
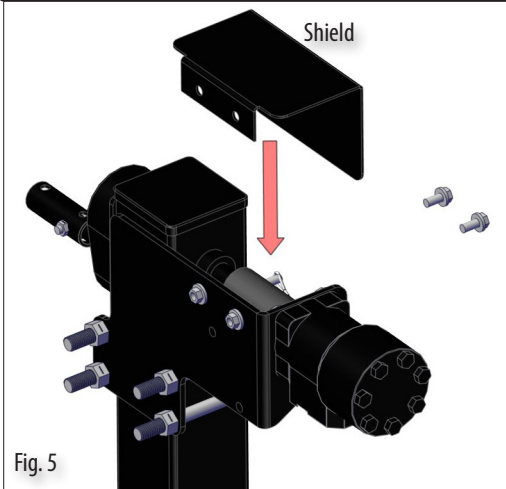
- ***Fasten the motor mount to the jack assembly using (2) 4-1/8" x 6" x 1/2" u-bolts and (4) 1/2" centerlock hex nuts. Center the hole on the motor mount with the shaft on the jack.***
- ***Tighten hardware.***



Mount motor onto jack assembly

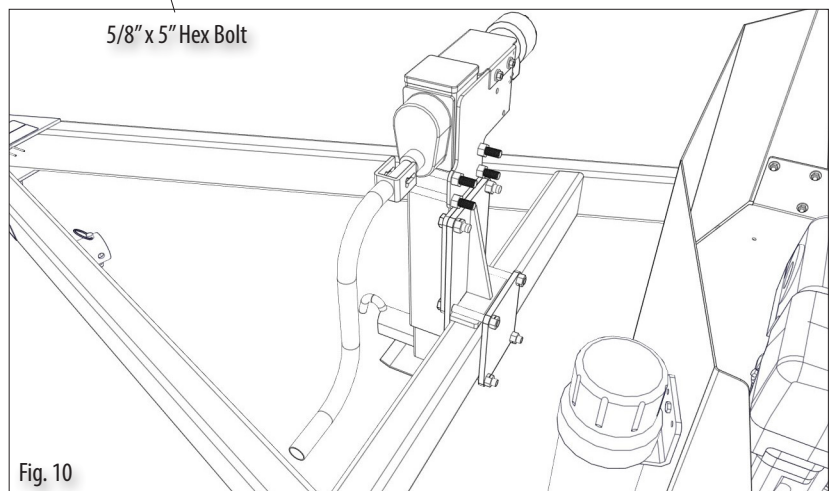
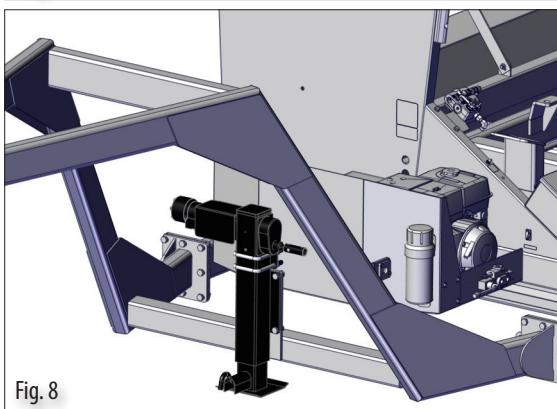
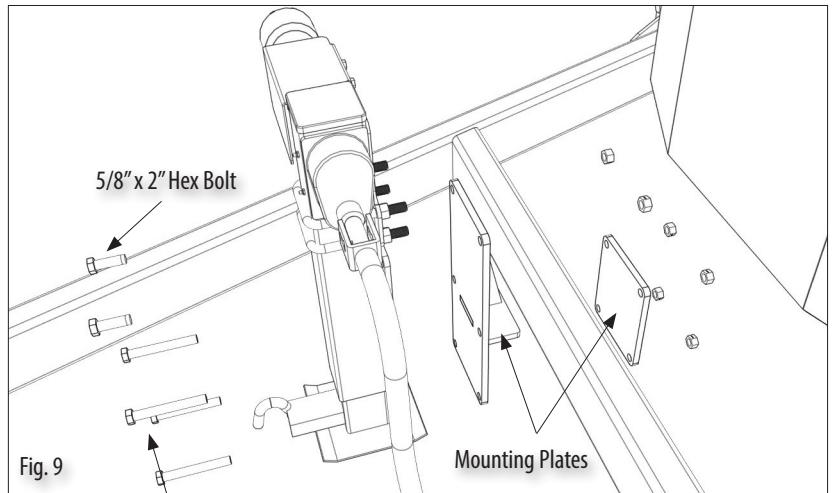
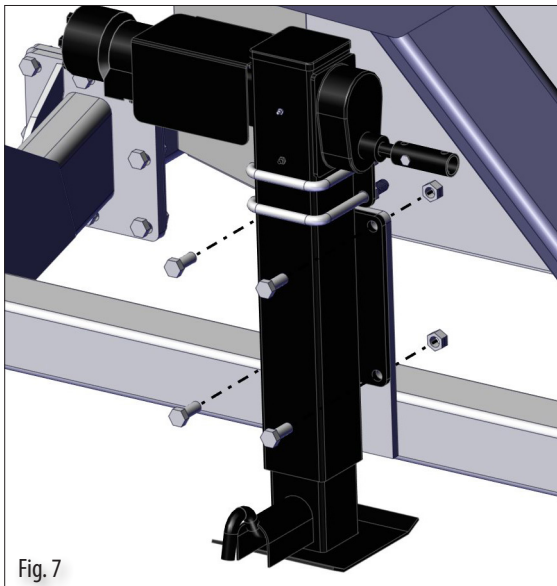
- ***Secure the motor to the hydraulic jack using (4) 3/8" x 1" hex bolts. Fasten coupler to motor using a 3/8" x 1-3/4" shoulder bolt and 5/16" centerlock hex nut.***
- ***Tighten hardware.***

