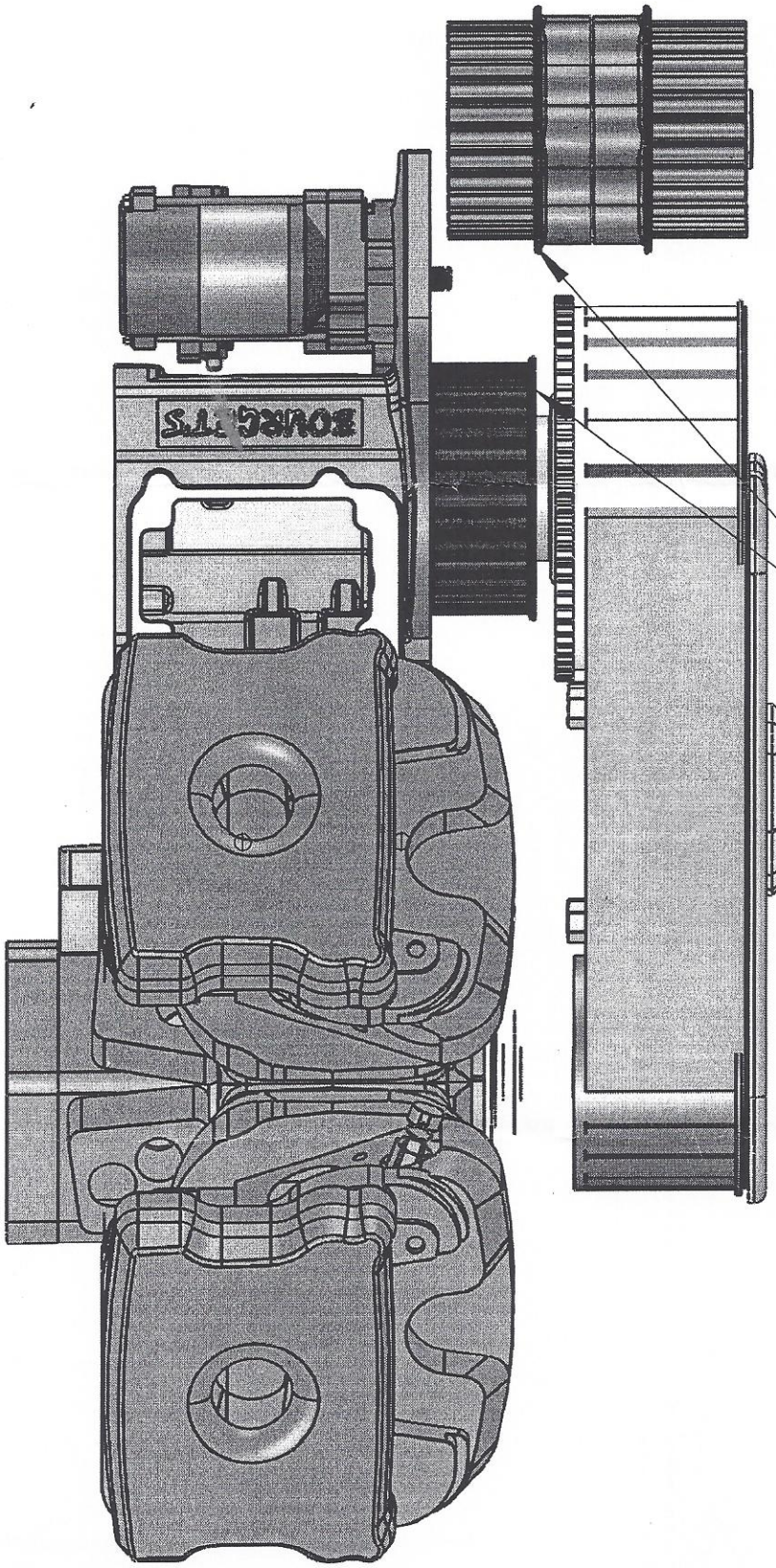


## Belt Alignment Procedure

Fat Daddy, Python, Cobra, Black Jack. Viper.

- 1) loosen transmission & engine to ensure any necessary shimming is complete before continuing with this procedure.
- 2) Remove outer & inner primary components.
- 3) Remove transmission clutch cable cover.
- 4) Remove clutch push rod.
- 5) Drill pivot or jack shaft axel center 3/8 hole 3" deep.
- 6) Replace jack shaft or belt or both.
- 7) Align jack shaft to transmission as in illustration.
- 8) Torque pivot or jack shaft axel to 85 ft. lbs. with all spacing in place.
- 9) Slide new belt adjuster over transmission main shaft.
- 10) Adjust new tool to achieve desired belt tension.
  - a. ¼ deflection under 20 lbs. pressure.
- 11) Snug down left rear transmission nut 15 ft. lbs.
- 12) Slide long end of 2<sup>nd</sup> tool into main shaft & adjustable end into pivot or jack shaft axel.
- 13) Lock down adjustable arm.
- 14) Remove tool from clutch side & slide it into main shaft an cable side.
- 15) Adjust frame transmission adjuster until tool slides into pivot or jack shaft axel.
- 16) Check both sides to make sure transmission is exactly parallel to pivot or jack shaft axel.
- 17) Loctite & torque all transmission nuts to 32 ft. lbs. one at a time.
- 18) Remove tool from main shaft & double check your alignment.
- 19) Your belt is now 100% true to your pulley's. It may rub against one of the fences but that is ok as you are now using the full integrity of the belt.
- 20) Leaving the engine loose install your inner primary & adjust your primary belt.
- 21) Loctite and torque all your primary bolts.
- 22) Now with your engine in a neutral position check for shimming & tighten all your engine mounting fasteners.
- 23) Install your clutch cable cover & exhaust.
- 24) Add transmission oil and be on your way.





Align inside of jackshaft flange to outside of tranny flange

NOTE: UNLESS OTHERWISE SPECIFIED

1. BREAK ALL SHARP EDGES .015 MAX
2. HANDLE WITH CARE, ALL MACHINED SURFACES TO BE FREE OF DENTS, DINGS, AND SCRATCHES
3.  INDICATES IN PROCESS INSPECTION DIMENSION

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	CHECKED	MARTINEZ	12/16/2010
SCALE: 1:4			
TOLERANCES UNLESS OTHERWISE SPECIFIED:			
DIMENSIONS ARE IN INCHES			
FRACTIONAL: ± 1/16			
.X ±/-.030			
.XX ±/-.010			
.XXX ±/-.005			
ANGULAR: ±/-.5 DEG			
MATERIAL		PART NO.	REV
HEAT TREAT		drop starter motor assy	
FINISH		DESC	
DO NOT SCALE DRAWING		WEIGHT:	



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