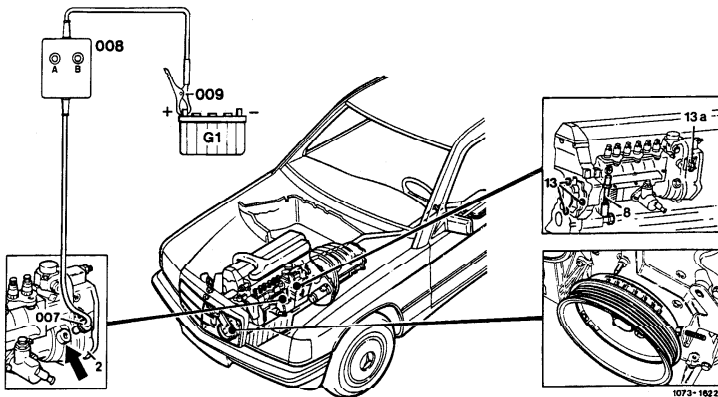


⚠ WARNING!

Apply parking brake before performing any work with engine running.
Place transmission selector lever in Park position.

Adjusting injection timing (position sensor RIV method) - after checking (0760)



- | | |
|---|--|
| Turn crankshaft in direction of rotation to | 14° + 0.5° ATDC. |
| Injection pump mounting bolts (13 and 13A) at flange and bracket | loosen, tighten to 20-25 Nm. |
| Indicator (008) and clamp (009) | connect to B +. |
| Pivot injection pump by turning injection timing adjustment screw (8) | both lamps, A and B, must light up in indicator (008). |
- Adjustment screw direction
- | | | |
|-------|----------------------------|---|
| Right | = Retard injection timing | RI (reference impulse) adjusting value: |
| Left | = Advance injection timing | refer to chart. |

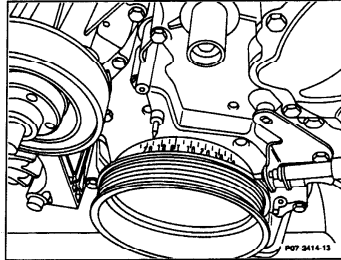
Position sensor (007)	remove.
Plug (arrow)	screw in.
Regulating linkage	check, adjust if necessary. (repair instruction 30-300).
Leak check with running engine	perform.
Engine oil level	check, correct if necessary.

Note:

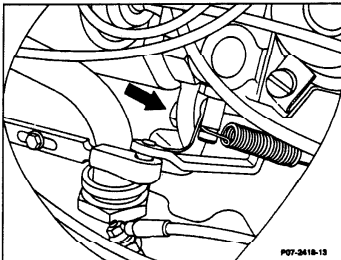
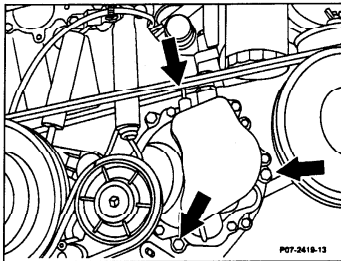
Check injection timing before adjusting (0760).

Adjusting

1. Turn crankshaft in direction of rotation to 14° ATDC.



2. Loosen mounting bolts (arrows) at injection pump flange and bracket (arrow).



Bracket mounting bolt

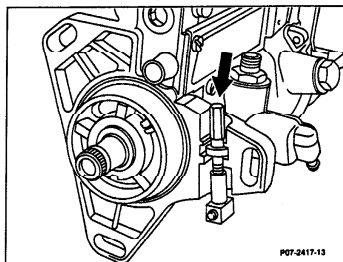
3. Connect indicator (008) and clamp (009) to battery positive terminal.
4. Pivot injection pump by turning adjusting screw until both lamps A and B light.

Adjustment screw direction

- Right = Retard injection timing
Left = Advance injection timing

RI adjustment value:

14° + 0.5° ATDC



Note:

If the adjustment range is inadequate, the pump must be repositioned. Refer to SMS, Job No. 07.1-200, Injection pump removal and installation.

5. Torque mounting bolts on injection pump flange and bracket to 20-25 Nm.
6. Remove position transmitter.
7. Install screw in plug, torque to 30-35 Nm.
8. Check regulating linkage, and adjust if necessary (SMS, Job No. 30-300).
9. Check for leaks with engine running.
10. Check engine oil level, and correct if necessary.