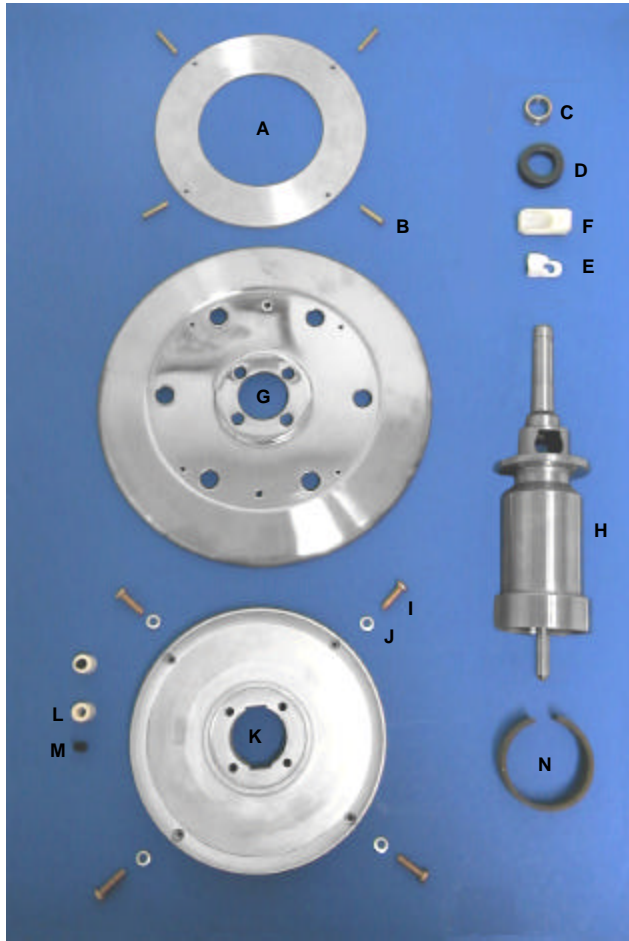


**SPINDLE REBUILD FOR VOLKMANN
06 BA3**

- A) Balance Ring
- B) Brass Rivet
- C) E15 Inner Race
- D) Seal Ring
- E) Ceramic Spindle Thread Guide
- F) Thread Guide Cover
- G) Stainless Steel Twist Plate
- H) Blade & Whorl Assembly
- I) Torx Screw
- J) Washer
- K) Reserve Disc
- L) Hourglass Ceramic
- M) Damping Piece
- N) Brake Lining



Blade & Whorl Assembly

Minimum axle length, to tip, to qualify for rebuild is 108mm

DESCRIPTION OF BASIC REBUILD SERVICES:	
EE401999	Upper Spindle Refurbish: Complete Clean-Up, Grind Tip, Replace E15 Inner Race (C), New Brake Lining (N), Balance Ring (A), Damping Piece (M), New Hardware and Balance
	If Stainless Twist Plate EE440186 (G) is required...
	If Blade & Whorl EE440286 (H); 50mm Diameter Whorl; is required ...
	If Blade & Whorl EE440287(H); 70mm Diameter Whorl; is required...

ADDITIONAL ITEMS:	
EE402158	Repair of Whorl Brake Area
EE440289	Replace Reserve Disc (K)
EE402120	New Bolster Only
EE440020	Lower Spindle Complete, Bolster with Brake Shoe, Pin and Washers
EE480069	New Brake Shoe Only

August 1, 2003

