

Mounting Bracket Bundle

for Round Baler and Bale Ejector Controls

JD050004



Installation Instructions



Includes installation instructions for the mounting brackets used in conjunction with the John Deere Model 42 Bale Ejector Control Box and all John Deere Round Baler Control Boxes.

Please retain this document for future reference.

RCI Engineering LLC
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www.RCIEngineering.com

RCI Engineering LLC

New Attachments for Agricultural Equipment Warranty Statement

RCI Engineering LLC, hereinafter referred to as RCI, warrants new RCI attachments, to the Original Retail Purchaser to be free from defects in material and workmanship for a period of one (1) year from the date of sale.

RCI warranty includes:

Genuine RCI parts costs required to repair or replace equipment at the selling dealer's business location.

RCI MAKES NO REPRESENTATIONS OR WARRANTIES OF ANY KIND, EXPRESSED OR IMPLIED (INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE), EXCEPT AS EXPRESSLY STATED IN THIS WARRANTY STATEMENT.

RCI WARRANTY DOES NOT INCLUDE:

1. Transportation to the selling dealer's business location or, at the option of the Original Retail Purchaser, the cost of a service call.
2. Freight costs above standard shipping costs for the replacement parts.
3. Labor to make the repair or installation of the failed component.
4. Used equipment.
5. Components covered by their own non-RCI warranties, such as tires and trade accessories.
6. Repairs or adjustments caused by: improper use; non-intended use; failure to follow recommended maintenance procedures; use of unauthorized attachments; accident or other casualty.
7. Liability for incidental or consequential damages of any type, including, but not limited to lost profits or expenses of acquiring replacement equipment or damage to machines to which the attachment is installed.

No agent, employee, or representative of RCI has any authority to bind RCI to any warranty except as specifically set forth herein. Any of these limitations excluded by local law shall be deemed deleted from this warranty; all other terms will continue to apply.

IMPORTANT INFORMATION

The **42 Bale Ejector Control Bundle** from John Deere does not include brackets to mount in the **Premium Cab** offered for the **John Deere 6030-Series up to the 7430-Series Tractors**. All other cab and seat configurations are covered by the brackets in the control bundle as received from John Deere. Use this bundle (JD050004 from RCI) to install a mounting location for the 42 Bale Ejector Control on these configurations of tractors.

When installing the control for a **Model 42 Bale Ejector** on a **John Deere 5E-Series Cab or 5M-Series Cab Tractor**, a different bracket is needed. Order Bracket JD056001 from RCI directly (JD050004 Bundle from RCI is not needed in this case). This will replace the bracket in the BE23519 Bundle from John Deere. This bracket is also **compatible with all John Deere Round Baler Control Boxes**.

When installing the control for **any John Deere Round Baler** on a **5E-Series Cab or 5M-Series Cab Tractor**, order Bracket JD056001 from RCI directly (JD050004 Bundle from RCI is not needed in this case). This will allow for mounting of the Round Baler control on the ROPS in a standard position.

When installing the control for a **Model 42 Bale Ejector** on a **John Deere 5D-Series Open Station or 5M-Series Open Station (Fixed or Deluxe)**, use the existing BE23863 Bundle from John Deere as it locates the mounts on the ROPS in a standard position for mounting the controls. In this configuration, it will be necessary to move the mounts closer together and drill out the two holes on the base of the Ejector Control to 13 mm (1/2") to fasten to the mount.

Figure 1 shows the preferred mounting orientation for the JD056001 Bracket in the 5M-Series Cab Tractor as an example.