Set-Up Instructions (Units with Brand Valve)



Mount shield on top of motor housing.

- Use (2) 3/8" x 1 SF hex bolts and (2) 3/8" SF hex nuts to attach shield to motor housing.
- Tighten hardware.



Attach Hydraulic Jack to Speed Tender. (Gooseneck)

- Use (4) 5/8" x 1-1/2" hex bolts and (4) 5/8" centerlock hex nuts to fasten jack to mounting bracket. (Fig. 7 & 8)
- Tighten hardware.

Attach Hydraulic Jack to Speed Tender. (Bumper Pull)

- Attach mounting plate to jack using (2) 5/8" x 2" hex bolts and (2) 5/8" centerlock hex nuts.
- Attach both mounting plates to speed tender using (4) 5/8" - x 5" hex bolts and (2) 5/8" centerlock hex nuts.
- Tighten hardware.

Set-Up Instructions (Units with Brand Valve)

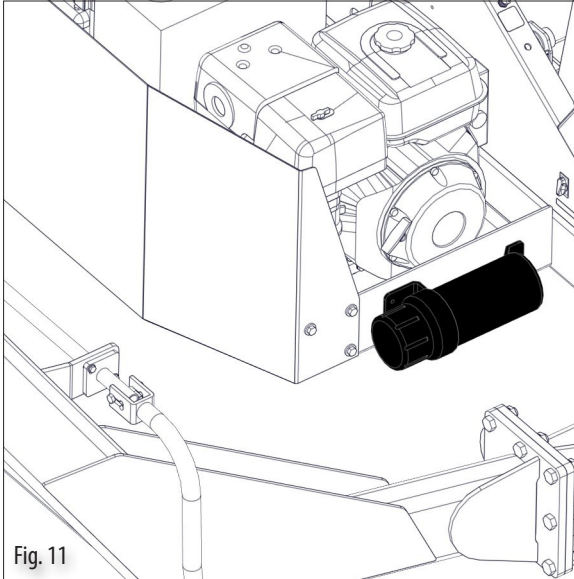


Fig. 11

Move the Manual Holder.

