

6. Remove the cap screws from the front cover, and remove the cover and gasket. Clean the gasket mating areas to insure proper sealing when re-assembled.

**NOTE:** Before removing any gears it is advisable to check the backlash of the gears to determine which, if any, require service. Check the backlash with a dial indicator or feeler gauges. The specified backlash is .003 to .006 inch.

7. Remove the idler gear shaft bolt and remove the idler gear.

8. Remove the crankshaft gear with a puller.

9. Using a puller, remove the camshaft gear.

10. Remove the ignition drive seal.

## Inspection and Repair

1. Clean all parts thoroughly in a cleaning solvent and dry with compressed air.

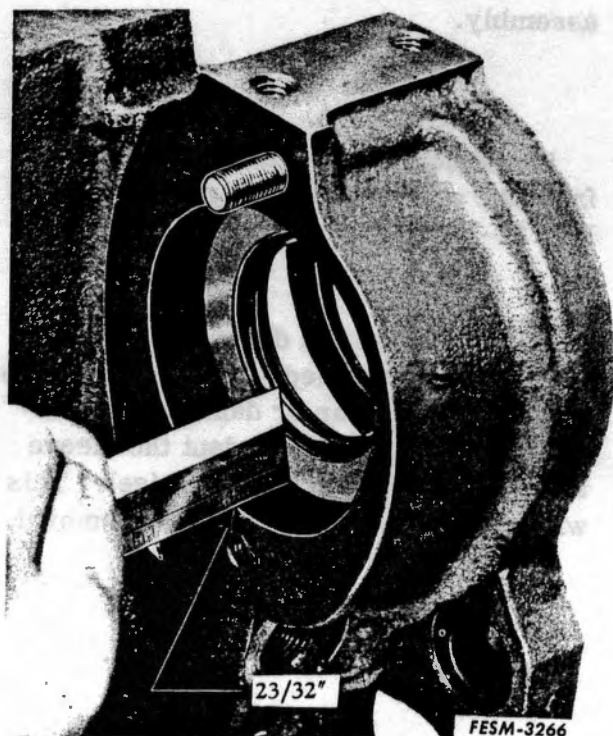
2. Remove all gasket material from the crankcase and front cover with a putty knife so that a clean surface can be had when the new gaskets are installed.

3. Inspect all gears for excessive wear, chipping or cracks.

4. Inspect all keys and keyways for wear or damage and replace as necessary.

5. Be sure to install a new front cover oil seal and gasket.

## Reassembly and Installation



1. Install a new ignition drive oil seal in the crankcase. The seal must be square in its bore and positioned 23/32 inch from the ignition mounting flange face.

2. Install the key in the camshaft if it was removed. Heat the camshaft gear in boiling water. Install the camshaft gear on the shaft with the timing marks facing out.