

**SB-10045780-1045**

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## Coding Information

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**Title: ProStar Battery Cable Routing - 12654**

**Applies To: Garland-Built ProStar113" and 8600 LSM**

**DESCRIPTION**

On Garland-built ProStar® 113" with left-side battery box, or 8600 with left-side BOC battery box, the battery cables may route too close to the spring hanger shackle bolt.

**TOOLS REQUIRED**

Description	Tool Number / Type
Socket Wrench	7/16 in.
Diagonal Cutting Pliers	-

**PARTS INFORMATION**

Part Number	Description	Quantity
3807534C1	Mounting bracket	1
3626607C1	Cable straps	2
Obtain locally	5/8 in. x 1 ½ bolt	1
Obtain locally	5/8 in. nut	1

Obtain locally	5/8 in. lock washer	1
2041341C1	Saddle	1
Obtain locally	1/4 x 1 1/4 in. UNC bolt	1
Obtain locally	1/4 in. UNC nut	1
Obtain locally	1/4 in. lock washer	1
R3X9BR5495	Positive cable*	1
R4X6BR1465	Positive cable*	1
K3X9419320	Negative cable*	1
K3X6742390	Negative cable*	1
<b>*NOTE: If cables are not available, produce cables locally.</b>		

### STANDARD REPAIR TIME

Operation Number	Description	Time
A08T1	Inspect and re-route cables	0.2 hr.
A08T2	Inspect, add mounting bracket, and re-route cables	0.4 hr.

### WORK INSTRUCTIONS

#### **WARNING!**

Park vehicle on hard flat surface, turn the engine off, set the parking brake, and block the wheels to prevent the vehicle from moving in both directions. Failure to do so may result in property damage, personal injury, and/or death.

#### **WARNING!**

If the vehicle must be raised, do not work under the vehicle supported only by jacks. Jacks can slip or fall over, potentially resulting in property damage, personal injury, and/or death.

#### **WARNING!**

Always wear safe eye protection when performing vehicle maintenance. Failure to do so may result in serious eye injury.

#### **WARNING!**

Keep flames or sparks away from vehicle and do not smoke while servicing the

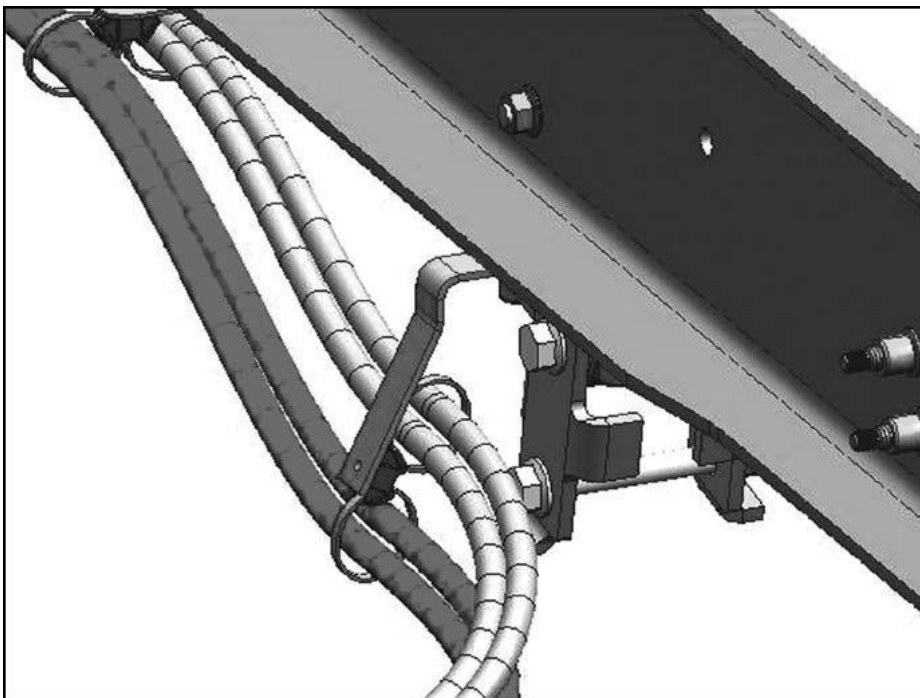
vehicle's batteries. Batteries expel explosive gases. Failure to do so may result in property damage, personal injury, and/or death.

**WARNING!**

Remove the ground cable from the negative terminal of the battery box before disconnecting any electrical components. Always connect the ground cable last. Failure to do so may result in property damage, personal injury, and/or death.

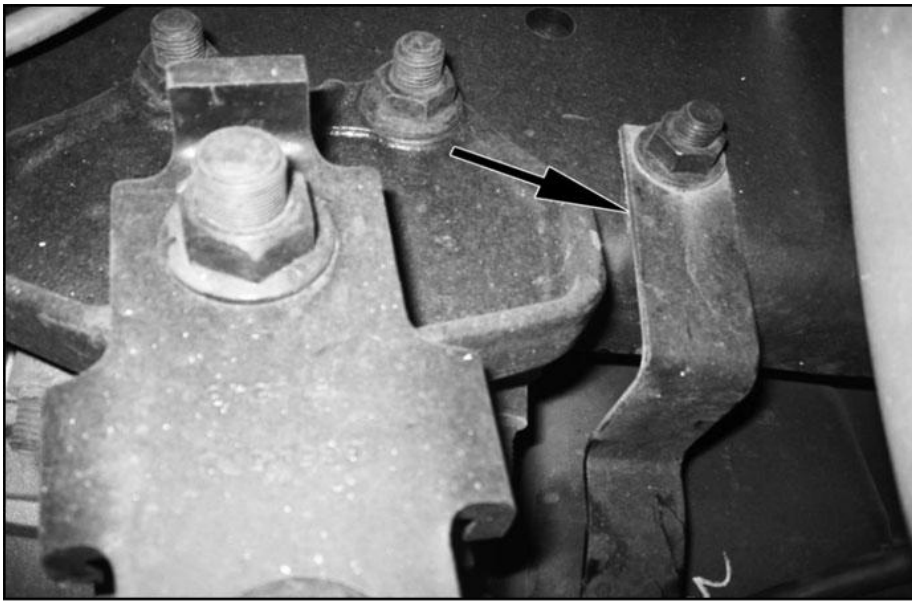
**NOTE:** Inspect vehicle for harness mounting bracket near spring hanger (Figure 1). If vehicle is not equipped with harness mounting bracket at this location, obtain parts listed in Materials Required and go to Step 7. If vehicle has harness mounting bracket then continue with procedure.

