SB541C

Square Baler

OPERATOR'S MANUAL

Part number 84541481

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CASE IH AGRICULTURE

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Work light control box

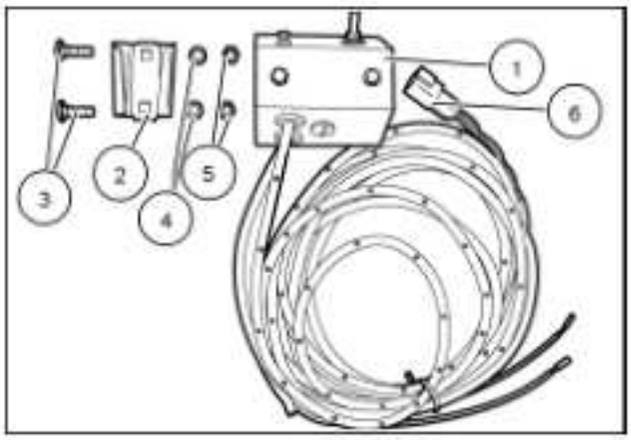
⚠ WARNING

Electrical shock hazard!
Before working on any part of the electrical system, disconnect the battery ground cable. Complete all electrical work before connecting the cable.
Failure to comply could result in death or serious injury.

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Mounting

1. Select a convenient location near the operator's tractor seat to mount the control box **(1)**.
2. Drill two 9 mm (11/32 in) holes to mount the control box receptacle **(2)** with two 5/16" x 1-1/4" carriage bolts **(3)** and secured with two split lock washers **(4)** and nuts **(5)**.
3. Slide the control box into the receptacle.
4. A three-way toggle switch **(6)** controls the work light operation.
5. Route the wire harness from the control box to the power source on the tractor. Select a routing that will protect the harness from damage by moving parts or sharp objects.



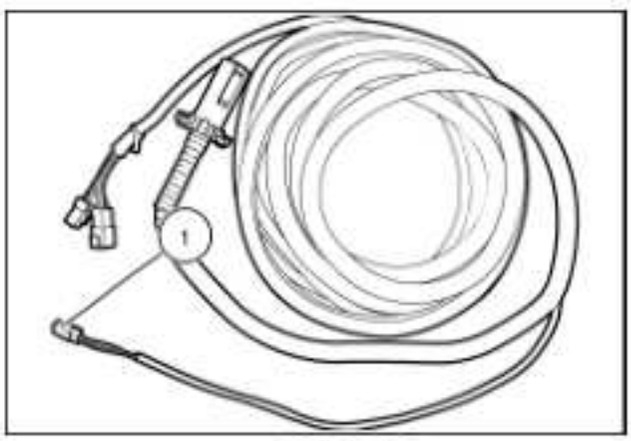
Tractor electrical connection

NOTICE: *A **15 A** circuit breaker must be installed along the red positive (+) wire as close to the power source as possible. Mount the circuit breaker with the terminal marked BAT toward the power source before connecting the wire harness.*

NOTICE: *The red wire in the wire harness is always the positive (+), and the black wire is always the negative (–) ground wire. Failure to connect the wires as positive to positive and negative to negative will result in damage to the wire harness.*

NOTICE: *The lights are designed for use on a **12 V** negative (–) Ground Tractor Electrical System. They will not work on **6 V** tractors.*

6. Join the control box harness electrical connector **(6)** Figure **4** to the baler front wire harness connector **(1)**, Figure **5**.



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NOTE: *Imperial Units, **1/4** inch and **5/16** inch hardware torque specifications are shown as pound-inches (**# lb in**). Imperial Units, **3/8** inch through **1** inch hardware torque specifications are shown as pound-feet (**# lb ft**).*

INCH NON-FLANGED HARDWARE

NOMINAL SIZE	SAE GRADE 5 BOLT and NUT		SAE GRADE 8 BOLT and NUT		LOCKNUT GrB W/ Gr5 BOLT	LOCKNUT GrC W/ Gr8 BOLT
	UN-PLATED or PLATED SILVER	PLATED W/ZnCr GOLD	UN-PLATED or PLATED SILVER	PLATED W/ZnCr GOLD		
1/4 in	8 N·m (71 lb in)	11 N·m (97 lb in)	12 N·m (106 lb in)	16 N·m (142 lb in)	8.5 N·m (75 lb in)	12.2 N·m (109 lb in)
5/16 in	17 N·m (150 lb in)	23 N·m (204 lb in)	24 N·m (212 lb in)	32 N·m (283 lb in)	17.5 N·m (155 lb in)	25 N·m (220 lb in)
3/8 in	30 N·m (22 lb ft)	40 N·m (30 lb ft)	43 N·m (31 lb ft)	57 N·m (42 lb ft)	31 N·m (23 lb ft)	44 N·m (33 lb ft)
7/16 in	48 N·m (36 lb ft)	65 N·m (48 lb ft)	68 N·m (50 lb ft)	91 N·m (67 lb ft)	50 N·m (37 lb ft)	71 N·m (53 lb ft)
1/2 in	74 N·m (54 lb ft)	98 N·m (73 lb ft)	104 N·m (77 lb ft)	139 N·m (103 lb ft)	76 N·m (56 lb ft)	108 N·m (80 lb ft)
9/16 in	107 N·m (79 lb ft)	142 N·m (105 lb ft)	150 N·m (111 lb ft)	201 N·m (148 lb ft)	111 N·m (82 lb ft)	156 N·m (115 lb ft)
5/8 in	147 N·m (108 lb ft)	196 N·m (145 lb ft)	208 N·m (153 lb ft)	277 N·m (204 lb ft)	153 N·m (113 lb ft)	215 N·m (159 lb ft)
3/4 in	261 N·m (193 lb ft)	348 N·m (257 lb ft)	369 N·m (272 lb ft)	491 N·m (362 lb ft)	271 N·m (200 lb ft)	383 N·m (282 lb ft)
7/8 in	420 N·m (310 lb ft)	561 N·m (413 lb ft)	594 N·m (438 lb ft)	791 N·m (584 lb ft)	437 N·m (323 lb ft)	617 N·m (455 lb ft)
1 in	630 N·m (465 lb ft)	841 N·m (620 lb ft)	890 N·m (656 lb ft)	1187 N·m (875 lb ft)	654 N·m (483 lb ft)	924 N·m (681 lb ft)

