



# PMR II

## PLASTIC MULCH RETRIEVER



## OPERATORS MANUAL

**ROCCA INDUSTRIES, LLC**  
P.O. BOX 926  
TIFTON, GA 31793  
229.886.1048  
[WWW.ROCCAINDUSTRIES.COM](http://WWW.ROCCAINDUSTRIES.COM)

# **INDEX**

**Safety 2**

**Setup 4**

**Operation 5**

**Maintenance 8**

# **SAFETY**

Safety is everyone's responsibility! Although safety features are incorporated into the machine and dangerous areas are marked, ultimately, careful operations is the best way to prevent an accident.

## **Operators Platform**



The operators platform was designed to keep the operator safe while the machine is in use. The operator should never lean over the platform to reach or grab anything while the machine is in use. The operator should always fasten the safety chain when on the platform. The safety pins should always be in the mounting tubes to keep the basket from bouncing out while the operator is on the platform. There should only be one operator on the platform except for training purposes.

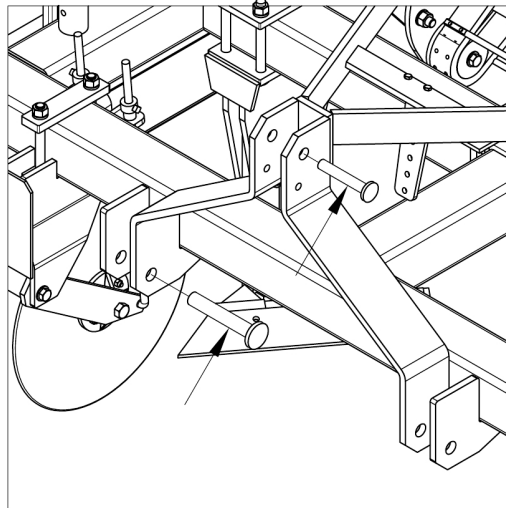
## **Swinging Spool Arms**



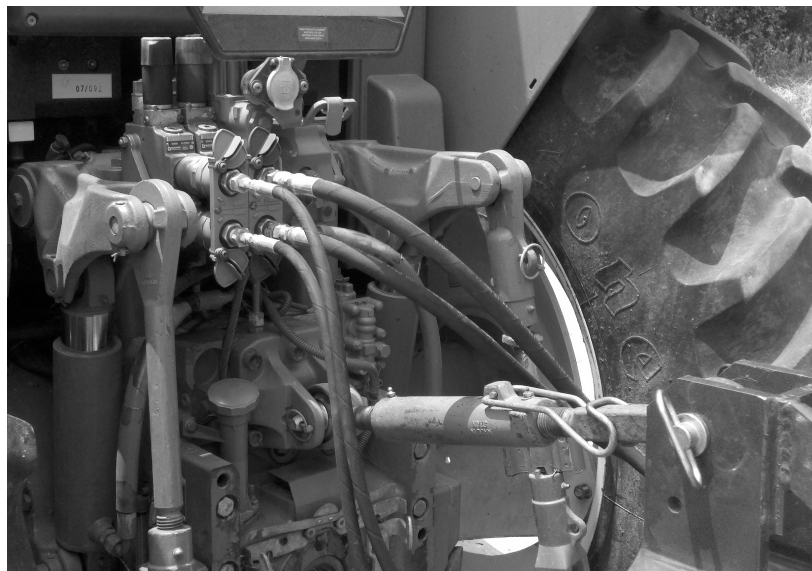
The operator should always remain on the operators platform until the swinging cone arms are completely open to prevent the operator from being struck by the swinging arm resulting in injury.

