



HOW TO DETERMINE WHAT GENERATION OF HEAVY DUTY SPINNER MOTOR IS ON YOUR SPREADER:

- Measure Motor Cap:
- 1 3/16" Motor Cap - Generation 1 Long Shaft; marked with extra hole where bolts hold onto motor mount (under pad)
 - 9/16" Motor Cap then remove shaft (ref K) from spinner motor
 - If the shaft has a lock nut (ref N) then it is generation 3, HM-SM150X125ABCT (Parker) or HM-SM150X125BBCT (Permco)
 - If the shaft has a snap ring then the motor is generation 2 HM -SM150X125ABC00

HM-SM150X125BBCT
Spinner Motor.
aka: 4 Bolt Motor

HM-M2640A2BF0
Spinner Motor
aka: 2 Bolt Motor



HEAVY DUTY MOTORS USED ON MODELS:

- Model 40 - High Clearance Spreader
- Model 47 - Tandem Axle Spreader
- Model 49 - Row Crop Spreader
- Model 54 - Chassis Spreader
- Requires Case Drain

HD SPINNER MOTORS, 1.25" SHAFT WITH IMPROVED LOCK NUT - GENERATION 3

Ref	Qty	Part No.	Description	Ref	Qty	Part No.	Description
A	2	HM-W0157	Shaft Bearing for HD w/ Race 1 1/4"	F	1	PM-025005DY	Spinner Motor Washer, HD
B1	1	HM-3019301	Rubber Encased Seal, Outside	G	1	BN-SSHH121	Bolt, SS 1/2" X 1"
B2	1	HM-3913384602	Spaner Nut, 1 1/4"	H	1	NC-025006A	Spinner Dish, NC Universal
B3	1	HM-OILSEALWSPRING	Oil Seal with Spring, 1 1/4"	J	1	HM-3911781141	Key .31" X .47" X 1.12"
B4	1	HM-K299547	O-Ring	K	1	HM-3031500511	Short Shaft for HD Motors, 1 1/4"
C1	1	GB-300020	Motor Cap Seal	L	1	HM-3913381007	Spacer
C2	1	NC-015092BO	Motor Cap for Short Shaft	M	1	HM-3913782289	Lock Washer
D	1	SE-17240	Seal, Spinner Hub (install flat up)	N	1	HM-3911451201	Lock Nut
D1	1	NC-015006J	Spinner Hub with Seal 1 1/4"	Entire Motor	1	HM-SM150X125BBCT	Spinner Motor, Heavy Duty, Permco Replaces Parker Motors
E	1	BN-SSSHSS381	Square Head Set Screw, SS 3/8" X 1"				

Note:

- HM-SM150X125BBCT (Permco) replace HM -SM150X125ABC00 and HM-SM150X125ABCT (Parker). All are short shaft motors with caps.
- Parts in Figure B and Ref C1, C2, D, D1, E, F, G are the same on both HM-SM150X125ABCT and HM-SM150X125BBCT
- Ref K and B2 will not interchange on HM-SM150X125ABC00
- Generation 1 Spinner Motors - 1 3/16" Motor Cap; Long Shaft; marked with extra hole where bolts hold onto motor mount (under pad).
- Generation 2 Spinner Motors - 9/16" Motor Cap; Short Shaft with snap ring.
- Generation 3 Spinner Motors (HM-SM150X125BBCT) - 9/16" Motor Cap; Short Shaft with lock nut.
- Generation 3 Spinner Motors (HM-M2640A2BF0) - 2 Bolt Up Side Down Motor requires a Universal Joint.
- Special fittings, including case drain, required.