- **Remove both 1/4" x 1" hex bolts and hex nuts.**
- **Use manual holder as guide and mark two points on the power unit guard. Drill (2) 5/16" holes using the points as guides.**
- **Mount manual holder on the power unit guard using (2) 1/4" x 1" hex bolts and nuts.**
- **Tighten hardware.**

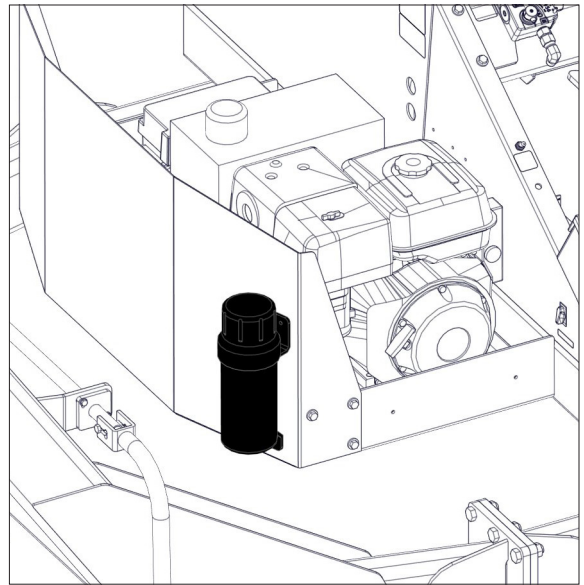


Fig. 12

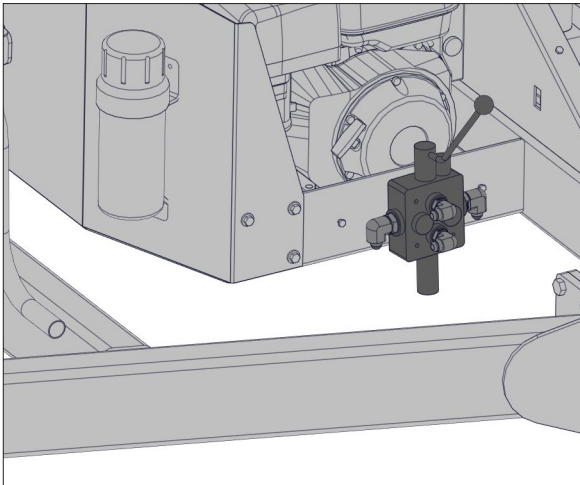


Fig. 13

Mount the Hydraulic Jack Control Valve.

- **Place control in the center of the red box in Fig.14.**
- **Using the control as a guide mark 2 points.**
- **Drill (2) 5/16" holes using the points as a guide.**
- **Attach the valve control using (2) 1/4" x 2" hex bolts and (2) 1/4" centerlock hex nuts.**
- **Tighten hardware.**

