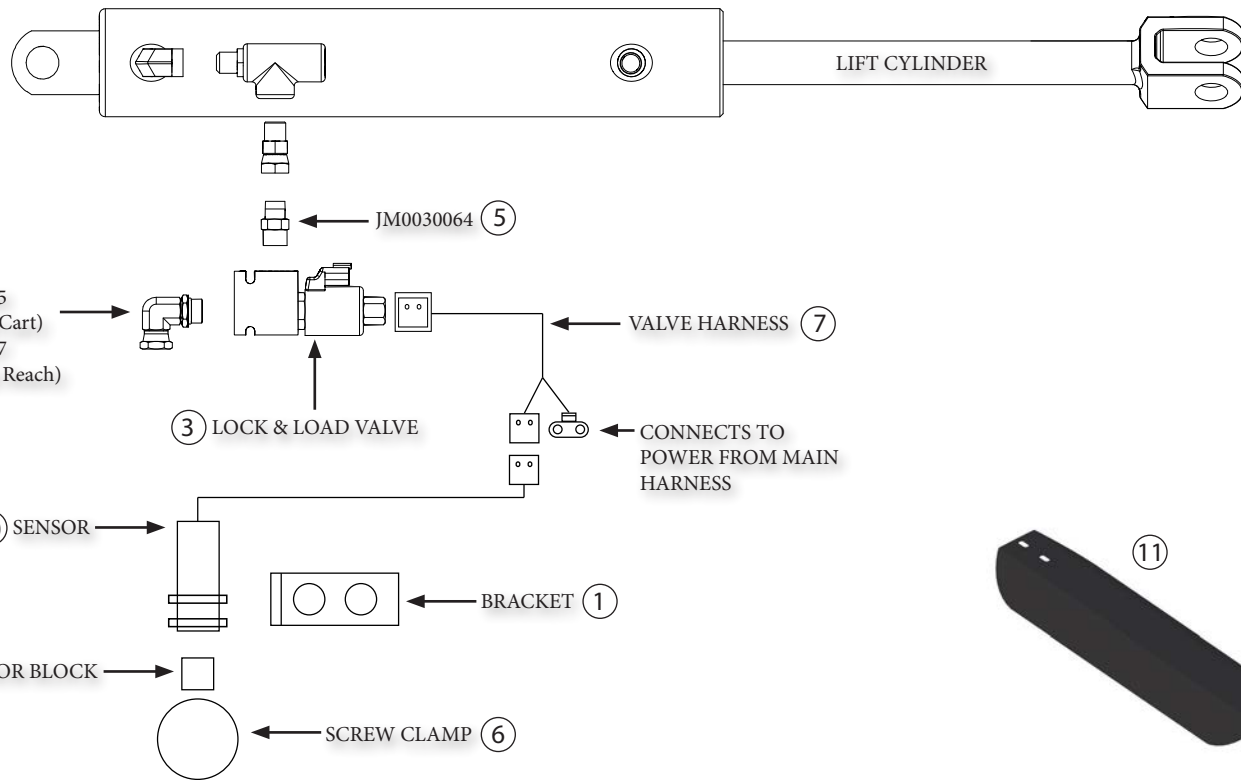


Lock & Load



NOTE: If the front harness does not have an available 2 prong female pigtail a new front harness will need to be purchased.
For Models 750 & 875 Item #11 will need to be purchased separately.
For Models 525 & 620 Items #11, #13, & #14 will need to be purchased separately.

#	Description	Part. No.
1	Auger Lock Bracket	JM0027976
2	Front Wiring Harness (2014 & Older)	JM0020439
3	Lock & Load Valve	JM0026254
4	#8 O-Ring x 3/8 NPT Female Swivel 90 Degree (Standard Cart)	JM0027285
5	3/8" Male NPT X #8 Male O-Ring Hex Nipple	JM0030064
6	Steel Sensor Target Screw Clamp	JM0015450
7	Wire from Valve to Main Harness	JM0015452
8	Sensor Block	JM0034666
9	3/8" Female NPT X #8 Male O-Ring Hex Nipple (Extended Reach)	JM0034657
10	Sensor	JM0030657
11	Driveline Shield for Lock & Load feature	JM0012692
12	Standard Grain Cart Lock & Load Kit	JM0034681
12	Extended Reach Grain Cart Lock & Load Kit	JM0034683
12	Standard Grain Cart Lock & Load Kit w/ Front Harness	JM0034688
12	Extended Reach Grain Cart Lock & Load Kit w/ Front Harness	JM0034687
13	5/8" x 2-1/4" Hex Bolt (For 525-620 Grain Carts)	JM0001493
13	5/8" Hex Nuts (Need 2) (For 525-620 Grain Carts)	JM0001522

