

# Lowered Spout Kit

RC0124



## Installation Instructions



7000-Series Self Propelled Forage Harvester (North America),  
Standard Body (7200-7500)

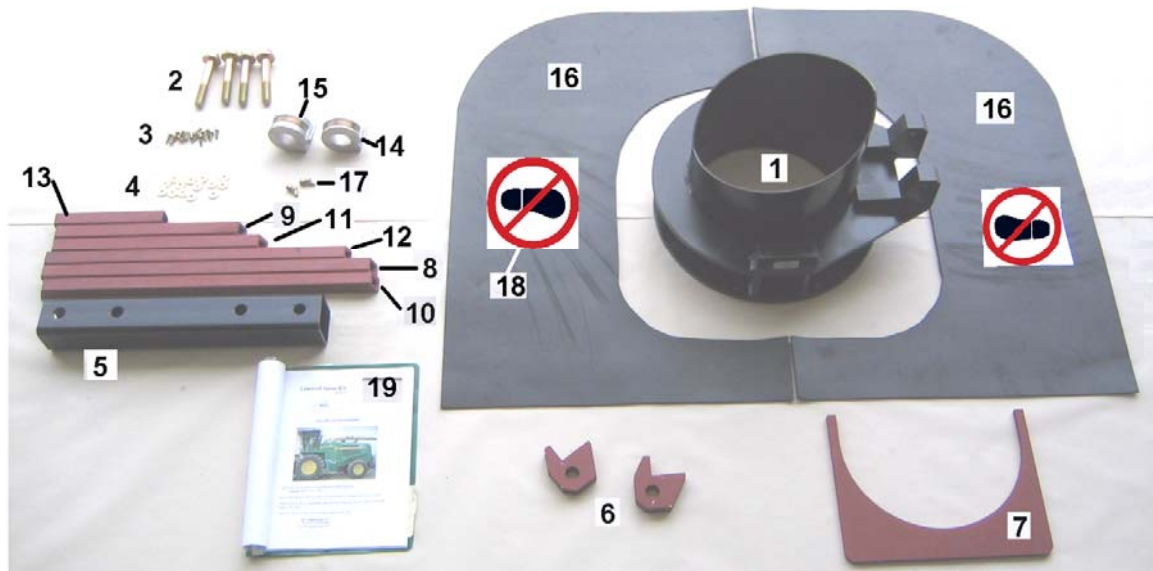
Kit to lower spout on SPFH to allow for proper filling of wagons with low roof height.

This kit is to be used in conjunction with AZ55314 Transition from 50-series to lower the height of the spout.

This kit is only to be used with the North American flat spout.

**RCI Engineering LLC**  
RC0124 (01MAY2007)  
[www.RCIEngineering.com](http://www.RCIEngineering.com)

## Contents of Bundle RC0124



Key	RCI Part Number	Part Name	Quantity
1	RC0127	Spout base	1
2	RC0128	Screw M16x100, Flange head	4
3	RC0129	Screw, Self-tapping, 1/4"	14
4	RC0130	Washer, 1/4"	14
5	RC0131	Transition Adapter	1
6	RC0132	Support for spout cylinder	2
7	RC0133	Plate for spout	1
8	RC0134	Tubing	1
9	RC0135	Tubing	1
10	RC0136	Tubing	1
11	RC0137	Tubing	1
12	RC0138	Tubing	1
13	RC0139	Tubing	1
14	RC0140	Cylinder Stop 1", 1.5" D	1
15	RC0141	Cylinder Stop 1.5", 1.5" D	1
16	RC0142	Rubber Covers	2
17	RC0143	45 deg grease fitting, M10X1.0	2
18	RC0112	Decal - NO STEP	2
19	RC0124	Installation Instructions	1