# **SETUP**

## **Attaching the PMR Machine to the Tractor**



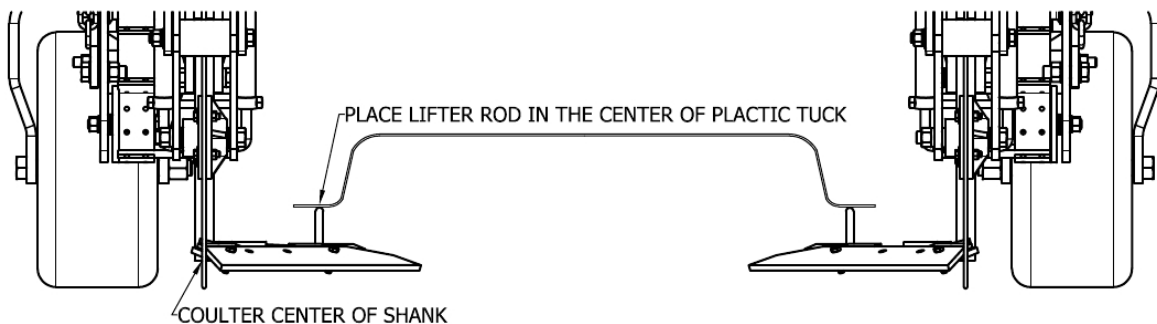
Attach the tractor lift arms and adjustable top link to the PMR machine using the supplied hitch pins and clips.



Insert the hydraulic lines into the Selective Control Valves (SCV'S) on the back of the tractor as shown in the picture above.

## **Positioning the Cutter Bar Shanks & Coulters**

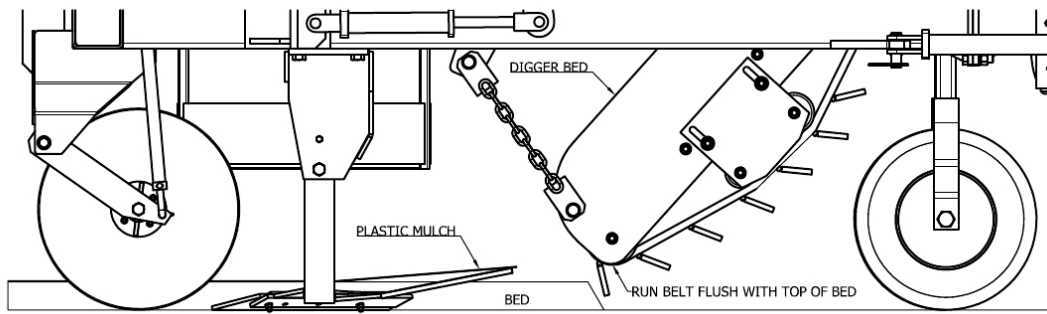
To properly set the Cutter Bar Shanks & Coulters, first center the tractor and PMR machine over one bed . Lower the machine until the cutter bar shanks and coulters are just above touching the plastic mulch. Loosen the 3/4" bolts that attach the cutter bar shanks & coulters to the main frame. Slide the Cutter Bar Shank until the lifter rod is in the center of the plastic tuck as shown in the image below. Once the cutter bar shanks are in place, slide the coulters until the cutter disc is in the center of the cutter bar shank as shown in the image below.



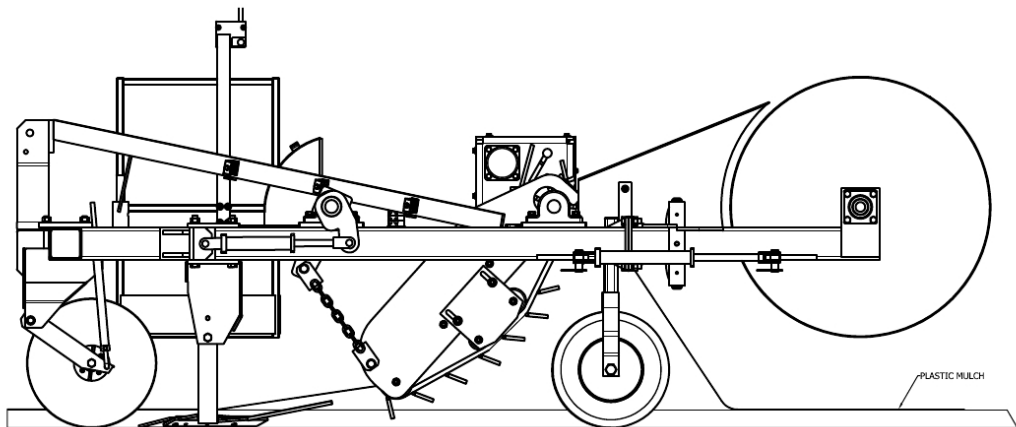
## **OPERATION**

### **Starting the Plastic up the Digger Bed**

After setting the cutter bar shanks and coulters, back the tractor back past where the bed starts and lower the PMR machine to the ground. Before starting the hydraulics, make sure that the rear spool flow control valve is "OFF" in the "0" position. Slowly drive the tractor forward until the digger bed is almost touching the plastic mulch. Using the hydraulic scv's, position the bottom of the digger bed flush with the top of the plastic mulch as shown in the image below.



