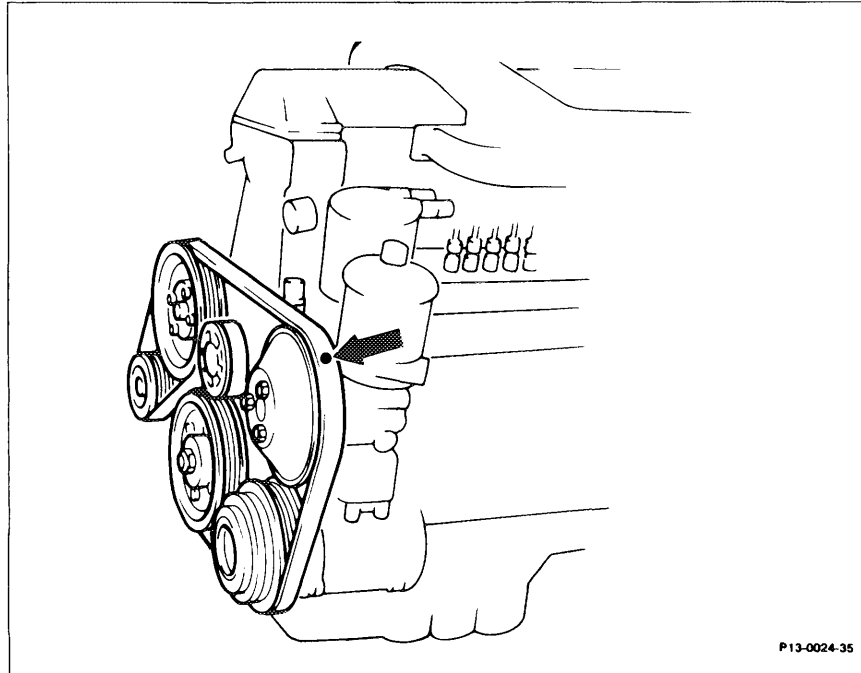


## 13-343 Checking condition of poly V-belt and tensioner

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- |                                    |  |
|------------------------------------|--|
| Compression pressure plotter ..... | connect 001 589 76 21 00 with adapter 124 589 366 300 to positive terminal of battery and terminal 50 (Numbers 1 - 3). |
| Poly V-belt .....                  | mark at a clearly visible point with chalk (arrow). Turn engine in increments.   |
| Tensioner .....                    | check condition.   |

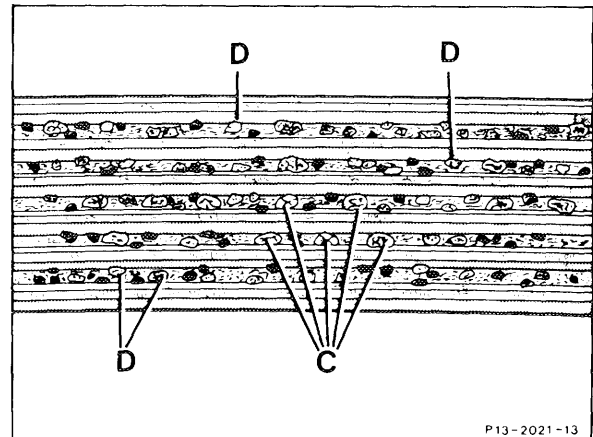
**Caution!**  
Note different design.

## A. Poly V-belts

The poly V-belt is to be replaced if one of the following damaged patterns is determined during testing.