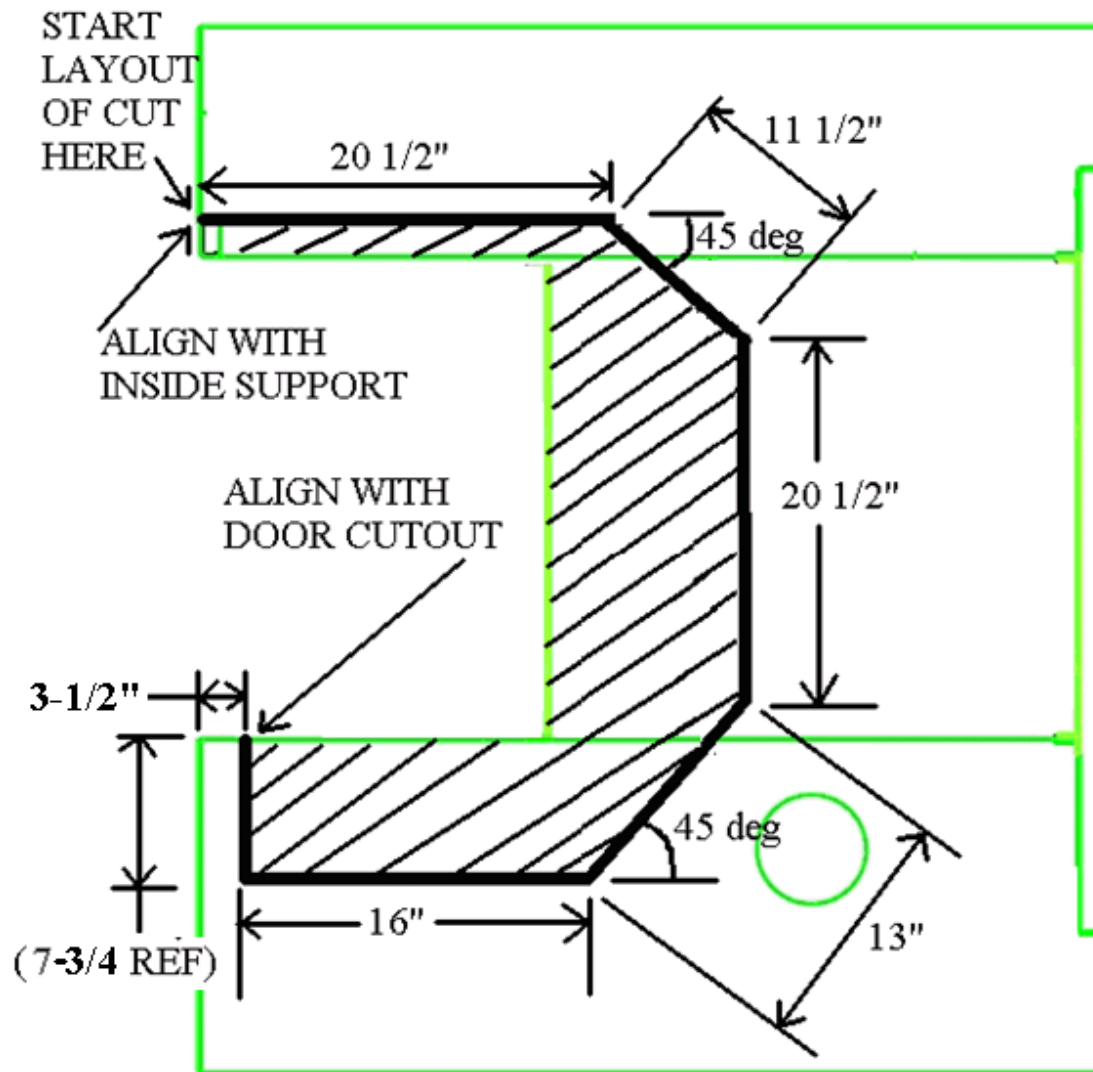
Note: For service parts, see your local John Deere dealer. Service parts are available at [www.RCIengineering.com](http://www.RCIengineering.com).

