

SERVICE BULLETIN

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1967 SPRINT OPTIONAL GEARING AND IGNITION TIMING RECOMMENDATIONS

This bulletin contains engine timing and gearing information for the 1967 Sprint model.

All factory shipments are made with 41° (advanced position) ignition timing and 15T./38T. transmission and rear wheel sprockets for operation with premium grade, 100 octane gasoline.

Some cases have been reported where engine power is unsatisfactory, particularly under sustained high speed conditions. Since this is typically caused by overheating and detonation, a change in ignition timing and lower gearing will usually remedy this trouble if engine is otherwise in good condition.

In such cases we recommend changing ignition timing to 35° (advanced position), and transmission and rear wheel sprockets to 17 tooth, part No. 35201-61P, and 46 tooth, part No. 41475-61PA. A longer (110 pitch) chain, part No. 40004-61A is also needed.

<u>ITEM</u>	<u>STANDARD</u>	<u>OPTIONAL</u>
Ignition Timing (Advanced Position)	(41°) 13/32 in. BTC	(35°) 1/4 in. BTC
Rear Chain	(106 P.)	(110 P.) 40004-61A
Transmission Sprocket	(15 T.) 35202-61P	(17 T.) 35201-61P
Rear Wheel Sprocket	(38 T.) 41471-61P	(46 T.) 41475-61PA
<u>Gear Ratios:</u>		
1st	18.44	19.69
2nd	11.15	11.91
3rd	8.09	8.64
4th	6.33	6.76

Note: Only 110 P. chain will be supplied under Part No. 40004-61A.

You will note that the advance position timing specification above is given for the reason that good engine performance requires correct spark advance at the higher speeds — therefore the timing should be set with the cam fully advanced.