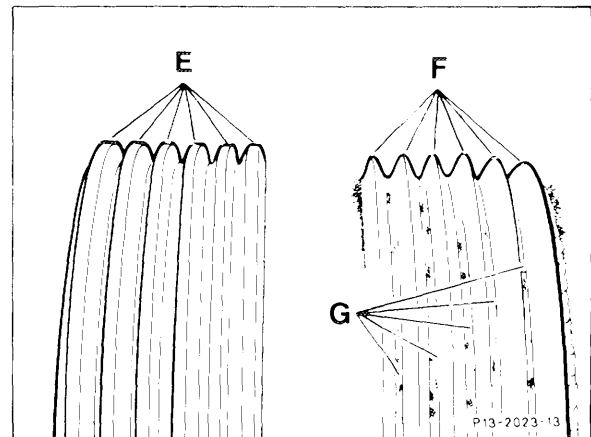
### Damage pattern

- C Lumps of rubber in base of ribs.
- D Deposits of dirt or stones.

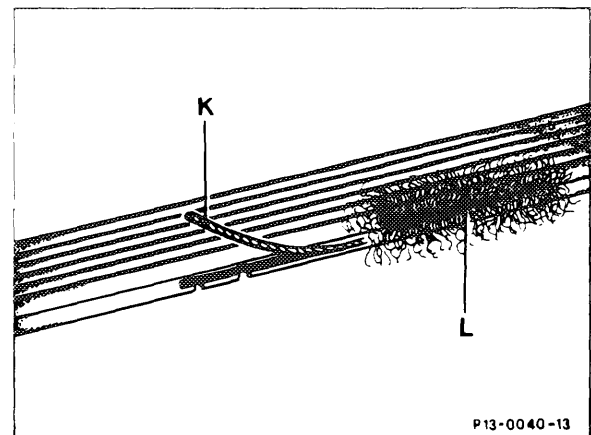


### Flank wear

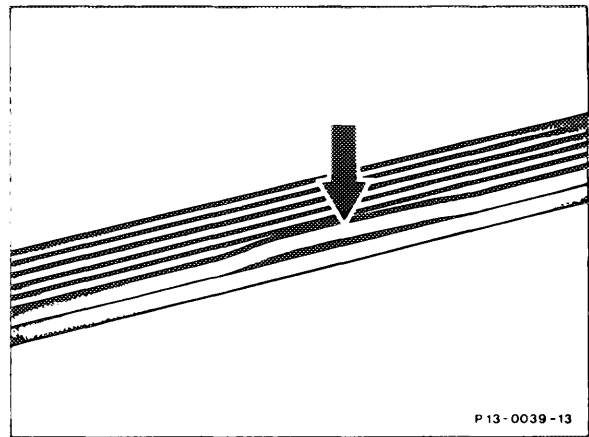
- F Ribs are pointed.
- E New poly V-belt - ribs are trapezoidal.
- G Strand visible in base of ribs (lighter points).



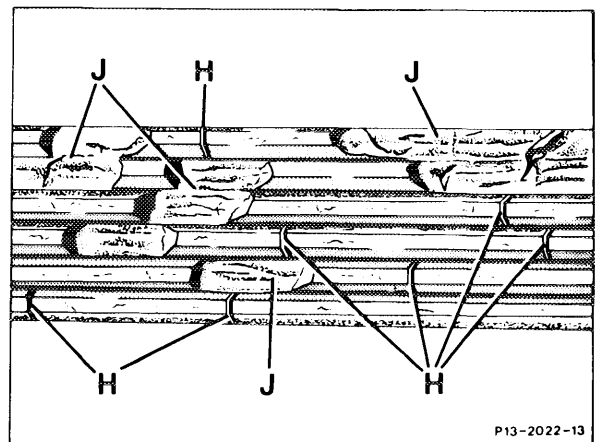
- K Strand torn out sideways.
- L Outer strands frayed.