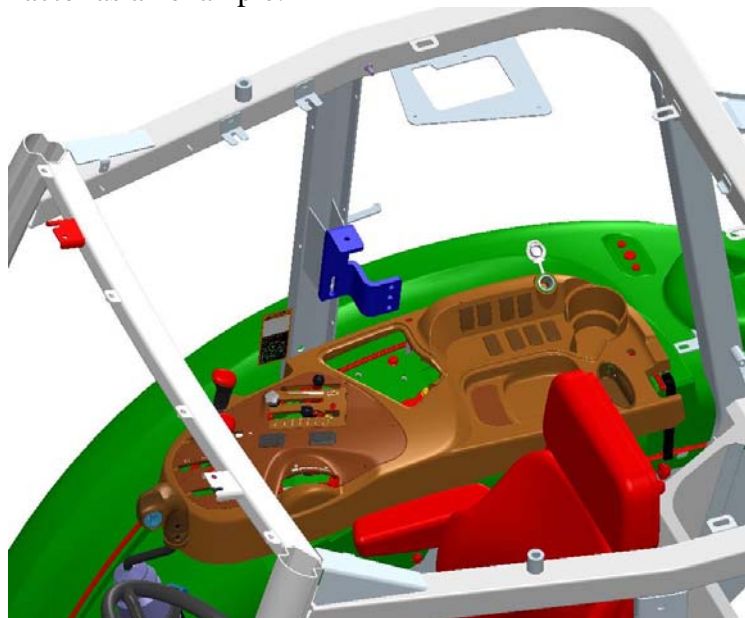


Figure 1. Preferred Mounting Location of JD056001 Bracket in a 5M-Series Cab

Bracket Installation

Install the enclosed bracket and supporting plate as follows.

- 1/ Remove the access panel indicated in Figure 2. It is not necessary to remove the rest of the console.



Figure 2. Access Panel Removal
Key 1 – Access Panel

- 2/ Align the mounting bracket with the right end of the center pocket as indicated in Figure 3. Leave approximately 1/4" inch (6 mm) clearance to two sides of the pocket. Bracket should be parallel to right end of pocket as shown. Mark 3 holes for drilling.

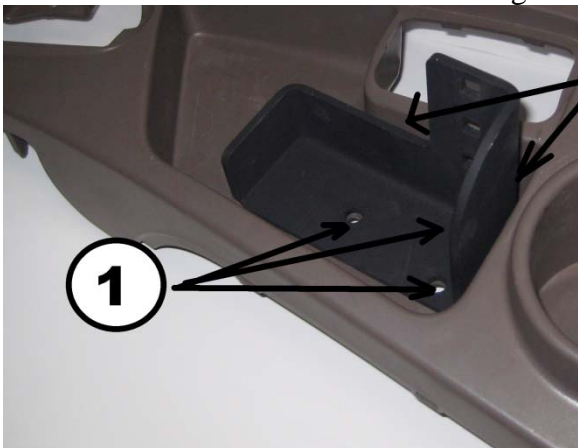


Figure 3. Positioning of Bracket
(console removed for clarity)
Key 1 – Holes to mark
Key 2 – Spacing to hold

- 3/ Drill three holes of 3/8" (10 mm) diameter at locations marked.

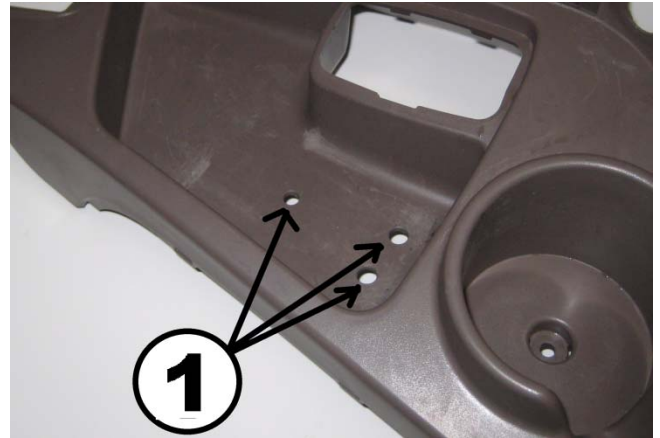


Figure 4. Drill Holes
Key 1 – 3/8" Diameter Hole

- 4/ Install upper bracket to the console as indicated in Figure 5. Install backing plate on bottom side as indicated in Figure 6 using 5/16" x 1" Flange head bolts with 5/16" Flange Nuts. Reinstall the access panel removed in step 1.

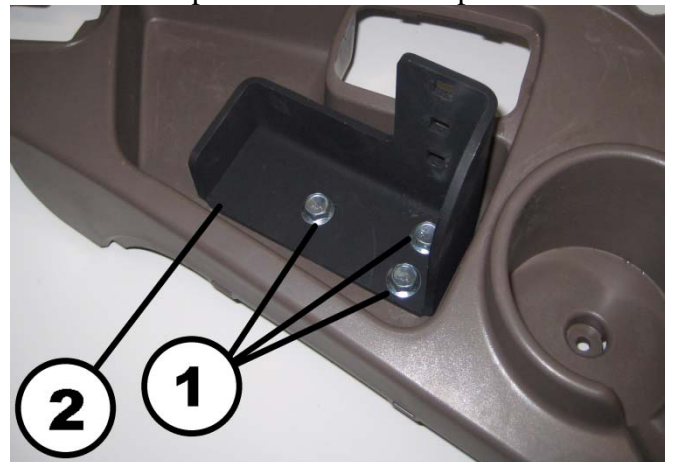


Figure 5. Installation of Hardware
Key 1 – 5/16" x 1" Flange Bolts
Key 2 – Bracket



Figure 6. Installation of Backing Plate
Key 1 – 5/16” Flange Nut
Key 2 – Backing Plate – Note orientation

5/ Install Bale Ejector Control to mounting bracket using 5/16” x 3/4” carriage bolts and 5/16” flange nuts as indicated in Fig 7.

