



SERVICE NEWS

AIRCOOLED MOTORS INC.
SYRACUSE 6, NEW YORK

DATE: 6/24/49
Revised 4/15/57

NO. N-3

SUBJECT: CRANKSHAFT AND CAMSHAFT GEAR TIMING MARKS

In the event difficulty is experienced in locating the timing marks on the crankshaft and camshaft gears their location can be established as follows:

Model 6A4-150, 6A4-165, 6V4-178, 6V4-200 and 6V-335 Engines

Crankshaft Gear: The crankshaft gear must be assembled to the crankshaft with the keyway, which is marked with a zero (0), closest to #1 crankpin of the crankshaft, see Figure 1.

With the crankshaft gear properly installed, the "0" timing mark at the $86\frac{1}{2}$ degree location will be located to the left of the marked keyway.

Camshaft Gear: The timing marks are located 135 degrees to the right of a center line drawn through the center of the keyway to the outer edge of the gear as shown in Figure 1.

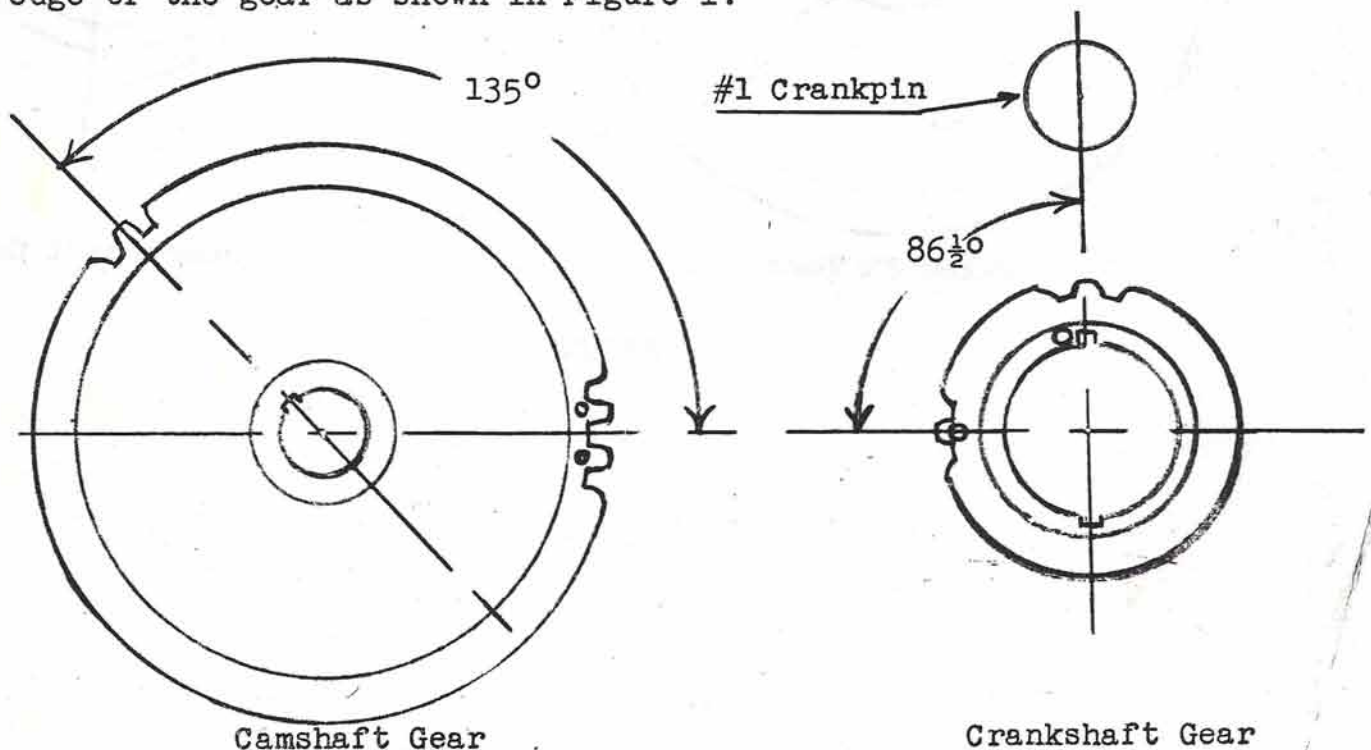


FIGURE I

Model 6A8-215-B8F and B9F Engines

Crankshaft Gear: The crankshaft gear is installed on the crankshaft with the flanged side of the gear away from the shaft. With the gear properly installed, the "0" timing mark at the $82^{\circ} - 15'$ location will be located to the left of the keyway which aligns with No. 1 crankpin as shown in Figure 2.