**IMPORTANT: Before opening hydraulic components, thoroughly clean surrounding area. Absolute cleanliness is a must!**

*NOTE: After installation has been completed, inspect entire system for leaks and check oil level.*

## Installation Instructions

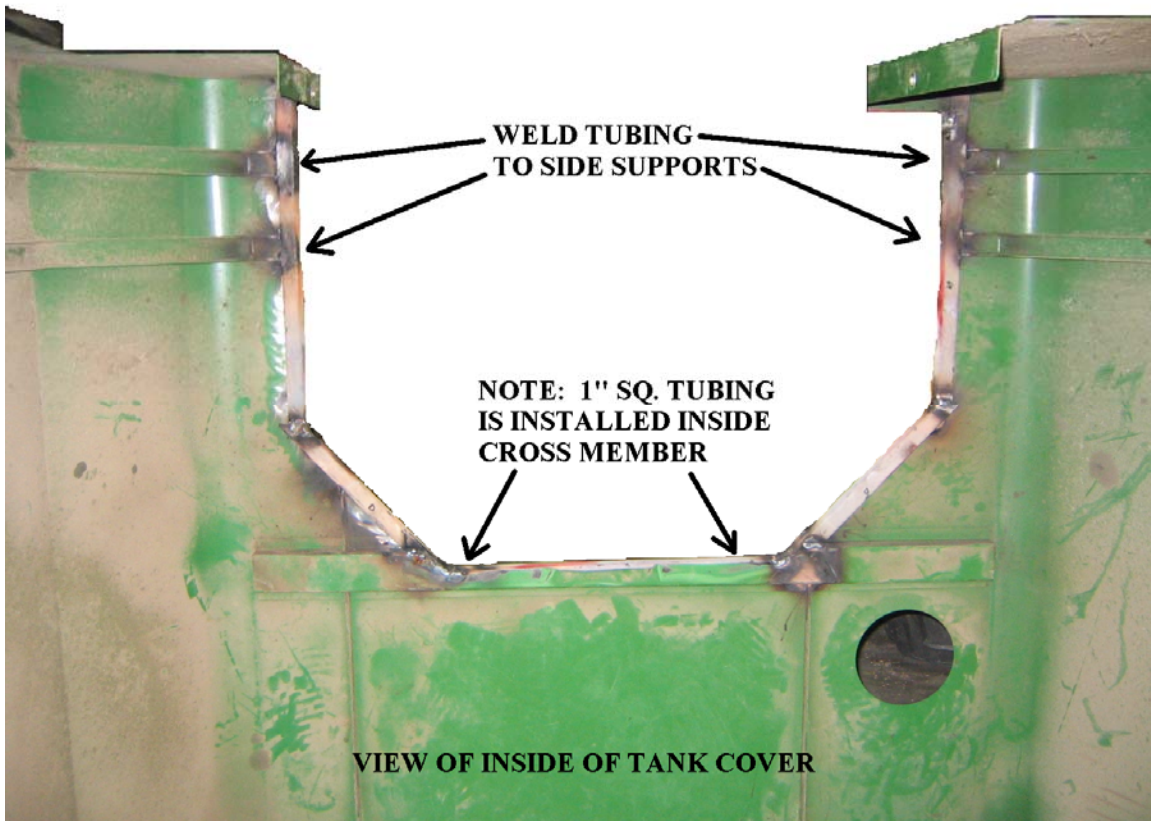
- 1/ Remove spout from machine. Remove fuel tank cover for modification.
- 2/ Remove material in area around the spout base region as shown below. Cuts to be made are shown in BLACK. Dimensions are in millimeters (inches). Remove material in shaded area. Some cuts will be made through the support tubing on bottom of hood. It may be necessary to use a reciprocating saw to cut through the material as there are supports under the sheet metal that must be cut as well.