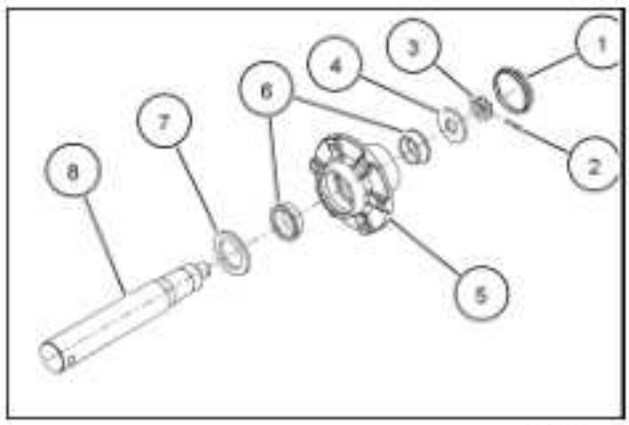
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Wheel hub lubrication

Remove, clean, inspect and repack the wheel bearings yearly.
Use **CASE IH AKCELA PREMIUM GREASE EP-2**.

Remove and disassemble

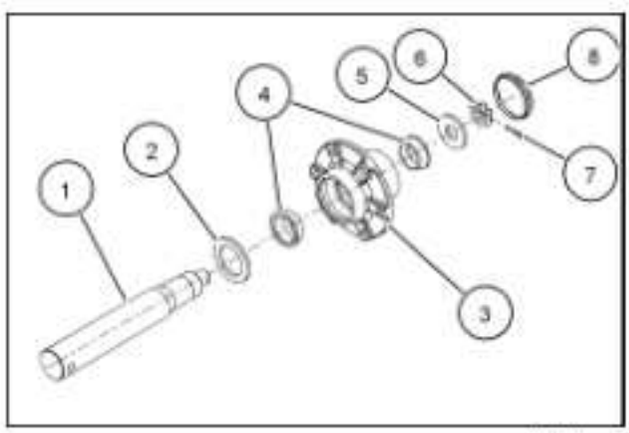
1. Position the jack under the baler axle on the wheel side being serviced.
   Jack up the baler.
   Remove the wheel.
2. Carefully pry the hubcap **(1)** from the hub. Do not damage or distort the sealing edges of the hub cap to maintain its sealing integrity.
3. Remove the cotter pin **(2)**.
4. Remove the castle nut **(3)**.
5. Remove the one or two washers **(4)**.
6. Pull the hub/bearing cup assembly **(5)**, bearing cones **(6)**, and grease seal **(7)** from the shaft **(8)**. A pulling tool may be necessary to pull the hub assembly from the shaft.
7. Clean the old grease from the shaft end, bearing cones, and hub/bearing cup assembly.
   Inspect the bearing cups and cones. Replace the bearings if necessary.



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Assemble and install

1. Onto the hub shaft **(1)**, install the grease seal **(2)**.
2. Use **CASE IH AKCELA PREMIUM GREASE EP-2** to thoroughly hand pack the bearing cups and cones.
   Install the bearing cones into the hub/bearing cup assembly.
   Pack the hub cavity with grease to the inner diameters of the bearing cups.
3. Install the greased hub and bearing assembly **(3)** and **(4)** onto the hub shaft.
4. Install the same quantity, one or two washers **(5)** as were originally removed.
5. Install the castle nut **(6)**. To properly seat all parts, the castle nut must be torqued to **27 - 34 N·m** (**20 - 25 lb ft**) while rotating the hub in both directions. If necessary, back off the nut to the first flat for alignment to the cotter pin hole.
6. Install the cotter pin **(7)** and bend legs apart.
7. Install the hub cap **(8)**. Seat the cap by tapping with a rubber mallet.
8. Install the wheels. Incrementally, tighten and torque the wheel lug bolts to **120 - 135 Nm** (**89 - 100 lb ft**). Torque daily until torque is maintained.
9. Lower and remove the jack.



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