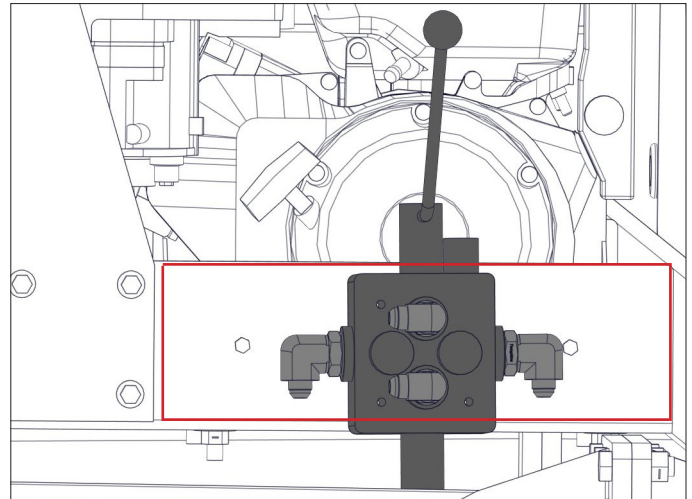


Fig. 14

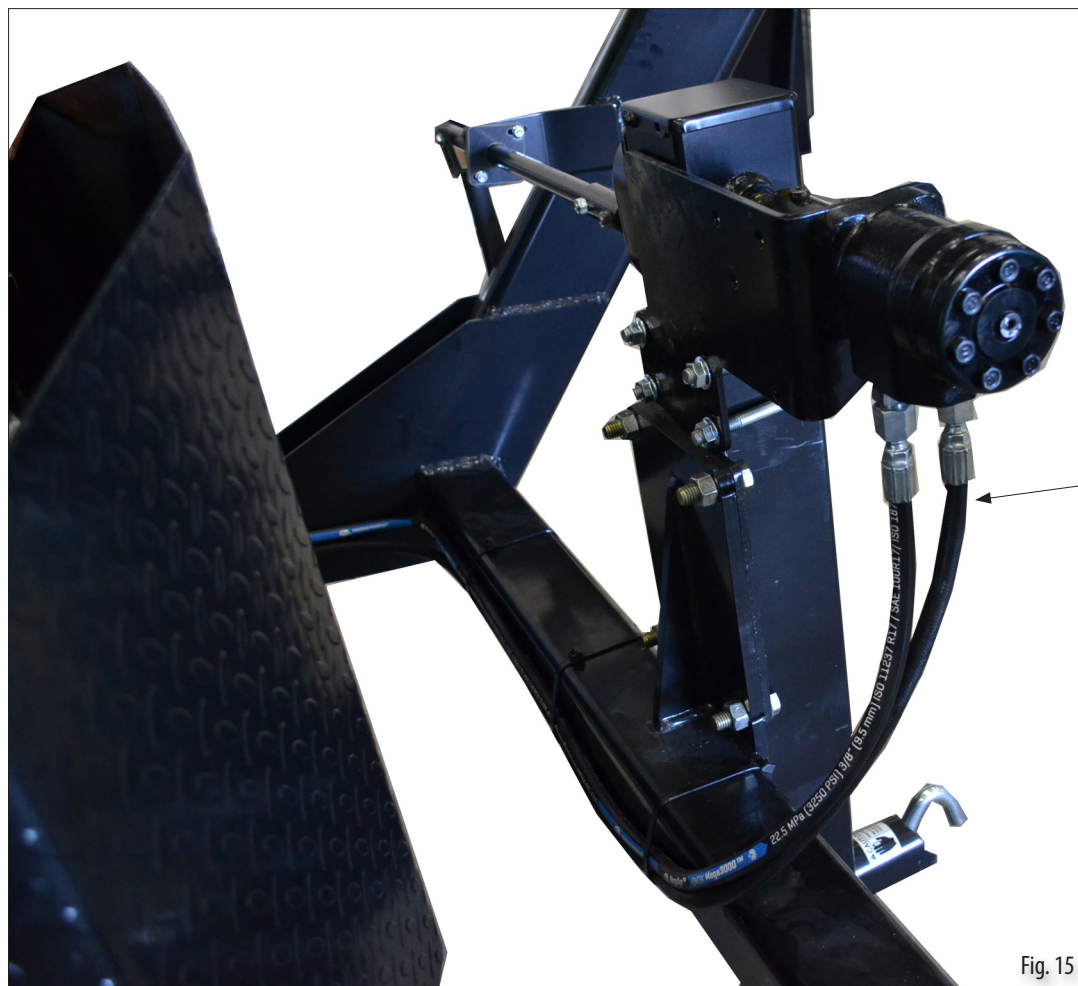


Fig. 15

Route hydraulic hoses from the hydraulic jack motor to the control valve.

- Use both 3/8" x 85" hydraulic hoses.
- Tighten fittings.

