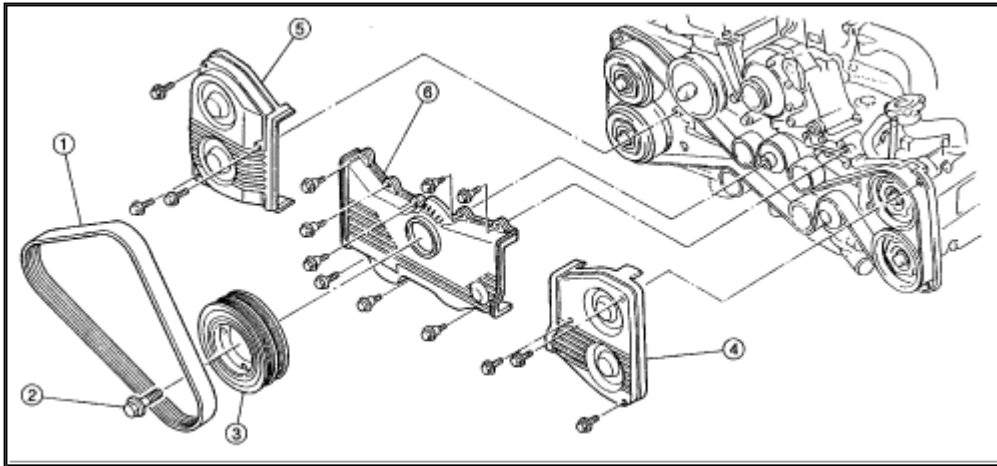


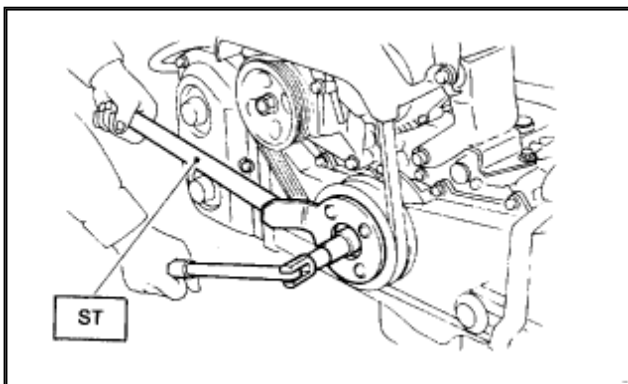
## Removal



Zoom

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### 1. CRANKSHAFT PULLEY AND BELT COVER

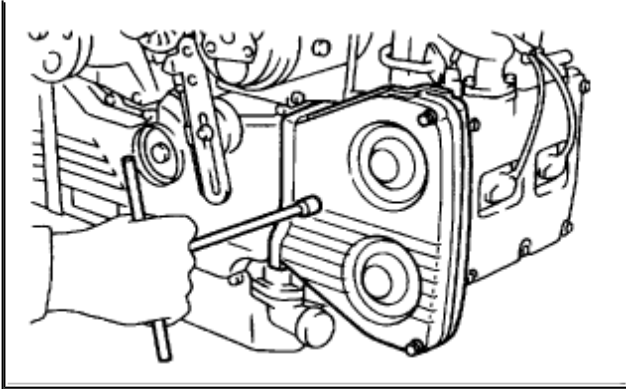


Zoom

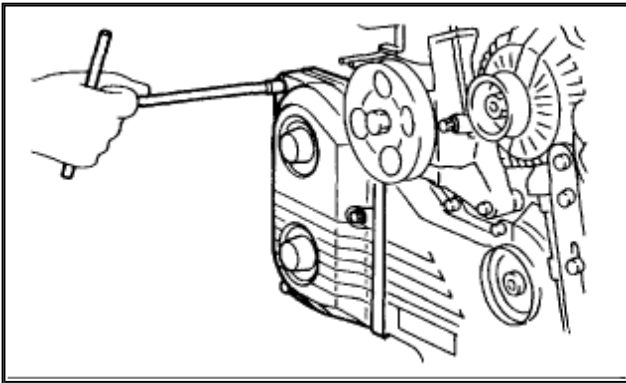
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- 1) Remove V-belt cover, V-belt and air conditioning compressor drive belt tensioner.
- 2) Remove pulley bolt. To lock crankshaft, use ST. ST 499977000 CRANKSHAFT PULLEY WRENCH
- 3) Remove crankshaft pulley.

