

B. Ignition System: 110mm diameter flywheel magneto

1. Lighting Coil: 33 watt- 6 volt, split coil
2. Ignition Timing: 2.8mm (.110) Before T.D.C.
  - a. Point Gap: .356mm (.014) to .406mm (.016) at T.D.C.

C. Transmission: 4-speed

1. Primary gear ratio: 4.6153:1
  - a. Crankshaft gear: 13 teeth, helical cut
  - b. Mainshaft gear: 60 teeth, helical cut
2. Gear ratios and number of teeth for transmission

a.	<u>Main Shaft No. of Teeth</u>	<u>Counter Shaft No. of Teeth</u>	<u>Ratio</u>
1st	10	33	3.3000:1
2nd	14	29	2.0714:1
3rd	18	26	1.4444:1
4th	20	23	1.1500:1

b.	<u>Final Ratio</u>
1st	15.2304:1
2nd	9.5601:1
3rd	6.6663:1
4th	5.3075:1

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 18 to 20 ounces of 30 weight non-detergent oil.