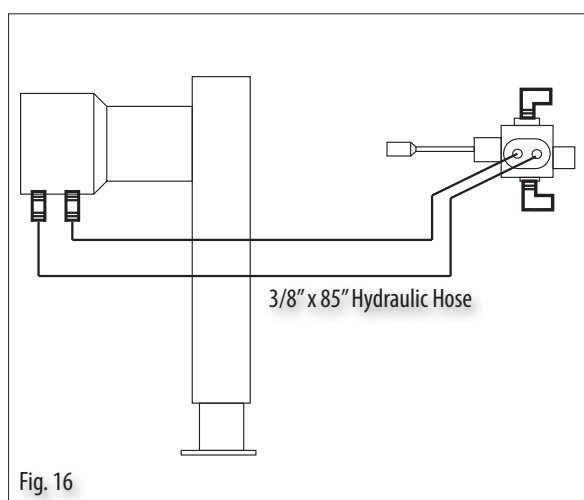


Fig. 16

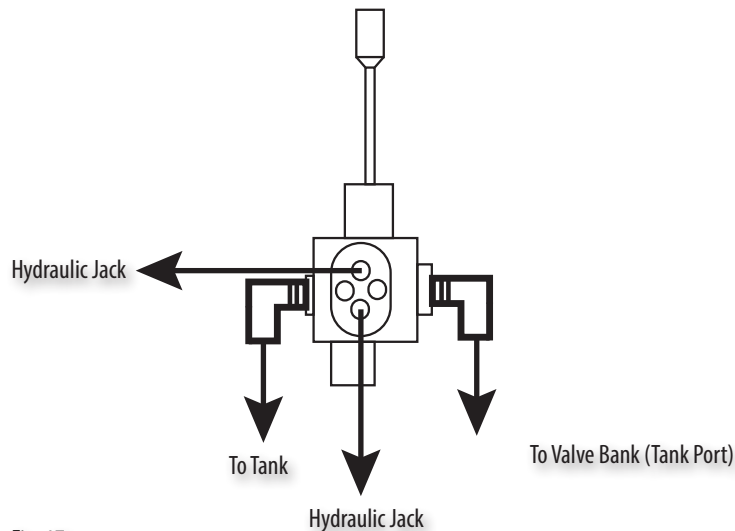
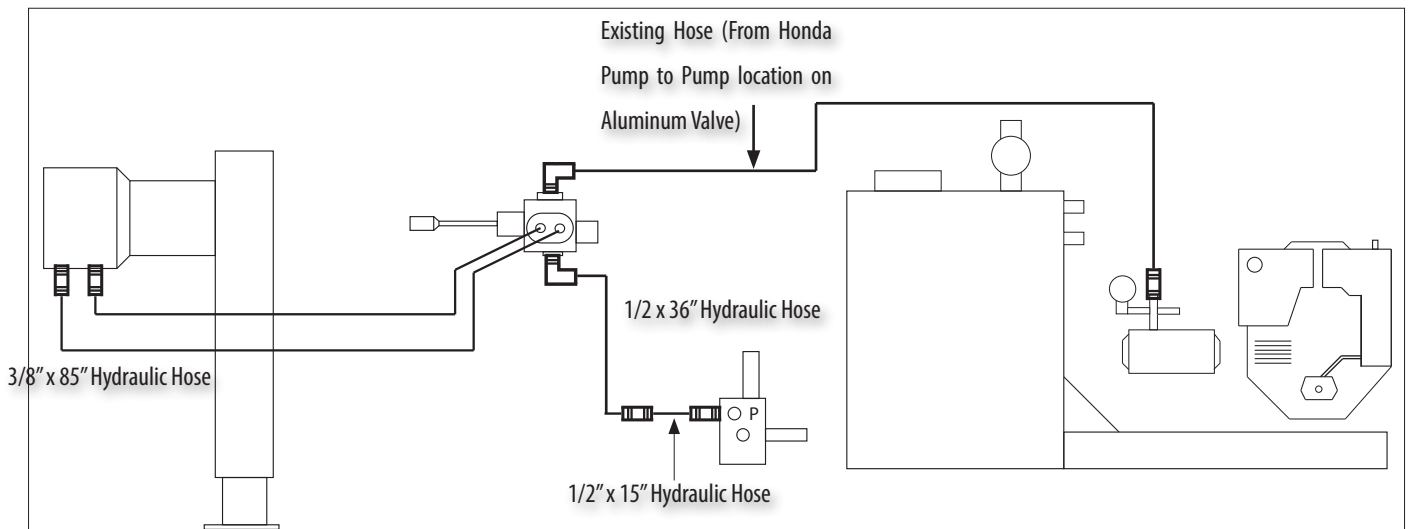


Fig. 17

Route hoses for control valve.

