

C. Transmission: 5 speed

1. Primary gear ratio: 2.2915:1
 - (a) Crankshaft Gear: 24 teeth, helical cut
 - (b) Mainshaft Gear: 55 teeth, helical cut

2.	<u>Mainshaft No. of Teeth</u>	<u>Countershaft No. of Teeth</u>	<u>Ratio</u>
1st	10	38	3.80:1
2nd	14	36	2.5714:1
3rd	18	32	1.777:1
4th	21	29	1.3809:1
5th	23	27	1.1739:1

3. Final Gear Ratio

1st	8.7077:1	4th	3.1643:1
2nd	5.8923:1	5th	2.6899:1
3rd	4.0735:1		

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

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

D. Clutch: 2 fiber plate, wet

1. Clutch arm must have 1.6mm (.062) "free" clearance with engine warm.
2. Fiber clutch plate thickness: 3.7mm (.145) minimum
4.1mm (.161) maximum

NOTE: Clutch and gear box hold 590cc (20 ounces) of 30 weight non-detergent oil.

E. Carburetor: 20mm = VM 20

1. Pilot Jet: #25
2. Main Jet: #90 Standard
3. Needle Jet: #145 0-2
4. Needle: 4DG6•
5. Needle Position: Mid-notch
6. Slide: #2.0
7. Float Needle: #1.5
8. Air Screw: Out 3/4 to 1-1/2 turns
9. Float Height: 5/8" to 11/16" from G_L of float to gasket surface (upside down)

