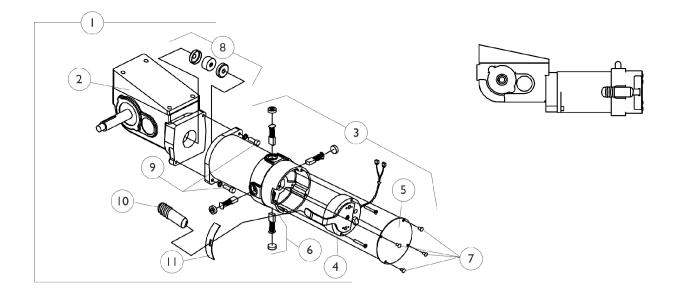
4-Pole Motors and Gearboxes Storm Arrow, Arrow H.D., ALL Torques and Ranger X

NOTE: The dates listed in the chart show that the 4-pole motor/gearbox assemblies were made available to Storm Series Models at different introductory dates.



4-Pole Motors and Gearboxes Storm Arrow, Arrow H.D., ALL Torques and Ranger X

NOTE: The dates listed in the chart show that the 4-pole motor/gearbox assemblies were made available to Storm Series Models at different introductory dates.

ltem Number	Description	After 8/31/98 Storm Arrow and Torque RWD-R MWD-L	After 8/31/98 Storm Arrow and Torque RWD-L MWD-R	After 10/22/98 Storm Arrow Heavy Duty and ALL Torque SP RWD-R MWD-L	After 10/22/98 Storm Arrow Heavy Duty and ALL Torque SP RWD-L MWD-R	After 9/14/98 Storm Ranger X RWD-R MWD-L	After 9/14/98 Storm Ranger X RWD-L MWD-R
1.	Motor						
	Gearbox Before					1085951-NLA	
	7/11/01	See Note(s) F	See Note(s) F	See Note(s) F	See Note(s) F	See Note(s) F	See Note(s) F
1.	WARR RPLMT - Motor Gearbox Before	A	1085952E-NL A	N/A	N/A	1085951E-NL A	1085952E-NL A
	7/11/01	See Note(s) I	See Note(s) J			See Note(s) I	See Note(s) J
1.	Motor Gearbox	1104823	1104824	1104825	1104826	1104823	1104824
	After 7/10/01					See Note(s) D, F	
2.	Gearbox	1086223			1086226-NLA		1086224-NLA
3.	Motor Assembly Before 7/11/01	See Note(s) C 1086581-NLA	See Note(s) C 1070291-NLA	See Note(s) C 1086581-NLA	See Note(s) C 1070291-NLA	See Note(s) C 1086581-NLA	See Note(s) C 1070291-NLA
3. See Note(s) D	Motor Assembly After 7/10/01	1104869-NLA See Note(s) E	1104870-NLA See Note(s) E	1104869-NLA See Note(s) E	1104870-NLA See Note(s) E	1104869-NLA See Note(s) E	1104870-NLA See Note(s) E
See Note(S) D	Brake						
4.	Repair	1070294-NLA	1070295-NLA	1070294-NLA	1070295-NLA	1070294-NLA	1070295-NLA
	Kit	See Note(s) H	See Note(s) H	See Note(s) H	See Note(s) H	See Note(s) H	See Note(s) H
5.	Brake Cover with Screws Before 7/11/01	1070297-NLA	1070297-NLA	1070297-NLA	1070297-NLA	1070297-NLA	1070297-NLA
5.	Brake Cover (black) with Screws After 7/10/01	1104402-NLA	1104402-NLA	1104402-NLA	1104402-NLA	1104402-NLA	1104402-NLA
6.	Brushes		1070296-NLA	1070296-NLA	1070296-NLA		1070296-NLA
	with Caps	See Note(s) G	See Note(s) G	See Note(s) G	See Note(s) G	See Note(s) G	See Note(s) G
7.	Screw (#8-32 x 1/4")	See Item 5	See Item 5	See Item 5	See Item 5	See Item 5	See Item 5

4-Pole Motors and Gearboxes Storm Arrow, Arrow H.D., ALL Torques and Ranger X

NOTE: The dates listed in the chart show that the 4-pole motor/gearbox assemblies were made available to Storm Series Models at different introductory dates.

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ltem Number	Description	After 8/31/98 Storm Arrow and Torque RWD-R MWD-L	After 8/31/98 Storm Arrow and Torque RWD-L MWD-R	After 10/22/98 Storm Arrow Heavy Duty and ALL Torque SP RWD-R MWD-L	After 10/22/98 Storm Arrow Heavy Duty and ALL Torque SP RWD-L MWD-R	After 9/14/98 Storm Ranger X RWD-R MWD-L	After 9/14/98 Storm Ranger X RWD-L MWD-R		
8.	Cup (Ĭ"	5165204-NLA	5165204-NLA	5165204-NLA	5165204-NLA	5165204-NLA	5165204-NLA		
	Diameter)	See Note(s) A	See Note(s) A	See Note(s) A	See Note(s) A	See Note(s) A	See Note(s) A		
8.	NLA - Coupling w/ Cup (1-5/16"	LA	LA	LA	50000X007-N LA	50000X007-N LA	50000X007-N LA		
	Diameter)	See Note(s) B	See Note(s) B	See Note(s) B	See Note(s) B	See Note(s) B	See Note(s) B		
9.	Screw, SHC (1/4-20 x	1043594	1043594	1043594	1043594	1043594	1043594		
	1-1/8")	See Note(s) C	See Note(s) C	See Note(s) C	See Note(s) C	See Note(s) C	See Note(s) C		
9.	Screw, SHC (M6 x 1 x	1108978	1108978	1108978	1108978	1108978	1108978		
	20MM)	See Note(s) C	See Note(s) C	See Note(s) C	See Note(s) C	See Note(s) C	See Note(s) C		
10.	Plastic Tip Before 7/11/01	1082984-NLA	1082984-NLA	1082984-NLA	1082984-NLA	1082984-NLA	1082984-NLA		
10.	Plastic Tip After 7/10/01	1101725	1101725	1101725	1101725	1101725	1101725		
11.		1082985-NLA							
 NOTE: A - Coupling with Cup for chairs manufactured before 11/12/01 - Use part # 50000X007 as a direct replacement part. B - After 11/11/01 Coupling with Cup was resized from approximately 1" to 1-5/16" diameter and can be used as a direct replacement for part number 5165204 C - When a new gearbox or mounting screws are ordered, (2 ea.) metric and (2 ea.) non-metric screws (item 9) must be ordered. Invacare Corp. utilizes alternate suppliers for this part number. D - As of 4/27/07 the 2nd and 3rd Generation Storm Series models will share this same Motor/Gearbox Assembly service part number. For 2nd Generation Storm Series, disregard the 3200 RPM and Drive/Push Decals packaged in box. E - 2nd and 3rd Generation Storm Series models share the same Motor Assembly service part number. For 2nd Generation Storm Series packaged in box. F - As of May 2008, the Metal Motor End Cap will be replaced with a Composite Motor End Cap. The change does not affect form, fit, function or aesthetics. G - Kit includes (4) Brushes, (4) Brush Caps and Instruction Sheet. H - Use existing screws when installing the Brake Repair Kit. The Motor Brake Mounting Screws are not saleable. I - Part is no longer available as a service part. See part number 1085951 as a replacement. 									