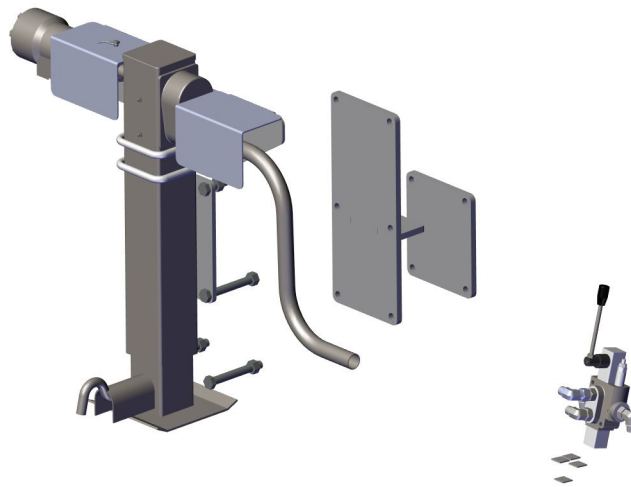
- **Remove Hydraulic Hose from pump location on Brand Valve and re-route to the top of the Hydraulic Jack Control Valve.**
- **Attach the supplied 1/2" x 36" Hydraulic Hose to the supplied 1/2" x 15" Hydraulic Hose.**
- **Route 1/2" x 36" Hydraulic Hose & 15" Hydraulic Hose from Control Valve to the "pump" location on the Brand Valve Block.**
- **Tighten fittings.**



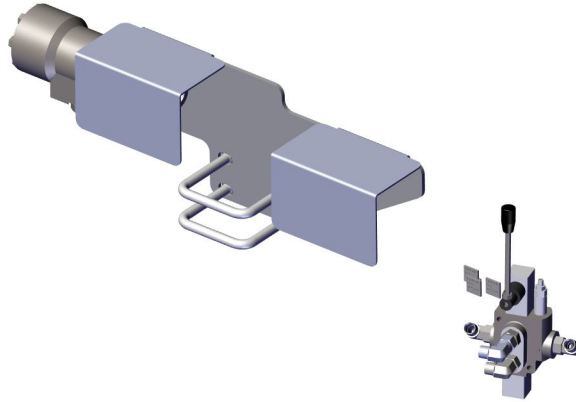
Set-Up Instructions (Units with Brand Valve)

- *Check to make sure all fittings are tight.*
- *Use zip ties to secure all hydraulic hoses to the Speed Tender.*
- *Turn motor on.*
- *Use control valve to raise and lower the hydraulic jack.*

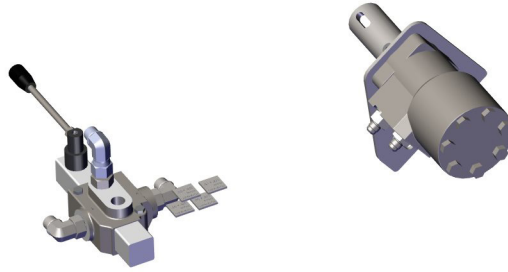
Bumper Pull Hydraulic Jack Kit (JM0035932)