Drive the tractor forward until the plastic mulch has been lifted up and over the digger bed. Continue forward until the plastic much has dropped back on the ground and is behind the back of the roller spools as shown in the image below.



Grab the plastic and tuck it under the rod wedge welded to the spool and pull it toward the center of the machine to lock the plastic into place. With the operator back on the operator platform, make sure the spool flow control valve is “OFF” in the “0” position before starting the hydraulics. Start the tractor in forward motion. The tractor ground speed and the PMR machine digger bed roller belt must be the same speed. If the two speeds are not the same the following will result. The plastic will lag behind underneath the roller belt or pull the plastic out from underneath the tractor. Both resulting in plastic tears.

## **Roller Spool Operation**

The operator in the operator platform will control the speed of the Roller Spools. The mounted flow control valve is used to control the speed off the roller spools. Facing the flow control valve, the flow is completely off when the handle is straight up. Move the flow control handle towards the right and the flow will increase making the roller spools turn faster. Move the flow control back to the left to slow down or stop the roller spools.

When rolling plastic on the roller spools, keep the plastic snug between where it comes off the digger bed roller belt and where it touches the roller cones. If the plastic is not snug and sags down toward the ground you stand a chance of the plastic wrapping back underneath the roller belt. If the plastic is tightened more than snug, the plastic will tear into, resulting in stopping and restarting the plastic on the roller spools.

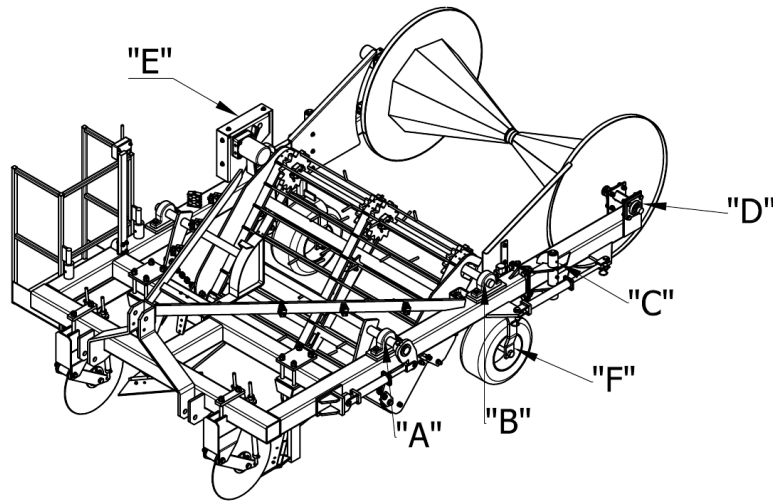
## **Removing the Full Roll of Plastic**

The platform operator should remain on the operator platform until the tractor operator has opened the roller spools. Using the hydraulic scv's on the tractor, open the roller spools to the max open position. The platform operator can then get off the platform and remove the tuck from underneath the rod wedge by pulling the plastic toward the outside of the machine.



## **MAINTENANCE**

PMR machine is to be serviced per the image and descriptions listed below.



“A”- (Digger Bed Lift Bearing) (Qty. 2) Pump 3 shots of grease daily.

“B”- (Digger Bed Roller Belt Bearing) (Qty. 2) Pump 6 shots of grease daily.

“C”- (Roller Spool Pivot Arm Bushings) (Qty. 4) Pump 2 shots of grease daily.

“D”- (Roller Spool Bearings) (Qty. 4) Pump 6 shots of grease daily.

“E”- (Roller Belt Drive Chain) Remove protective cover and check chain tension daily.

“F”- (Gauge Wheel Bearings) (Qty. 2) Pump 2 shots of grease daily.