

# Sprocket and Chain Configuration

## Changing the Chains



**1** Release the tension on the chain by moving the tension



**2** Connecting Link:  
Releases to move chains for different product and rates.  
A clip B plate C prong



**3** Gently rotate sprocket until you can see the connecting link



**4** Using needle nose pliers, pop the clip off the prong and carefully remove.



To make your chain proper length, a half length link may be required. A cotter pin secures the chain ends together



**5** Gripping with pliers remove plate, then remove prong. You can now remove the chain.

To add the new chain, reverse the process.



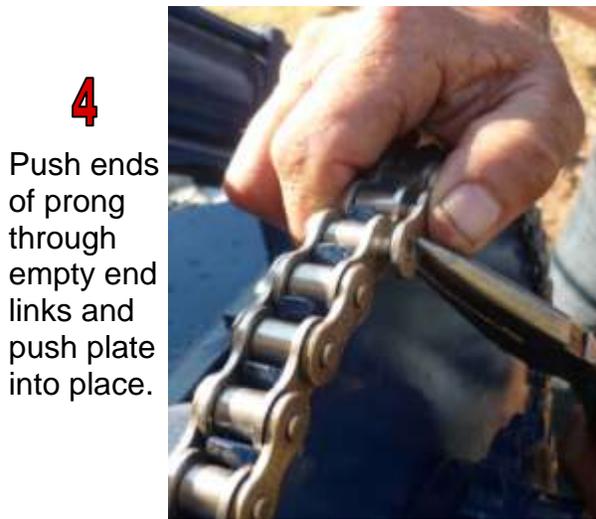
**1** Remove the chain.



**2** Put chain on correct sprockets. Shown is the lime chain.



**3** Feed prong through the empty links.



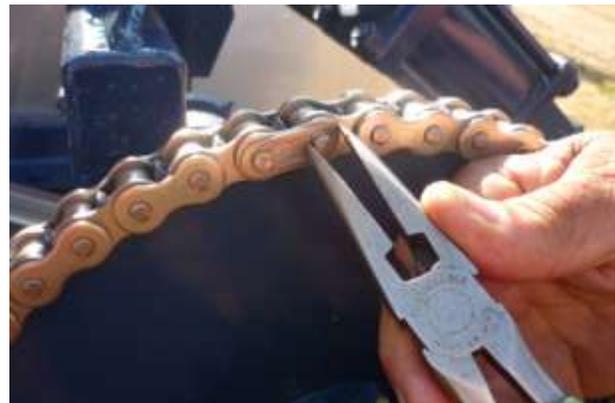
**4**  
Push ends of prong through empty end links and push plate into place.