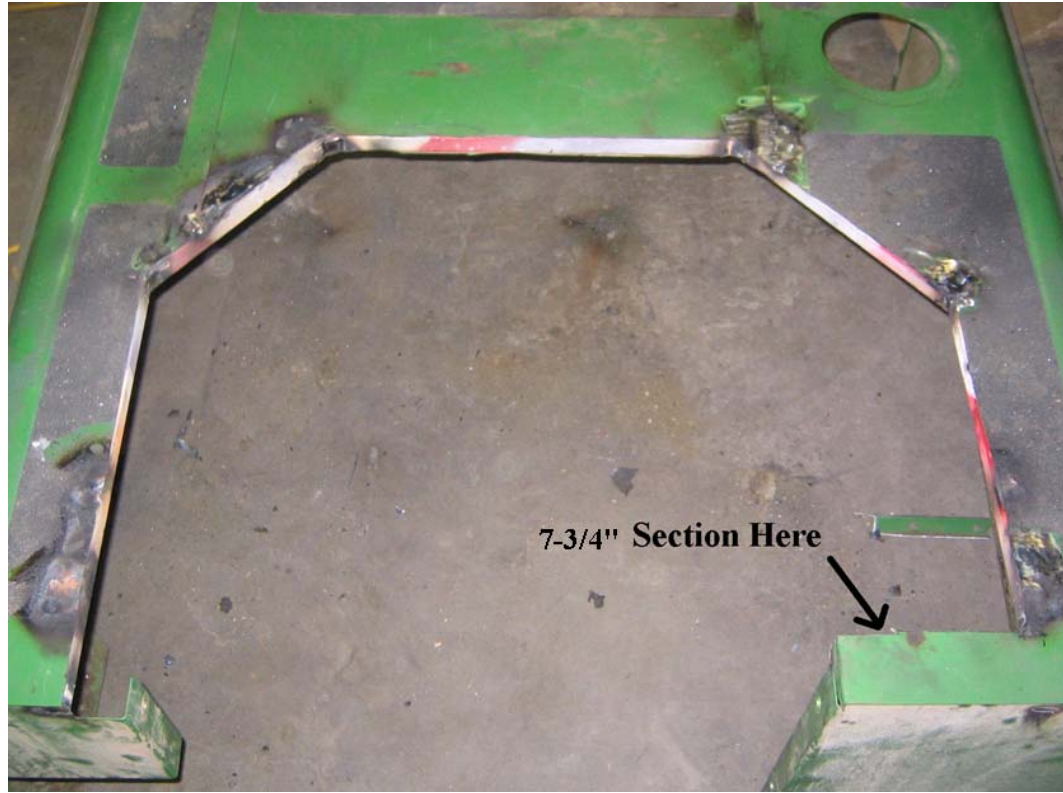
- With hood flat on floor (upside-down), cut back the supports by 1" to make room for the new 1" tubing in the kit.
- Install 1" tubing around the perimeter of the opening as shown below. Weld tubing to supports. Weld fuel tank hood to tubing in 1" weld lengths every 6" of distance. Weld the tubing together at the ends of each piece to strengthen the assembly. Weld end plates to the end of the tubing.
- Install 7" section of tubing in RH side of picture below, between the new 16" tubing and the vertical member of the tank cover that mounts to the frame behind the cab.

**Note:** The large cross member of the fuel tank cover will now be open after the cut. This area will allow the 1" tubing to fit as shown. Be sure to weld the tubing to the cross member for added support.

**Note:** Take necessary safety precautions for proper welding.



- The resulting hood will appear as shown below.