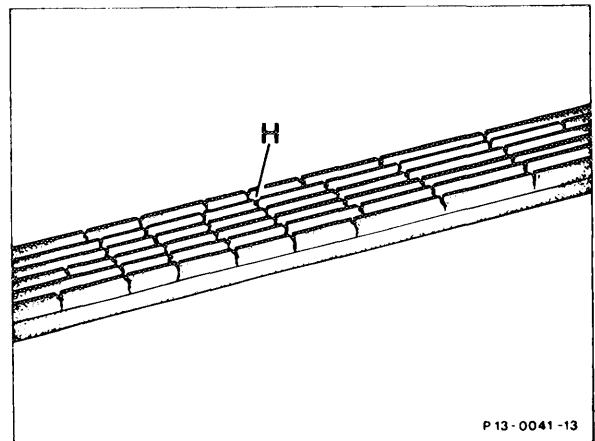
Rib detached from base of belt (arrow).



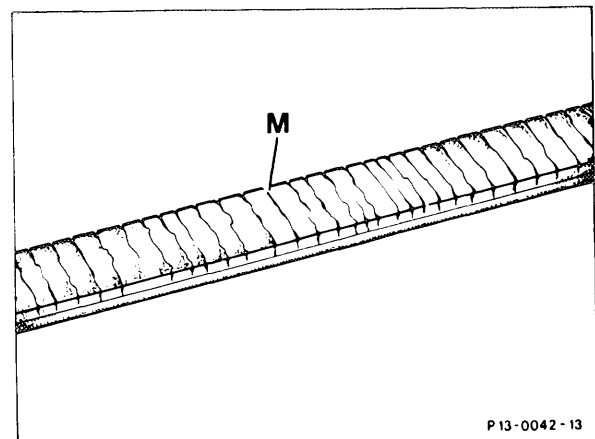
H Transverse cracks in ribs and or  
J Rib fractures



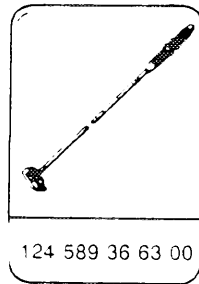
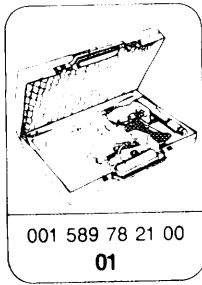
H Transverse cracks in several ribs.



M Transverse cracks on the back.



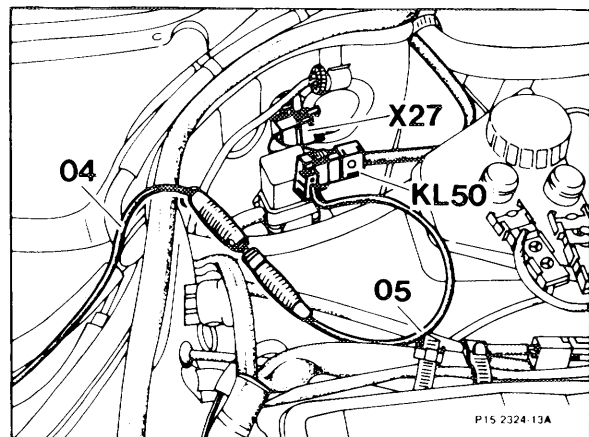
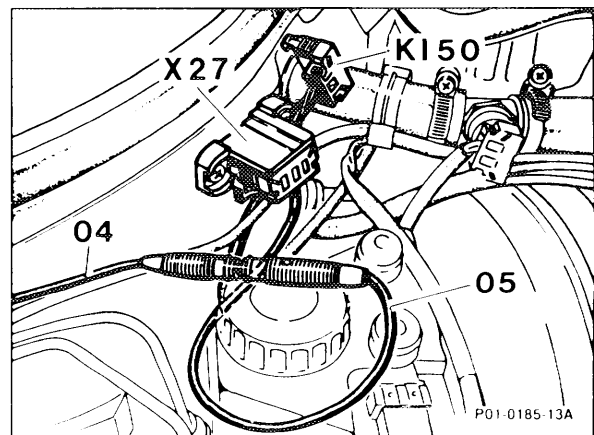
## Special tools



### Model 124 and 126

1 Connect compression pressure plotter 001 589 78 21 00, by separating plug connection (X 27) at the left unit compartment wall and connect connector lead (04) of the compression pressure plotter to the plug (terminal 50) with adapter lead 124 589 36 63 00 (05).

