

How to Split a Planter 1/2 eSet and 1/2 John Deere ProMax 40 (40 hole disk)

This assumes two Variable Rate Drive Motors (1 motor driving each half)

To trick the John Deere Variable Rate Drive, **for the ProMax 40 Disk Motor**, multiply the correct Motor Sprocket number of teeth by 4 and then divide by 3.

For an 18 tooth Motor Sprocket, enter **24**. ($18 \times 4 \div 3 = 24$)

All Vacuum Planters should have 18 tooth Motor Sprockets.

As a result, the VRD motor will drive the ProMax 40 disk half of the planter 25% slower than the eSet disk half.

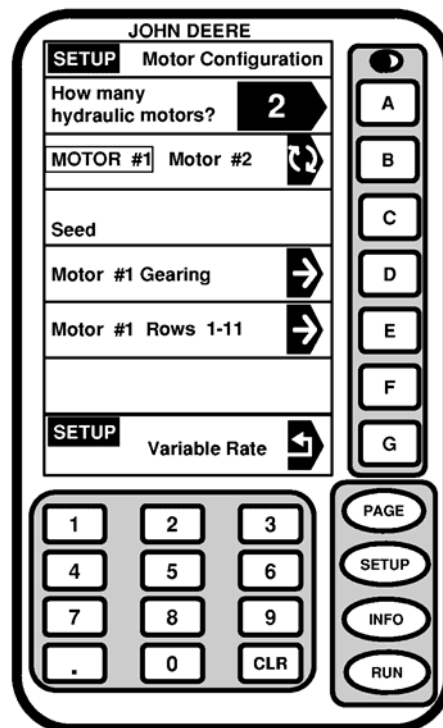
Set the disk to **Standard Corn Disk** (30 hole).

John Deere SeedStar Operator's Manual Instructions

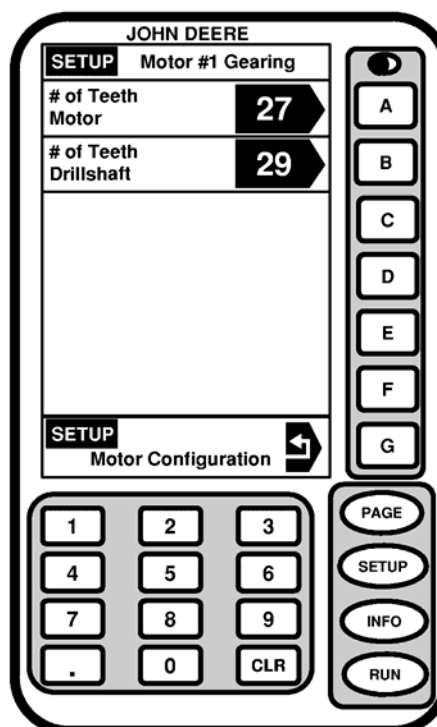
Motor Gearing

MAXEMERGE™ XP and PRO-SERIES™ XP row units require different sprocket setups.

1. Press SETUP-Planter-Planter Configuration-Variable Rate-Hydraulic Motor Configuration.
2. Press key B to select motor.
3. Press key D to select Motor Gearing.



4. Press key A and B to highlight selections and enter number of teeth with numeric keypad.



Machine	Motor Sprocket	Drillshaft Sprocket
All 1790 Machines	18	36
Cable Drive Row Units With Mechanical Meters	27	29
Cable Drive Row Units With Vacuum Meters	18	29
All Chain Drive MaxEmerge™ XP Row Units	18	29

5. Press key G to return to Motor Configuration screen and repeat steps for remaining motors.

How to Split Sugar Beets ½ eSet disk (60 hole) and ½ John Deere celled disk (45 hole)

- Set the disk to a 45 hole sugar beet disk
- To trick the John Deere Variable Rate Drive, **for the eSet Disk Motor**, multiply the correct Motor Sprocket number of teeth by 4 and then divide by 3. For an 18 tooth Motor Sprocket, enter **24**.
($18 \times 4 \div 3 = 24$)
- As a result, the VRD motor will drive the eSet sugar beet disk half of the planter 25% slower than the John Deere celled disk half.

Quick Reference Chart

	Deere holes		eSet holes	Set VRD to	Deere Motor side	eSet Motor side
Corn	40	vs.	30	30 (std corn disk)	24	18(same)
Cotton	64	vs.	60	64 (cotton disk)	18 (same)	16.875
Beets	45	vs.	60	45 (beet disk)	18(same)	24
Soybeans	108	vs.	60	108(soybean disk)	18(same)	10

Motor Gearing

MAXEMERGE™ **XP** and PRO-SERIES™ **XP** row units require different sprocket setups.

1. Press **SETUP**-Planter-Planter Configuration-Variable Rate-Hydraulic Motor Configuration.
2. Press key **B** to select motor.
3. Press key **D** to select Motor Gearing.