Lock & Load Installation Instructions - Extended Reach Grain Carts

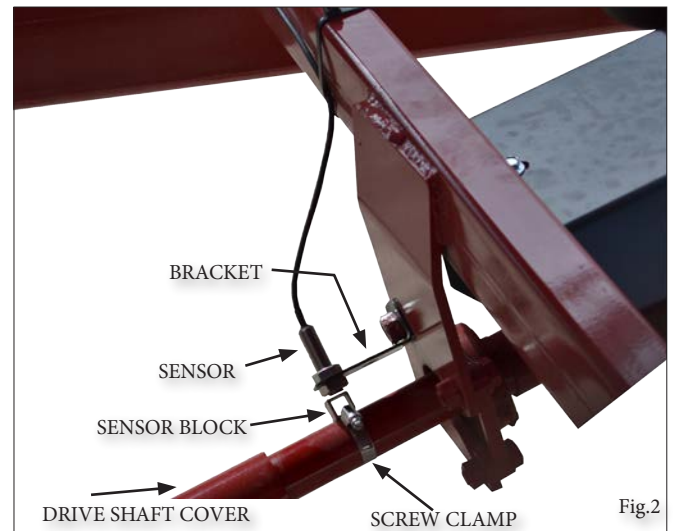
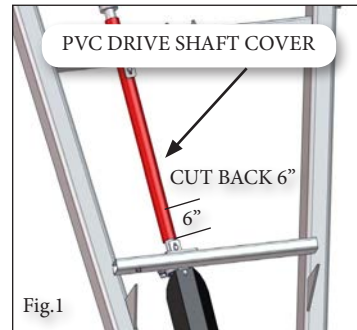
1. Cut the PVC drive shaft cover back 6". Use cutting wheel (Fig.1)

2. Install the Screw Clamp and sensor block. Tighten the Screw Clamp around the driveline 3" back from the bearing holder.

3. Install the sensor bracket onto the top left bolt of the bearing holder. Use 3/4" wrench to remove and attach 5/8" lock nut. (Fig 2.)

4. Attach the sensor to the sensor bracket. A 1/16" should separate the sensor and the sensor block. Adjust accordingly, then tighten the two jam nuts using 15/16" wrenches. (Fig 2.)

5. Route the cable coming from the sensor through the A-Frame tube towards the front drivers side leg. Connect the two prong end portion of the cable to the main wiring harness. (Fig. 2.)



6. Remove the bottom hose from the check valve on the folding cylinder in the front of the cart. (Fig 3.)

7. Install JM0030064- 3/8" Female NPT X #8 Male O-Ring Hex Nipple to the top port on the Lock & Load valve. Use a 7/8" wrench. (Fig 3.)

8. Attach the Lock and Load valve to the check valve. (Fig 3.)

9. Install JM0034657 fitting to the bottom of the Lock & Load valve. Orientate the Lock and Load valve according to Fig. 3.

10. Attach hose from step 7 to the #8 O-Ring x 3/8 NPT Female Swivel 90 Degree fitting. (Fig 3.)

11. Connect harness JM0015452 to the Lock & Load and route through the front leg. Connect the opposite end of the harness to the cable coming from the sensor. Secure the harness using cable ties.

12. Check that all fittings are tightened.

13. Test Lock & Load feature by trying to fold the upper auger while running the pto.

Lock & Load Installation Instructions - Standard Grain Carts

For Model 1000 grain cart and larger, skip steps 1 & 7.

1. Remove the drive shaft cover. Use 9/16" wrench. (Fig.1)
2. Cut the PVC drive shaft cover back 6". Use cutting wheel (Fig.2)
3. Install the Screw Clamp and sensor block. Tighten the Screw Clamp around the driveline 3" back from the bearing holder.
4. Install the sensor bracket onto the top left bolt of the bearing holder. Use 3/4" wrench to remove and attach 5/8" lock nut. (Fig. 3.) (For 525 & 620 model grain carts replace bolt with 2-1/4" x 5/8" hex bolt. Install (2) 5/8" hex nuts, sensor bracket, then the 5/8" lock nuts.)
5. Attach the sensor to the sensor bracket. A 1/16" should separate the sensor and the sensor block. Adjust accordingly, then tighten the two jam nuts using 15/16" wrenches. (Fig 3.)
6. Route the cable coming from the sensor through the A-Frame tube towards the front drivers side leg. Connect the two prong end portion of the cable to the main wiring harness. (Fig. 3.)
7. Attach the new (JM0012692) Drive Shaft Cover onto the cart. Use the hardware removed in step 1. Use 9/16" wrench to tighten.