**5** Hook clip over 1 end of prong and use pliers to snap over the other end.



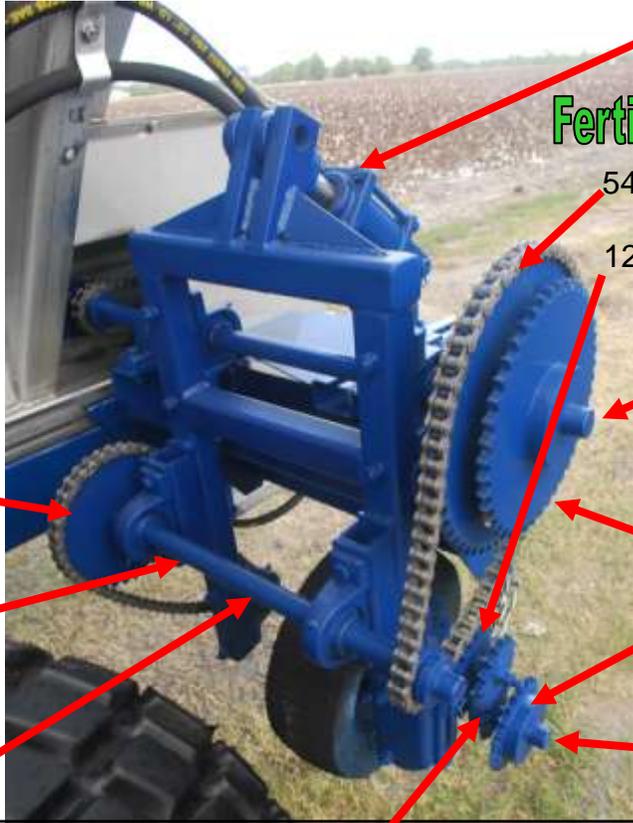
**6** Lime chain installed



# Inboard Configuration on Model 49 with Half or Third Rate Kit 16 or 24 inch bed

Sprocket Configurations are described Drive Shaft (DS) to Jack Shaft (JS)  
**Fertilizer = 12 to 54** and **Lime = 22 to 44**