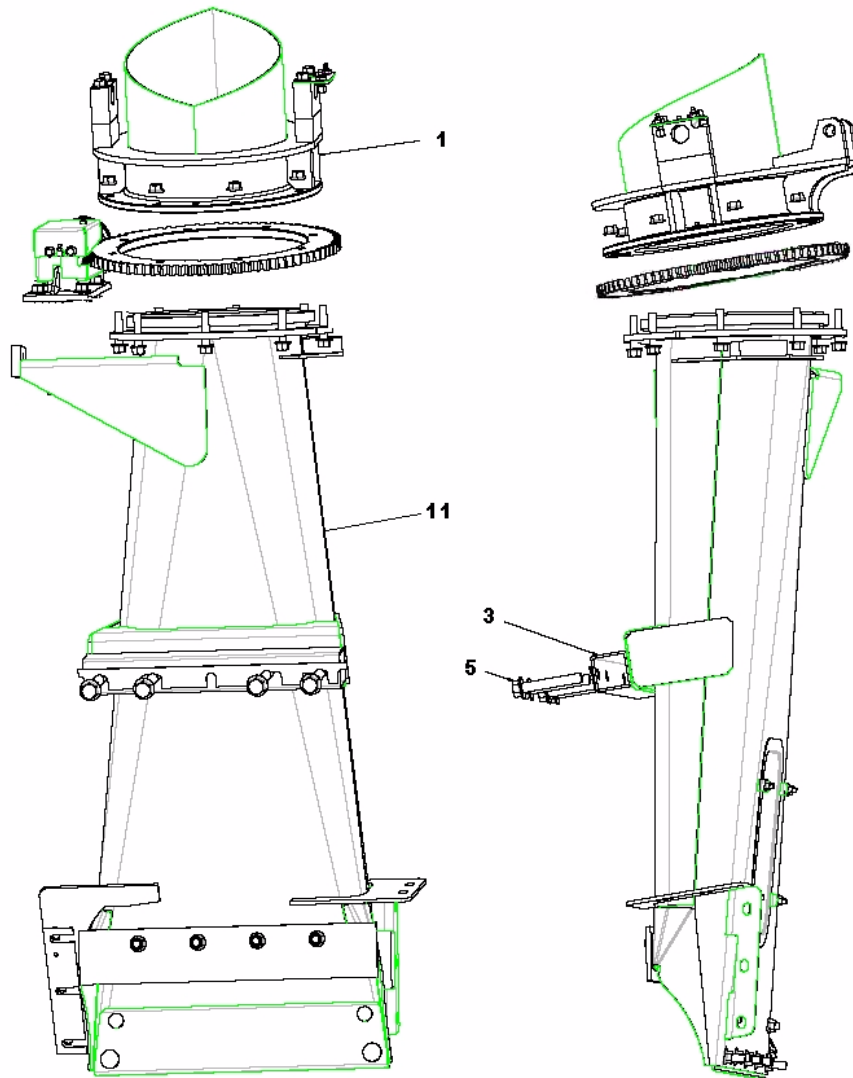
- Clean all surfaces and paint as necessary.

- 3/ **Change transition. Install AZ55314 Transition (Key 11) from 50-Series SPFH. Use RC0131 Adapter (Key 3) and RC0128 M16X100 Bolts (Key 5) to complete the installation. Tighten hardware per technical manual for bolts removed.**

**Note: Remove all shims during installation of the transition to the cab platform.**

- 4/ **Install new RC0127 Spout Base (Key 1) when completing the assembly.**

**Note: There are two grease fittings included in the kit, part number RC0143. They replace the straight manual grease fittings used on the production version of spout base. All other parts will fit the new spout base.**



**Spout Modification (Allows for proper lowering of the spout to achieve lower height)**

**Note:** For MY2005 and Newer machines with the 1100L (290 gallon) fuel tank installed, do not install the new spout cylinder ears as the cylinder will contact the fuel tank.

With this fuel tank installed, relocate the spout accumulator as shown below and reuse the existing spout cylinder ears. Take care to place appropriately so that the spout accumulator does not contact the rear of the cab during rotation.