**REPAIR PROCEDURES**



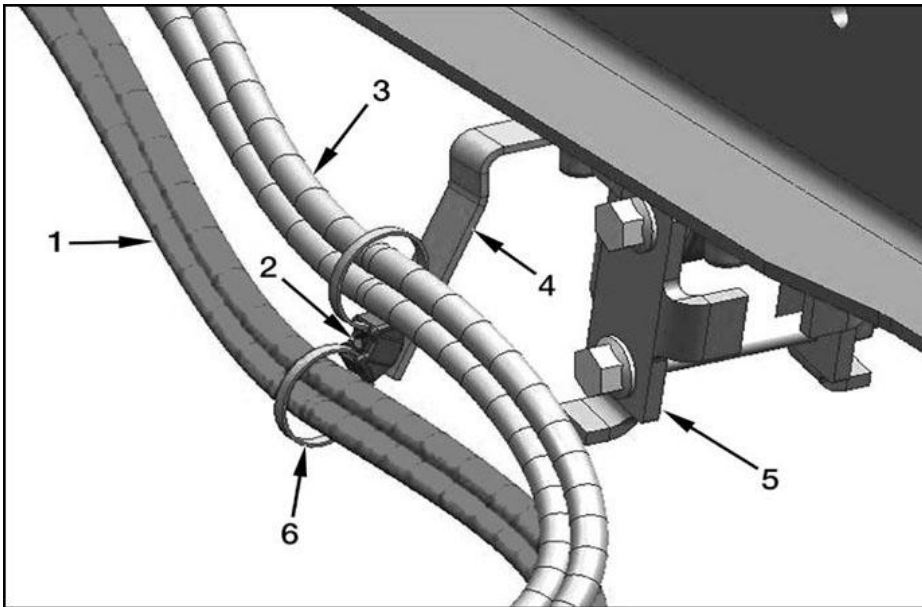
**Figure 1:** Before Repair

1. Inspect battery cables as they lead from the battery box to the starter for contact at the spring hanger or bolt step.
2. If any cable is found to be damaged, such as insulation rubbed through and down to the copper core, replace cables.
3. Inspect for cable mounting bracket (Figure 2). If bracket is installed, skip to step 7.



**Figure 2:** Harness Mounting Bracket

4. Obtain parts listed in Materials Required.
5. Install harness mounting bracket (Figure 3) on left frame rail using 5/8 x 1 1/2 in. bolt, 5/8 in. lock washer and nut. Torque bolt to 120 lb.ft.
6. Install saddle and battery cables as described in steps 7c, 7d, and 7e.
7. Route cables as shown in Figure 3 following the steps below.
  - a. Cut the cable straps securing the cables to the saddle.
  - b. Remove the 1/4 in. nut, and 1/4 x 1 1/4 in. bolt securing the saddle to the harness mounting bracket and remove saddle.
  - c. Install the saddle on the inside of the harness mounting bracket as shown in Figure 1 using the lower bolt hole.
  - d. Tighten nut to 105 lb-in (12 N·m).
  - e. Secure the cables to the saddle with new cable straps. When complete, negative cables should be on the top side of the saddle, and the positive cables should be at the bottom of the saddle (Figure 3). Repair is complete.



**Figure 3: Completed Repair**

- |                            |                             |
|----------------------------|-----------------------------|
| 1. Positive Battery Cables | 4. Harness Mounting Bracket |
| 2. Saddle                  | 5. Spring Hanger            |
| 3. Negative Battery Cables | 6. Cable Strap (2)          |

**WARRANTY INFORMATION**

Warranty claim expense is to be charged to Warranty. Claims are to be submitted in the normal manner as Warranty Code 40, Group 12654. It is important that the coding be completed properly to assist in processing the warranty claim. Complete instructions will be found in the Warranty Policy Manual, Section 7.1.8. As with all claim submission, items acquired locally must be submitted in the .Other Charges. tab. The cost of any bulk items (bag of cable tie straps, roll of wire, barrel of oil, tube of silicone, etc.) should be prorated for the cost of the individual pieces/amount used during each repair.

	GROUP	NOUN	C	WARR.	TP	PAD
GROUP _____						
NOUN _____						
C (CAUSE) Enter either 1, 2, 3. (see below)						
1. Inspected (No repair required).						
2. Inspected and repaired.						
3. Defective part from parts stock.						
WARRANTY (Warranty Code) _____						
TYPE PART Enter P for type part causing failure _____						
PAD Enter 100 _____						

Warranty Claim Information					
Group	Noun	Cause (C)	Warranty Code	Description	Time (hrs)
12654	Blank	2	40	ProStar Battery Cable Routing	As needed by SRT below

Standard Repair Time		
Operation Number	Description	Time (hrs)
A08T1	Inspect Battery Cable Routing	0.1
A08T2	Re-route battery cables	0.2

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**Feedback Information**

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