Chains shown set for LOW (third rate) fertilizer



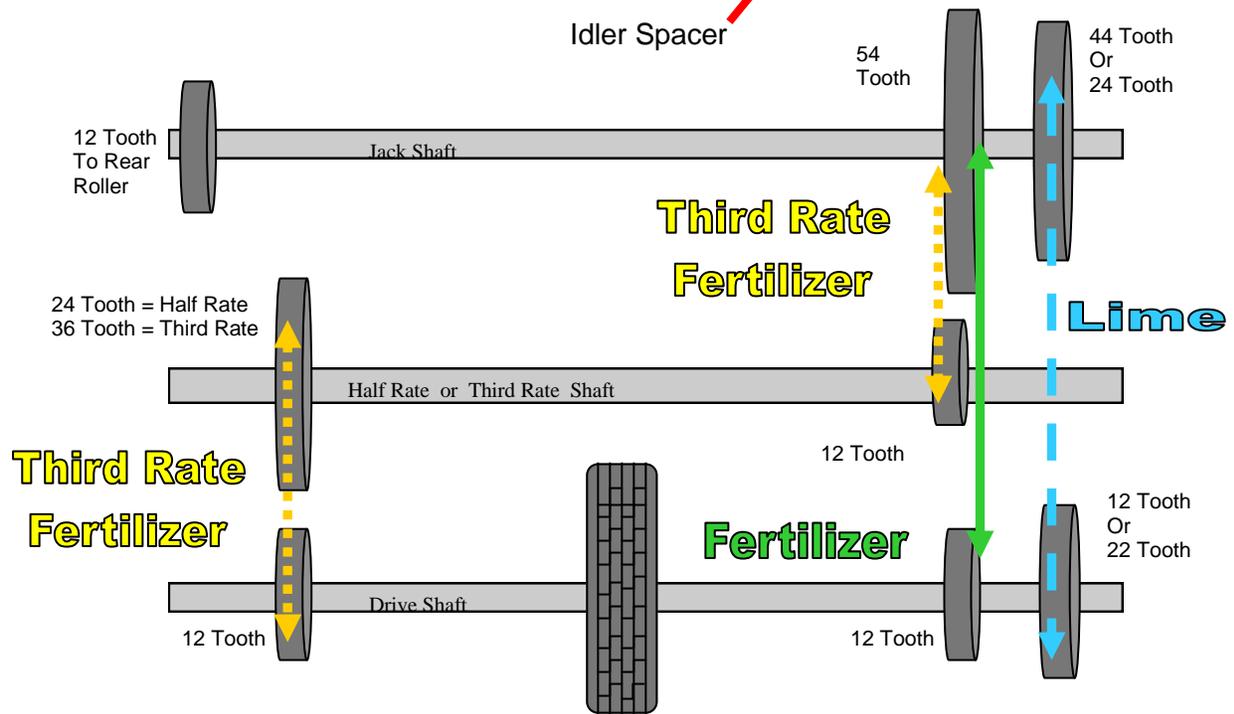
**Fertilizer - Medium Rate**

54 tooth sprocket on JS to 12 tooth sprocket on DS

**Lime - High Rate**

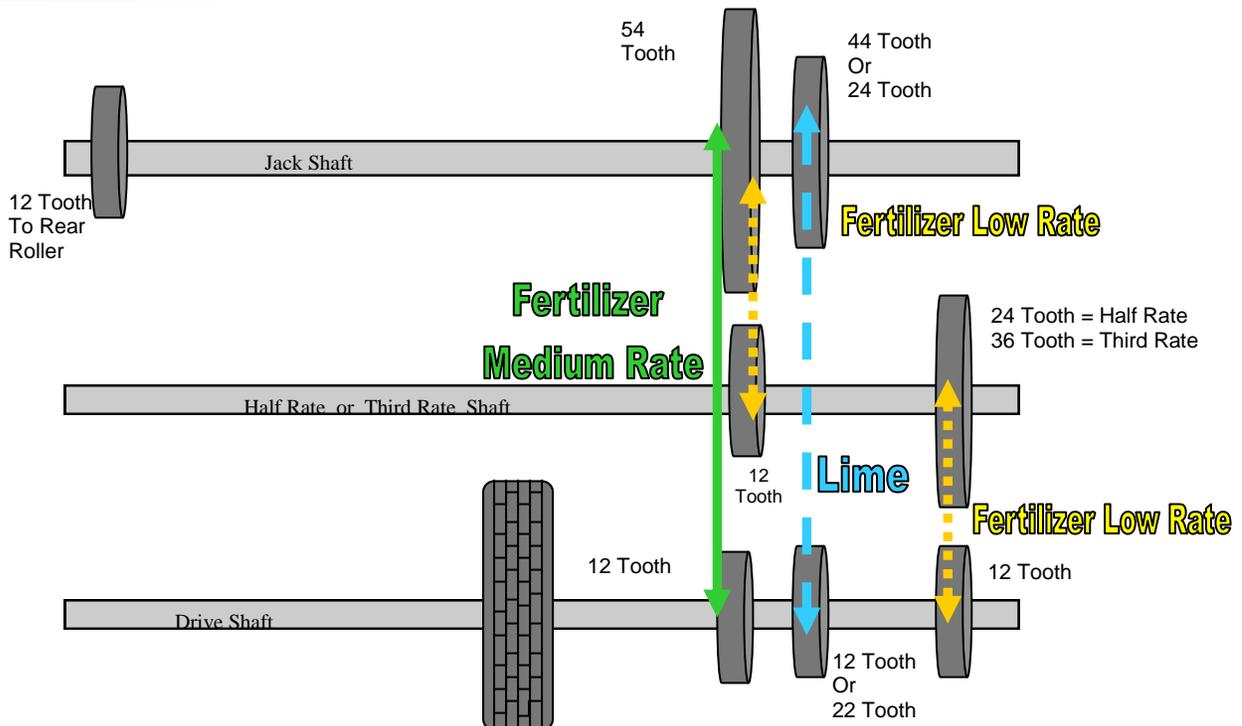
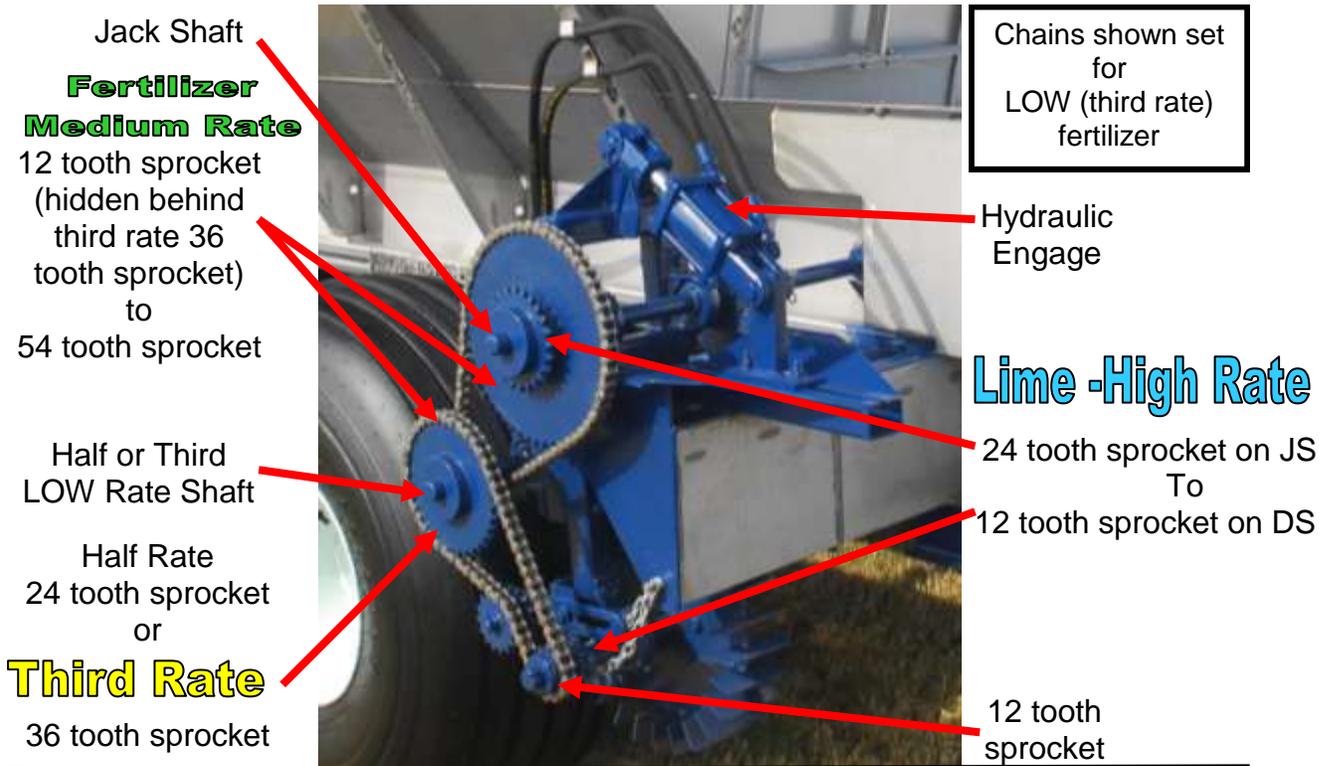
44 tooth sprocket on JS to 22 tooth sprocket on DS