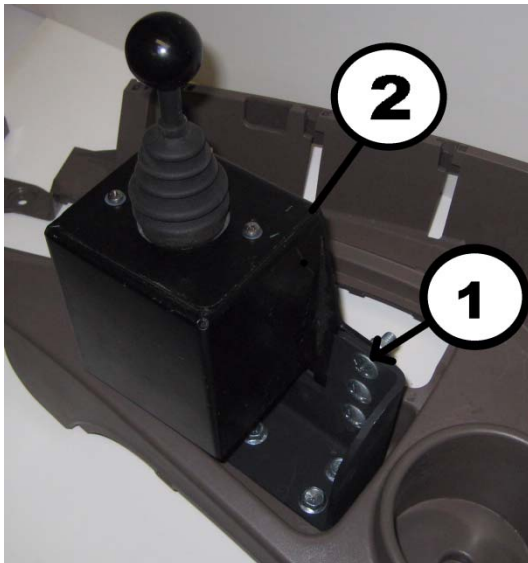


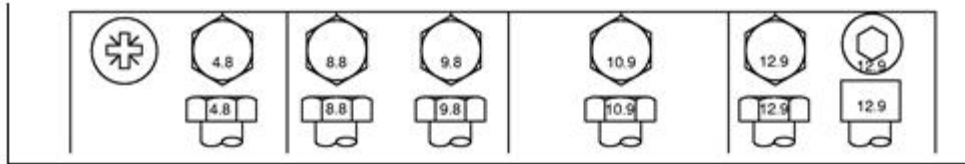
Figure 7. Control Installation (Right)
Key 1 – 5/16” x 3/4” Carriage bolts and flange nuts
Key 2 - Control

Unified Inch Bolt and Screw Torque Values



Bolt or Screw	SAE Grade 1				SAE Grade 2 ^a				SAE Grade 5, 5.1 or 5.2				SAE Grade 8 or 8.2				
	Lubricated ^b		Dry ^c		Lubricated ^b		Dry ^c		Lubricated ^b		Dry ^c		Lubricated ^b		Dry ^c		
Size	N·m	lb-in	N·m	lb-in	N·m	lb-in	N·m	lb-in	N·m	lb-in	N·m	lb-in	N·m	lb-in	N·m	lb-in	
1/4	3.7	33	4.7	42	6	53	7.5	66	9.5	84	12	106	13.5	120	17	150	
													N·m	lb-ft	N·m	lb-ft	
5/16	7.7	68	9.8	86	12	106	15.5	137	19.5	172	25	221	28	20.5	35	26	
									N·m	lb-ft	N·m	lb-ft					
3/8	13.5	120	17.5	155	22	194	27	240	35	26	44	32.5	49	36	63	46	
			N·m	lb-ft	N·m	lb-ft	N·m	lb-ft									
7/16	22	194	28	20.5	35	26	44	32.5	56	41	70	52	80	59	100	74	
	N·m	lb-ft															
1/2	34	25	42	31	53	39	67	49	85	63	110	80	120	88	155	115	
9/16	48	35.5	60	45	76	56	95	70	125	92	155	115	175	130	220	165	
5/8	67	49	85	63	105	77	135	100	170	125	215	160	240	175	305	225	
3/4	120	88	150	110	190	140	240	175	300	220	380	280	425	315	540	400	
7/8	190	140	240	175	190	140	240	175	490	360	615	455	690	510	870	640	
1	285	210	360	265	285	210	360	265	730	540	920	680	1030	760	1300	960	
1-1/8	400	300	510	375	400	300	510	375	910	670	1150	850	1450	1075	1850	1350	
1-1/4	570	420	725	535	570	420	725	535	1280	945	1630	1200	2050	1500	2600	1920	
1-3/8	750	550	950	700	750	550	950	700	1700	1250	2140	1580	2700	2000	3400	2500	
1-1/2	990	730	1250	930	990	730	1250	930	2250	1650	2850	2100	3600	2650	4550	3350	
Torque values listed are for general use only, based on the strength of the bolt or screw. DO NOT use these values if a different torque value or tightening procedure is given for a specific application. For plastic insert or crimped steel type lock nuts, for stainless steel fasteners, or for nuts on U-bolts, see the tightening instructions for the specific application. Shear bolts are designed to fail under predetermined loads. Always replace shear bolts with identical grade.									Replace fasteners with the same or higher grade. If higher grade fasteners are used, tighten these to the strength of the original. Make sure fastener threads are clean and that you properly start thread engagement. When possible, lubricate plain or zinc plated fasteners other than lock nuts, wheel bolts or wheel nuts, unless different instructions are given for the specific application.								
^a Grade 2 applies for hex cap screws (not hex bolts) up to 6 in (152 mm) long. Grade 1 applies for hex cap screws over 6 in (152 mm) long, and for all other types of bolts and screws of any length.																	
^b "Lubricated" means coated with a lubricant such as engine oil, fasteners with phosphate and oil coatings, or 7/8 in. and larger fasteners with JDMF13C zinc flake coating.																	
^c "Dry" means plain or zinc plated without any lubrication, or 1/4 to 3/4 in. fasteners with JDMF13B zinc flake coating.																	

