

3. Gear ratios and number of teeth for WIDE ratio transmissions only.

a. Main Shaft		Counter Shaft		
<u>Number of Teeth</u>		<u>Number of Teeth</u>		<u>Ratio</u>
1st	10		33	3.3000:1
2nd	13		30	2.3075:1
3rd	16		27	1.6875:1
4th	18		25	1.3888:1
5th	21		23	1.0952:1
6th	23		21	.9130:1

  

b. <u>Final Ratio</u>			
1st	15.2304:1	4th	6.4097:1
2nd	10.6498:1	5th	5.0545:1
3rd	7.7883:1	6th	4.2137:1

NOTE: To identify the close and wide ratio transmissions there are the letters "W.R." stamped next to the engine serial number on the wide ratio 6-speed engines, all other 6-speed engines with the close ratio transmissions only have the engine serial numbers.

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

1. 11, 12, 13, 14 and 15 teeth counter sprockets available

E. Clutch: 5 fiber plate, wet

1. Clutch adjuster nut must have 1/4 to 1/3 turn "out" clearance with the engine warm.
2. Fiber clutch plate Thickness: 2.870mm (.119) minimum  
3.251mm (.128) maximum

NOTE: Clutch and gear box hold 26 oz. of 30 wt. non-detergent oil.

F. Carburetor: 19.19mm = SHB 19.19D

1. Main Jet #102
2. Mid-range jet #40
3. Choke jet #60
4. Slide 7938 3
5. Air Screw Out 3/4 to 1-1/2 turns