Half Rate 24 tooth sprocket Or  
**Third Rate** 36 tooth sprocket  
 LOW (Half or Third Rate) Shaft  
 12 tooth sprocket



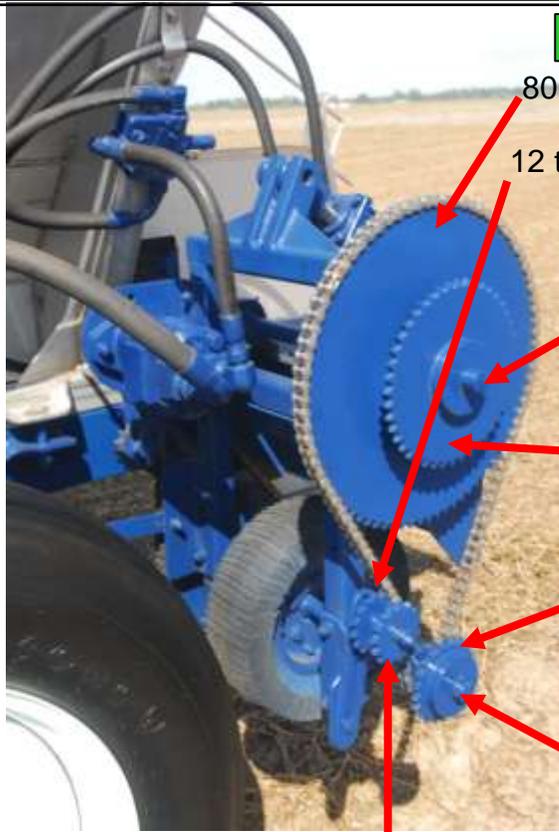
# Outboard Configuration on Model 47 with Half or Third Rate Kit 16 or 24 inch bed

