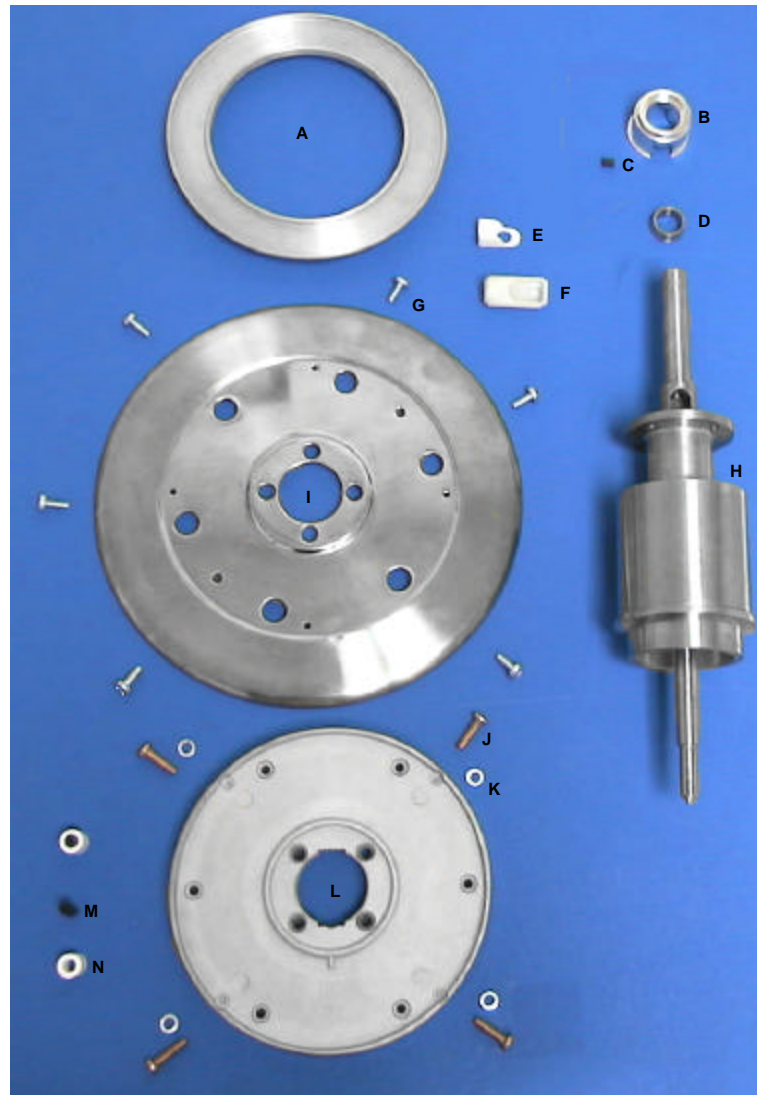


**SPINDLE REBUILD FOR VOLKMANN  
06 BA4**

- A) Balance Ring
- B) Bushing
- C) Damping Piece
- D) E15 Inner Race
- E) Deflection Ceramic
- F) Large Thread Guide Cover
- G) Screw Cross Recess Cheese Head
- H) Blade & Whorl Assembly
- I) Stainless Steel Twist Plate
- J) Torx Screw
- K) Washer
- L) Reserve Disc
- M) Damping Piece for Hourglass Ceramic
- N) Hourglass Ceramic



**DESCRIPTION OF BASIC REBUILD SERVICES:**

EE402013	Upper Spindle Refurbish: Complete Clean-Up, Grind Tip, Replace E15 Inner Race (D), Balance Ring (A), Damping Piece (M), New Hardware and Balance
	If Stainless Twist Plate, EE440186 (I) is required ...
	If Blade & Whorl, EE440292 (H); 70mm Diameter Whorl; is required...

EE402014	<b>Rebuild &amp; Resleeve Upper Spindle</b>
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**ADDITIONAL ITEMS:**

EE402099	New Bolster Only
EE440051	Lower Spindle Complete, Bolster with Brake Shoe, Pin and Washers
EE480195	New Brake Shoe Only

August 1,2003