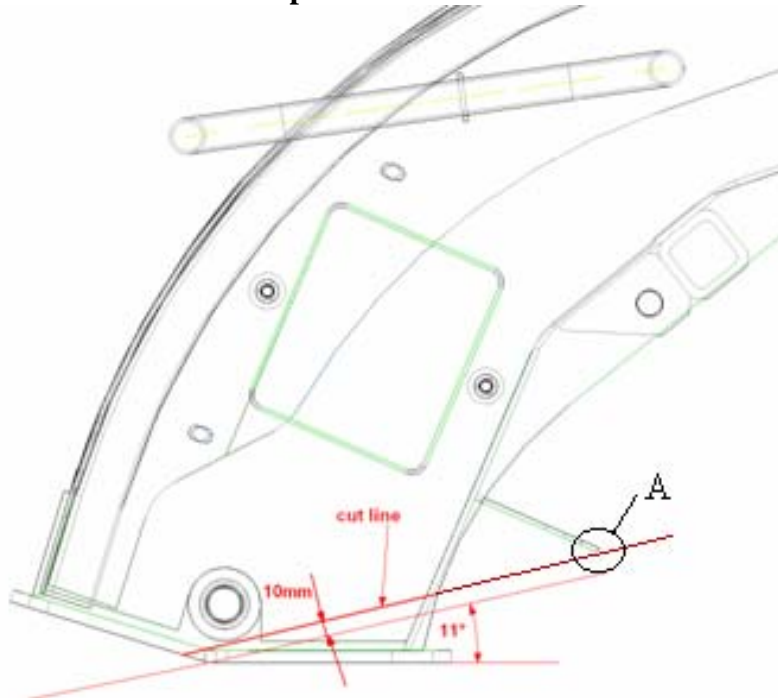
Modification to the spout bottom plate (at the pivot) is still required. Do not use the hydraulic cylinder stops in this configuration.



For all other machines, proceed as outlined on the following page.

5/ Before installing the spout, it is necessary to modify the bottom of the spout to rest lower on the new spout base.

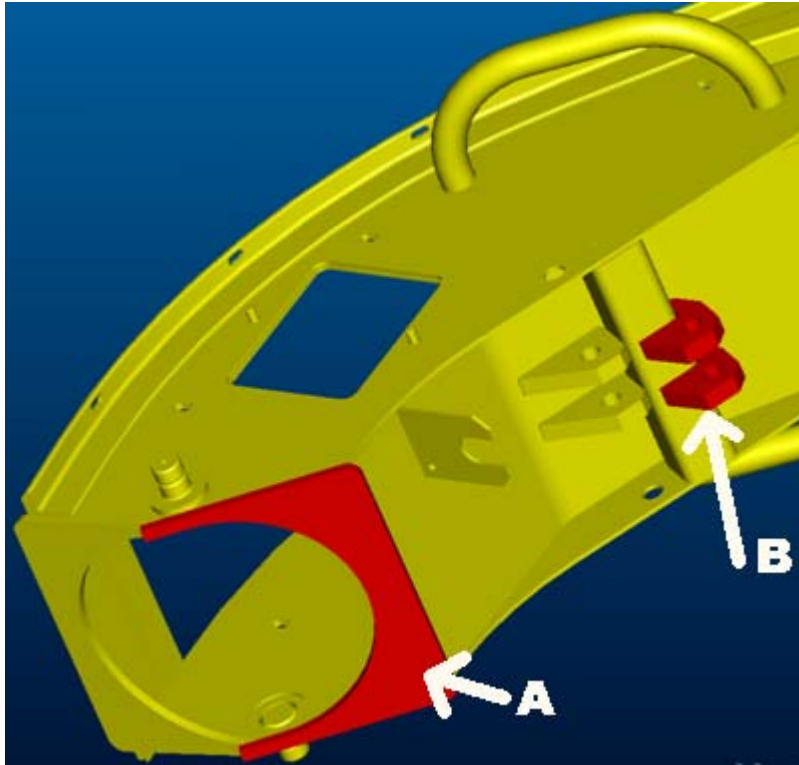
- Cut the side of the spout across to the other side as shown below.



**Note:** It is easier to make the cut by tracing a line that is flush with the boss of the pivot pin at the center, and extend it to the rear face of the spout using a straight edge. Align the straight edge with the bracket used to hold the accumulator in place on the bottom of the spout (shown in location A). See picture below.



- 6/ **Weld RC0133 Bottom Plate onto the spout as shown in red below (Item A). Weld around the perimeter of the new part to match the opposite side.**



- 7/ **Weld RC0132 ears for lift cylinder to the spout cross tube as shown above (Item B). Weld the ear to the cross tube on both sides of each ear, making sure to align the inside edges with the existing ears so the hydraulic cylinder will fit into the opening.**

**Note:** It may be beneficial to install the hydraulic cylinder pin in the ears at this point to be sure the ears are properly aligned.