Sprocket Configurations are described Drive Shaft (DS) to Jack Shaft (JS)  
**Fertilizer = 12 to 54 and Lime = 12 to 24**



# Outboard configuration for a 16 inch bed

Sprocket Configurations are described Drive Shaft (DS) to Jack Shaft (JS)  
**Fertilizer = 12 to 80** and **Lime = 12 to 24 or 22 to 44**



## Fertilizer

80 tooth sprocket on JS  
to  
12 tooth sprocket on DS

Jack Shaft

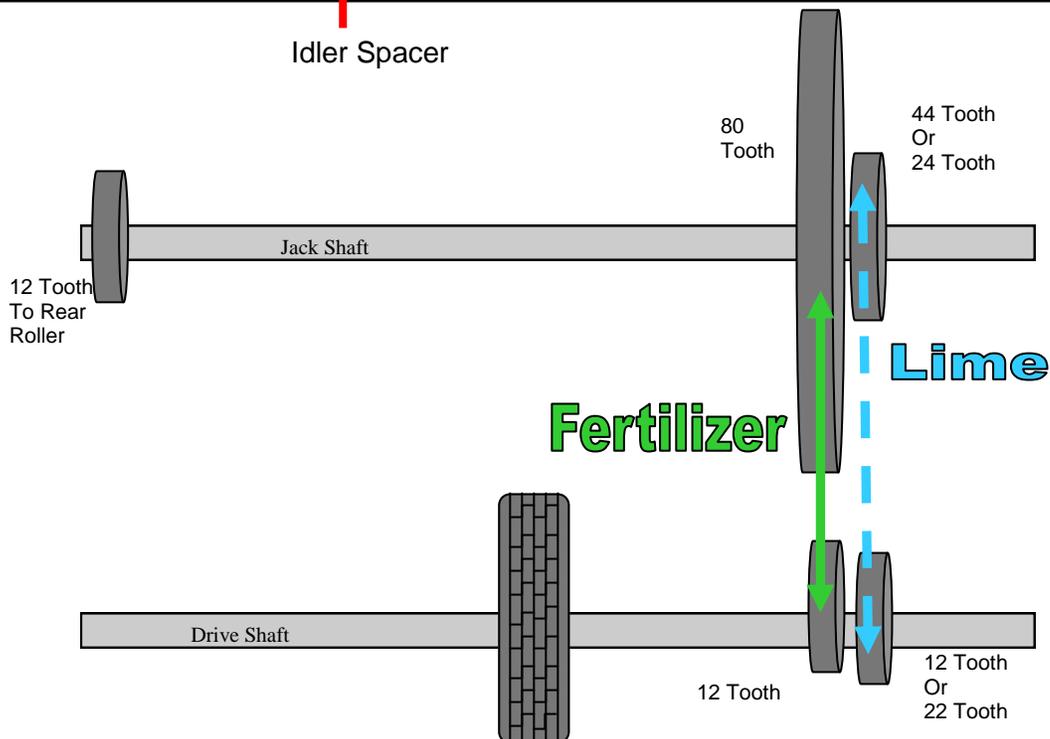
## Lime

44 tooth sprocket on JS  
to  
22 tooth sprocket on DS  
(shown)

Drive Wheel Shaft

Chains  
shown set for  
standard rate  
fertilizer

There is no  
half or third  
rate kit



**NCI keeps records for each spreader or sprayer manufactured.**

- These records are stored by serial number and will have complete information on your equipment as built.
- It will not reflect any changes made by the purchaser or other alterations.
- There may be differences in replacement part numbers due to technical improvements or changes in vendors / vendor supplies.



**Before you call NCI  
for  
technical assistance,  
know  
the serial number  
from your equipment  
located on the left  
side rail on the unit.**

**1-800-241-1350**