Camshaft Gear: The timing marks are located $134^{\circ} - 45'$ to $135^{\circ} - 15'$ to the right of the centerline drawn through the center of the keyway to the outer edge of the gear as shown in Figure 2.

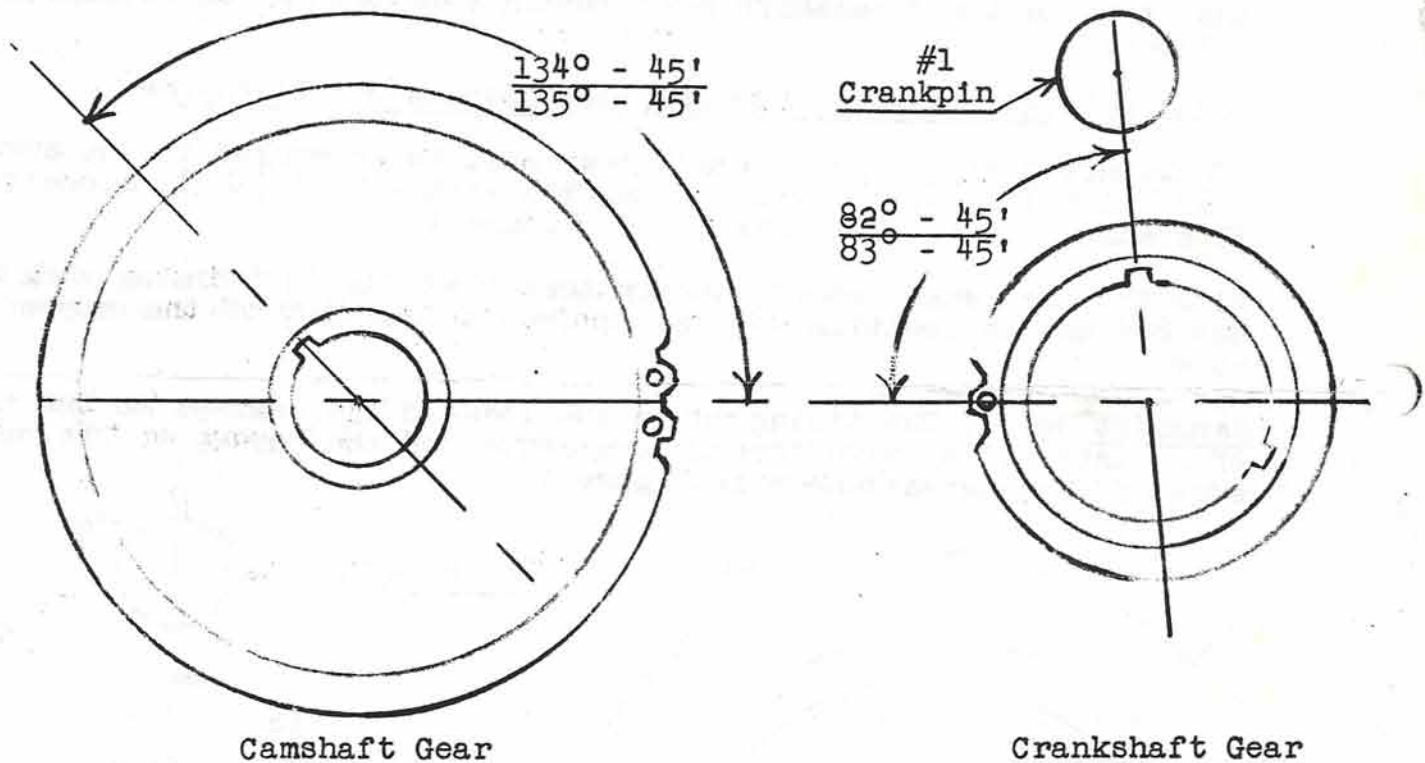


FIGURE 2.