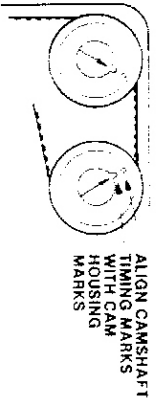


# FLI/A/T TIMING BELT REPLACEMENT HELPER 2000cc Engine

## CHECK CAM TIMING

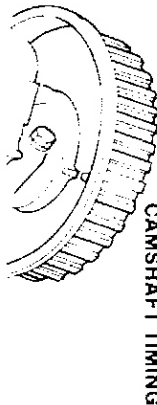


PULLEY TIMING MARK IS AT 0° BTDC



- Check every 30,000 mi. Change if worn or loose.
- Turn engine to align camshaft timing marks with pointer on cam housing.
- Check that crank pulley notch aligns with 0° mark on cover. If not, install a new timing belt. Engine is now set to fire on no. 4 cylinder.

## PREPARE ENGINE



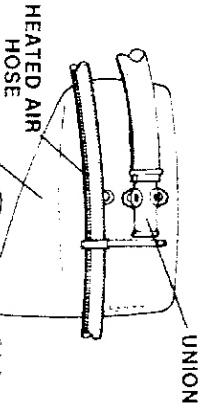
CAMSHAFT TIMING COVER



CRANKSHAFT TIMING COVER

- Disconnect battery ground cable.
- Remove spark plugs.
- Set up crankshaft and camshaft timing marks to prepare for timing belt removal. Put car in gear and apply hand brake.
- **Caution:** Timing belts can not be re-used once tension is relieved. Replace timing belt. Do not attempt to take up slackness by means of the tensioner.

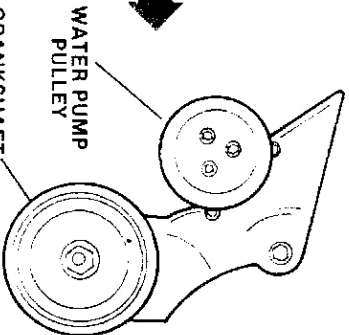
## REMOVE COVER



TIMING BELT COVER

- Remove heated air hose.
- Remove all drive belts from crankshaft pulley.
- Partially drain cooling system.
- Remove upper radiator hose from union.
- Remove union from cylinder head.
- Remove timing belt cover.

## REMOVE PULLEYS

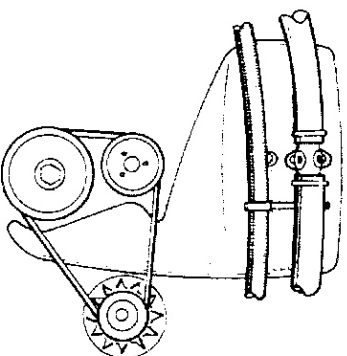


WATER PUMP PULLEY

CRANKSHAFT PULLEY

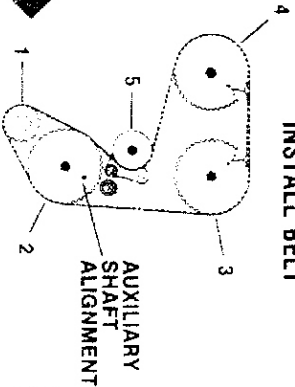
- Remove water pump pulley.
- Remove crankshaft pulley.
- Remove metal timing cover.

## INSTALL COVER



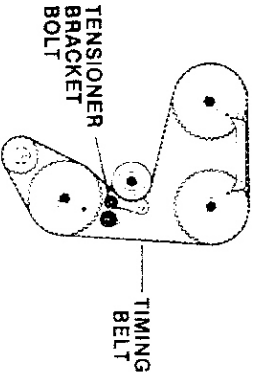
- Install all parts in reverse order of removal.
- Coat crankshaft pulley ID with anti-seize compound before installing.
- Tighten 38mm crankshaft pulley nut to 87 ft.-lb. (12kgm).
- Fill and bleed cooling system.

## INSTALL BELT



- Double check sprocket alignment then:
- Install belt on drive sprocket. (1)
- Fix belt to slots of accessory drive sprocket both sides. (2)
- Keeping slack out of belt, fix to Intake Camshaft sprocket. (3)
- Continue with belt to exhaust camshaft sprocket. (4)
- Slide belt over tensioner pulley (5) last
- **Caution:** Belt should fit easily. Do not pry or kink belt.

## REMOVE BELT



- Loosen tensioner bracket bolt.
- Move pulley to release belt tension.
- Re-tighten bolt to hold pulley in belt slackened position.
- Remove timing belt.
- Mark belt as "NOT REUSEABLE".
- Inspect and clean sprocket teeth.
- Check belt tensioner bearing for proper play and rotation.
- **Caution:** When timing belts removed do not turn camshaft independent of engine. Valves may be damaged.