

# 2000 Ford ESCORT

Submodel: ZX2 S/R | Engine Type: L4 | Liters: 2.0  
Fuel Delivery: FI | Fuel: GAS

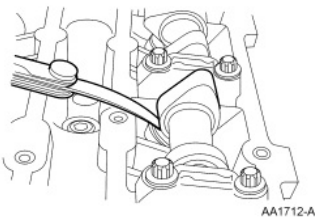
SECTION 303-01B: Engine — 2.0L Zetec  
IN-VEHICLE REPAIR

2000 Escort Workshop Manual  
[Procedure revision date: 08/04/1999](#)

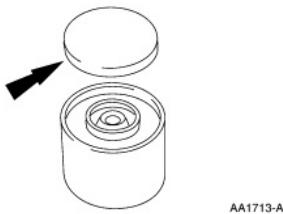
## Valve — Valve Clearance, Adjust

### Removal

1. Remove the valve cover (6582). For additional information, refer to Valve Cover in this section.
2. Remove the timing belt. For additional information, refer to Timing Drive Components — Timing Belt in this section.
3. **NOTE:** Measure each valve's clearance at base circle before removing the camshafts (6250). The shims are not serviceable with the camshafts in place. Failure to measure all clearances prior to removing the camshafts will necessitate repeated removal and installation and wasted labor time.  
Use a feeler gauge to measure each valve's clearance and record its location.



4. Remove the camshafts. For additional information, refer to Camshaft in this section.
5. Remove the shims.



6. **NOTE:** The shims are marked for thickness; example: 2.22 mm = 222 on shim.  
**NOTE:** The corrected shims allow the following valve clearances.

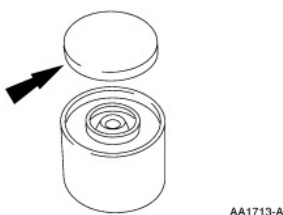
- intake valve clearance: 0.11-0.18 mm (0.0043-0.0071 inch)
- exhaust valve clearance: 0.27-0.34 mm (0.0106-0.0134 inch)

**NOTE:** A midrange clearance is the most desirable:

- intake: 0.15 mm (0.006 inch)
- exhaust: 0.3 mm (0.012 inch)

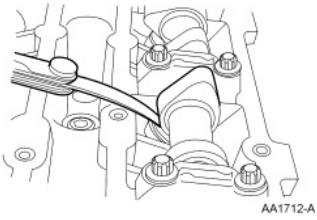
**NOTE:** Select shims using this formula: shim thickness = measured clearance plus the base shim thickness minus most desirable thickness.  
Select shims and mark installation location.

7. Replace the shims.



### Installation

1. Install the camshaft. For additional information, refer to Camshaft in this section.
2. Measure new valve clearances.



3. Adjust the timing of the engine. For additional information, refer to Timing Drive Components — Timing Adjust in this section.
  4. Install the timing belt covers. For additional information, refer to Timing Drive Components — Timing Belt Covers in this section.
  5. Install the valve cover. For additional information, refer to Valve Cover in this section.
-