Metric Bolt and Screw Torque Values



Bolt or Screw	Class 4.8				Class 8.8 or 9.8				Class 10.9				Class 12.9			
	Lubricated ^a		Dry ^b		Lubricated ^a		Dry ^b		Lubricated ^a		Dry ^b		Lubricated ^a		Dry ^b	
Size	N·m	lb-in	N·m	lb-in	N·m	lb-in	N·m	lb-in	N·m	lb-in	N·m	lb-in	N·m	lb-in	N·m	lb-in
M6	4.7	42	6	53	8.9	79	11.3	100	13	115	16.5	146	15.5	137	19.5	172
									N·m	lb-ft	N·m	lb-ft	N·m	lb-ft	N·m	lb-ft
M8	11.5	102	14.5	128	22	194	27.5	243	32	23.5	40	29.5	37	27.5	47	35
			N·m	lb-ft	N·m	lb-ft	N·m	lb-ft								
M10	23	204	29	21	43	32	55	40	63	46	80	59	75	55	95	70
	N·m	lb-ft														
M12	40	29.5	50	37	75	55	95	70	110	80	140	105	130	95	165	120
M14	63	46	80	59	120	88	150	110	175	130	220	165	205	150	260	190
M16	100	74	125	92	190	140	240	175	275	200	350	255	320	235	400	300
M18	135	100	170	125	265	195	330	245	375	275	475	350	440	325	560	410
M20	190	140	245	180	375	275	475	350	530	390	675	500	625	460	790	580
M22	265	195	330	245	510	375	650	480	725	535	920	680	850	625	1080	800
M24	330	245	425	315	650	480	820	600	920	680	1150	850	1080	800	1350	1000
M27	490	360	625	460	950	700	1200	885	1350	1000	1700	1250	1580	1160	2000	1475
M30	660	490	850	625	1290	950	1630	1200	1850	1350	2300	1700	2140	1580	2700	2000
M33	900	665	1150	850	1750	1300	2200	1625	2500	1850	3150	2325	2900	2150	3700	2730
M36	1150	850	1450	1075	2250	1650	2850	2100	3200	2350	4050	3000	3750	2770	4750	3500

Torque values listed are for general use only, based on the strength of the bolt or screw. DO NOT use these values if a different torque value or tightening procedure is given for a specific application. For stainless steel fasteners or for nuts on U-bolts, see the tightening instructions for the specific application. Tighten plastic insert or crimped steel type lock nuts by turning the nut to the dry torque shown in the chart, unless different instructions are given for the specific application.

Shear bolts are designed to fail under predetermined loads. Always replace shear bolts with identical property class. Replace fasteners with the same or higher property class. If higher property class fasteners are used, tighten these to the strength of the original. Make sure fastener threads are clean and that you properly start thread engagement. When possible, lubricate plain or zinc plated fasteners other than lock nuts, wheel bolts or wheel nuts, unless different instructions are given for the specific application.

^a"Lubricated" means coated with a lubricant such as engine oil, fasteners with phosphate and oil coatings, or M20 and larger fasteners with JDM F13C zinc flake coating

^b"Dry" means plain or zinc plated without any lubrication, or M6 to M18 fasteners with JDM F13B zinc flake coating