#	Description	Qty	Part. No
1	#8 male JIC X #10 male o-ring; 90 degree elbow	2	JM0039215
2	#8 male JIC X #12 male o-ring; 90 degree elbow	2	JM0039216
3	#8 male JIC X .5 male NPT; straight	2	JM0015201
4	.38 DIA X 1.75 LG SKT Shoulder Bolt	1	JM0033449
5	0.3125-18 Gr5 Z Centerlock Hex Nut	1	JM0002143
6	0.375 x 2.5 Z Round Wire Lynch Pin	1	JM0014929
7	0.375-16 Gr5 Z SF Hex Nut	4	JM0002152
8	0.375-16 X 0.75 Gr5 Z SF Hex Bolt	4	JM0001750
9	0.375-16 X 1.0 Gr5 Z SF Hex Bolt	4	JM0002092
10	0.625-11 Gr5 Z Centerlock Hex Nut	10	JM0002146
11	0.625-11 X 2.0 Gr8 Z Hex Bolt	2	JM0001771
12	0.625-11 X 5.0 Gr5 Z Hex Bolt	4	JM0016682
13	Control Valve	1	JM0037802
14	Hydraulic Hose .5in x 60in	1	JM0042245
15	Hydraulic Hose .375in x 60in	2	JM0042246
16	Bumper Pull, Big Jack Mount, Weldment	1	JM0028541
17	Clamp Plate	1	JM0028546
18	Hydraulic Jack Cover	2	JM0034699
19	Mounting Brace	1	JM0034697
20	Jack Motor Coupler (short)	1	JM0026086
21	Square U-bolt 4.125 Inside Width x 6.0 Length, 0.625-11TH	2	JM0014190
22	155100F30B1AAAAA Hydraulic Motor	1	JM0010469



#	Description	Qty	Part. No
1	#8 male JIC X #10 male o-ring; 90 degree elbow	2	JM0039215
2	#8 male JIC X #12 male o-ring; 90 degree elbow	2	JM0039216
3	#8 male JIC X .5 male NPT; straight	2	JM0015201
4	.38 DIA X 1.75 LG SKT Shoulder Bolt	1	JM0033449
5	0.3125-18 Gr5 Z Centerlock Hex Nut	1	JM0002143
6	0.375 x 2.5 Z Round Wire Lynch Pin	1	JM0014929
7	0.375-16 Gr5 Z SF Hex Nut	4	JM0002152
8	0.375-16 X 0.75 Gr5 Z SF Hex Bolt	4	JM0001750
9	0.375-16 X 1.0 Gr5 Z SF Hex Bolt	4	JM0002092
10	0.625-11 Gr5 Z Centerlock Hex Nut	4	JM0002146
11	Control Valve	1	JM0037802
12	Hydraulic Hose .5in x 60in	1	JM0042245
13	Hydraulic Hose .375in x 60in	2	JM0042246
14	Hydraulic Jack Cover	2	JM0034699
15	Mounting Brace	1	JM0034697
16	Jack Motor Coupler (short)	1	JM0026086
17	Square U-bolt 4.125 Inside Width x 6.0 Length, 0.625-11TH	2	JM0014190
18	155100F30B1AAAAA Hydraulic Motor	1	JM0010469



#	Description	Qty	Part. No
1	#8 male JIC X #10 male o-ring; 90 degree elbow	2	JM0039215
2	#8 male JIC X #12 male o-ring; 90 degree elbow	2	JM0039216
3	#8 male JIC X .5 male NPT; straight	2	JM0015201
4	.38 DIA X 1.75 LG SKT Shoulder Bolt	1	JM0033449
5	0.25-20 Gr5 Z SF Hex Nut	6	JM0001630
6	0.25-20 X 2.5 Gr5 Z Hex Bolt	2	JM0001506
7	0.25-20 X 5.5 Gr5 Z Hex Bolt	4	JM0025773
8	0.3125-18 Gr5 Z Centerlock Hex Nut	1	JM0002143
9	0.375-16 Gr5 Z SF Hex Nut	2	JM0002152
10	0.375-16 X 0.75 Gr5 Z SF Hex Bolt	4	JM0001750
11	0.375-16 X 1.0 Gr5 Z Carriage Bolt	2	JM0001632
12	12 Cubic Inch Hydraulic Motor, 1in shaft	1	JM0036975
13	Control Valve	1	JM0037802
14	Hydraulic Hose .5in x 60in	1	JM0042245
15	Hydraulic Hose .375in x 92in	2	JM0042247
16	Jack Motor Bracket	2	JM0026084
17	Jack Motor Coupler (short)	1	JM0026086