- 8/ **Paint affected area to prevent rusting. Use proper procedures for painting.**
- 9/ **Install spout on new spout base. Mount hydraulic cylinder to the new ears welded to the cross tube.**
- 10/ **Install fuel tank cover on machine.**

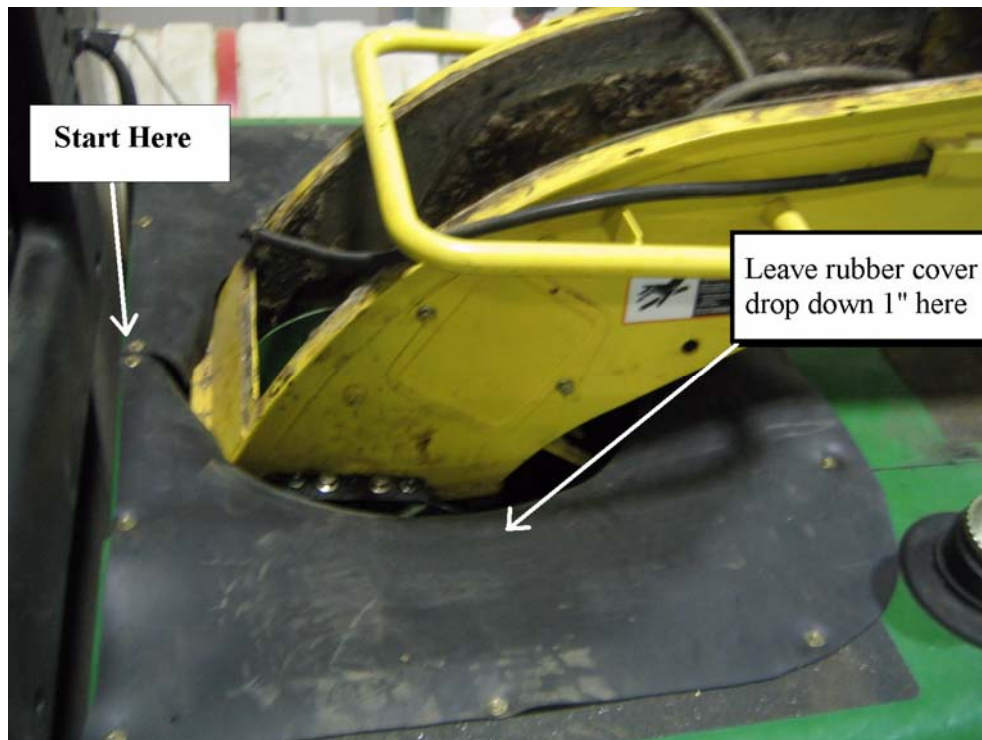
**11/ Important: Take care not to contact the fuel tank during this step.**

**Install RC0142 Rubber Covers on fuel tank by placing the cover as shown and drilling the seven holes indicated per sheet. (Hole diameter = 0.25")**

**Install RC0129 Screw and RC0130 Washer in each hole created (Qty 7). Holes should be approximately 1" from outside of rubber cover and equally spaced on sheet.**

**Repeat for opposite side.**

**Note: Start at the back of the cab and work around the perimeter to the rear of the machine. Leave a small amount of slack in the rubber cover so that the cylinder of the spout can displace the cover during rotation.**



**Note: Install “DO NOT STEP” and “RCI” Decals as shown below on each rubber cover. Always install covers with decal showing on top of machine.**



- 12/ With spout raised, install RC0140 and RC0141 Hydraulic cylinder stops. This will limit the travel of the spout cylinder by 2.5” and is critical to avoid machine interference.**



- 13/ If equipped, remove or modify the exhaust pipe extension to prevent contact with the spout during operation. This will depend on which size engine is installed.**

