

C. Transmission: 5 speed

1. Primary gear ratio: 2.521:1

(a) Crankshaft Gear: 23 teeth, helical cut

(b) Mainshaft Gear: 58 teeth, helical cut

2. Countershaft Gear Ratio No. of Teeth

1st	8.571:1	10
2nd	5.399:1	14
3rd	3.781:1	18
4th	3.151:1	20
5th	2.634:1	22

3. Mainshaft Gear Ratio No. of Teeth

1st	3.400:1	34
2nd	2.142:1	30
3rd	1.500:1	27
4th	1.250:1	25
5th	1.045:1	23

4. Counter Sprocket: For No. 420 Chain, 14 teeth standard

NOTE: Late 1974 motorcycles have sprockets for No. 428 chain.

NOTE: 12, 13, 14, and 15 teeth counter sprockets available.

D. Clutch: 4 fiber plate, wet

1. Clutch adjuster nut must have 1/4 to 1/3 turn "out" clearance with engine warm.

2. Fiber clutch plate thickness: 3.81mm (.150) minimum  
4.191mm (.165) maximum

NOTE: Clutch and gear box hold 48 ounces (1-1/2 quarts) of 30 weight non-detergent oil.

E. Carburetor: 25mm = VHB 25 B<sub>s</sub>

1. Pilot Jet:	#55
2. Main Jet:	#92 to #95 Standard
3. Needle Jet:	#260 S
4. Needle:	E-30
5. Needle Position:	Mid-notch
6. Slide:	#7447.50
7. Choke Jet:	#70
8. Air Screw:	Out 3/4 to 1-1/2 turns
9. Float Height:	15/16" from Q <sub>L</sub> of float to gasket surface (upside down)