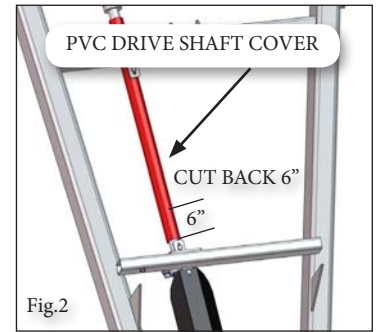
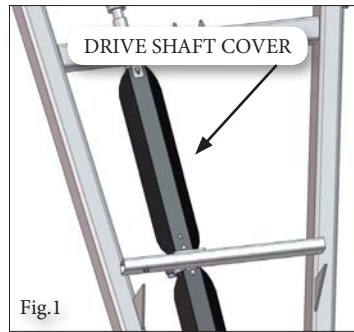


Fig.4

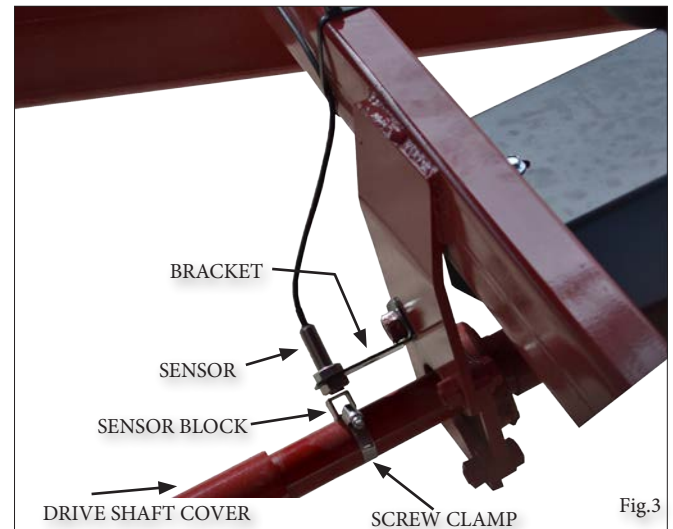


Fig.3

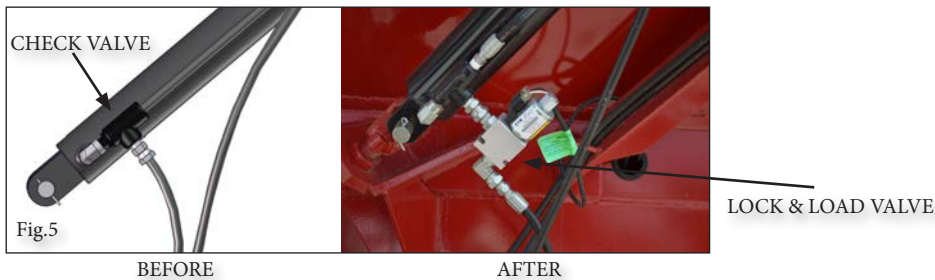


Fig.5

8. Remove the bottom hose from the check valve on the folding cylinder in the front of the cart. (Fig 5.)
9. Install JM0030064 to the top port on the Lock & Load valve. Use a 7/8" wrench. (Fig 5.)
10. Attach the Lock and Load valve to the check valve. (Fig 5.)
11. Install #8 O-Ring x 3/8 NPT Female Swivel 90 Degree fitting to the bottom of the Lock & Load valve. Orientate the Lock and Load valve according to Fig. 5.
12. Attach hose from step 7 to the #8 O-Ring x 3/8 NPT Female Swivel 90 Degree fitting. (Fig 5.)
13. Connect harness JM0015452 to the Lock & Load and route through the front leg. Connect the opposite end of the harness to the cable coming from the sensor. Secure the harness using cable ties.
14. Check that all fittings are tightened.
15. Test Lock & Load feature by trying to fold the upper auger while running the pto.