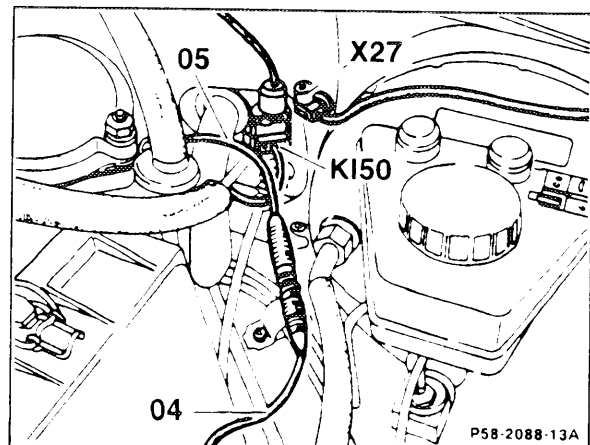
Model 124



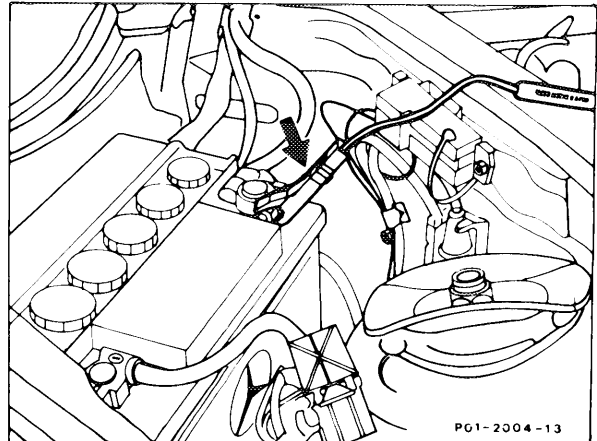
Model 126

### Model 201

2 Connect compression pressure plotter 001 589 78 21 00, by separating plug connector (X 27) at left front wall and connect the connector lead (04) of compression pressure plotter to the plug (terminal 50) with adapter lead 124 589 36 63 00.



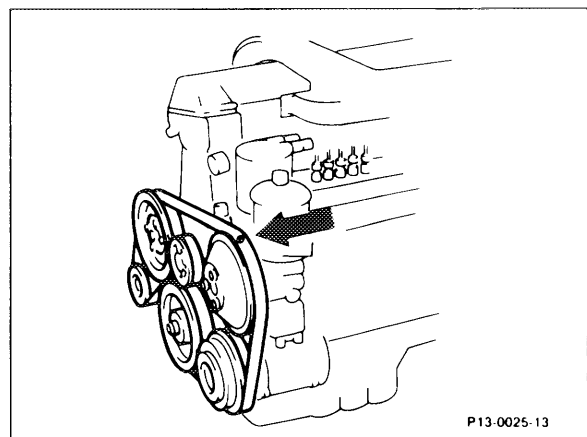
3 Connect up second connector lead of the compression tester to positive terminal (terminal 30) of the battery.



4 Mark poly V-belt with chalk at a clearly visible point (arrow).

5 Turn engine in increments and check poly V-belt for damage.

Complete process when marking is visible again (one complete belt revolution).



## B. Tensioner

The following parts are to be checked on the tension lever bearing (1st design up to 10 85):  
6 Check bearing pin (30) of tension lever (360) for firm seating.

### Note

The collar of bearing pin (30) must contact the timing case cover (28). The idler pulley must not have any alignment problems.

7 Check tensioner with bearing bush.

### Note

The idler pulley must not exhibit any alignment faults. The bearing bushes are worn when there is a detectable play between the bearing pin (30) and tension lever (360).