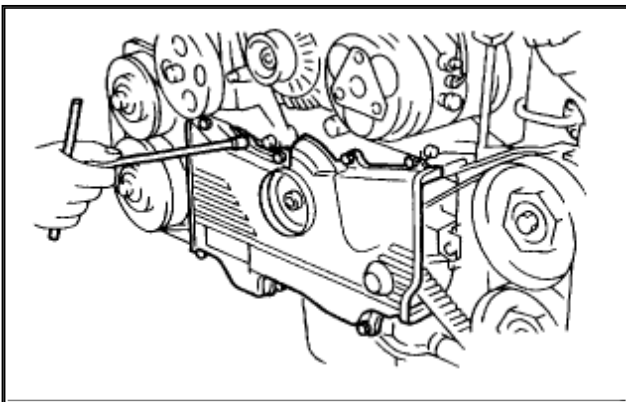


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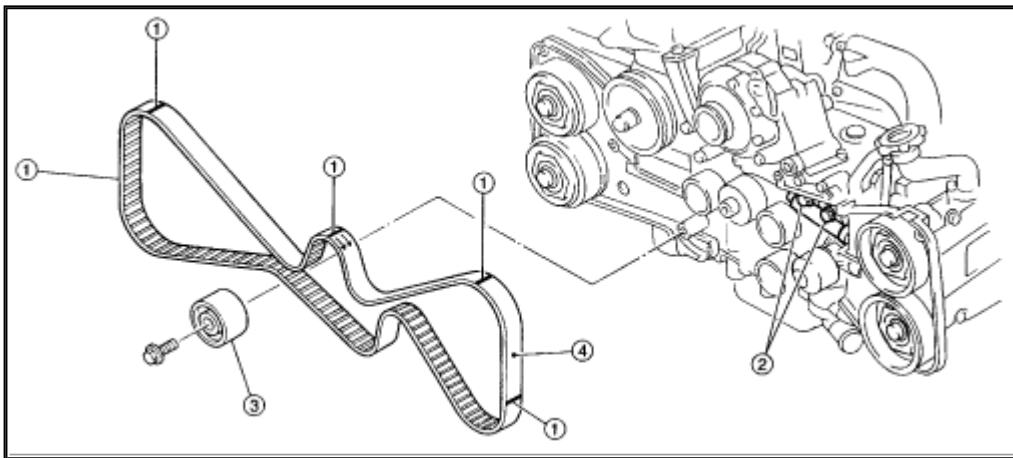
4) Remove left-hand belt cover.

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5) Remove right-hand belt cover.

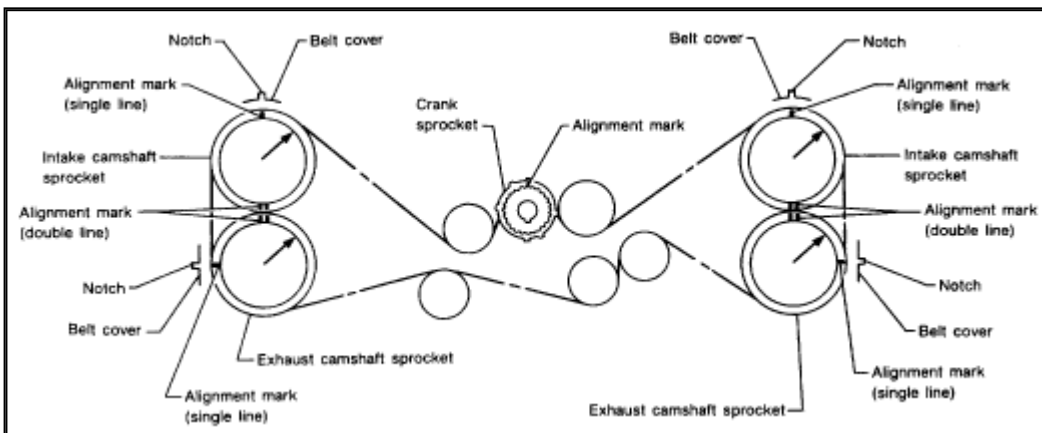
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6) Remove front belt cover



Zoom

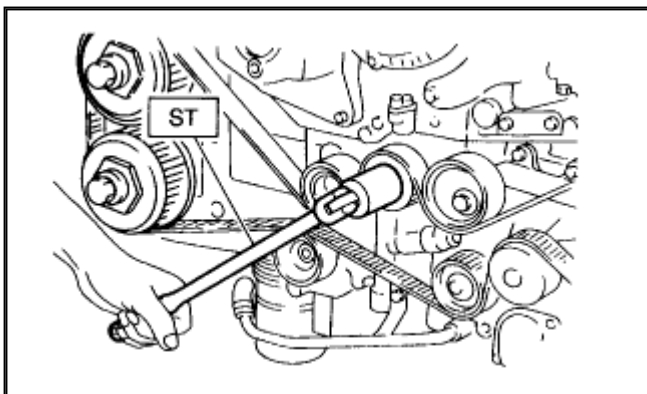
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Zoom

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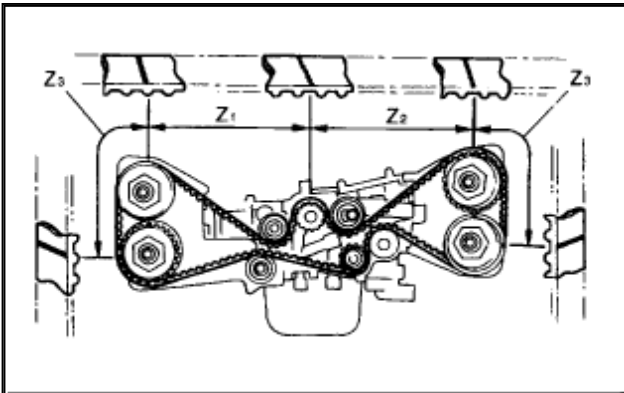
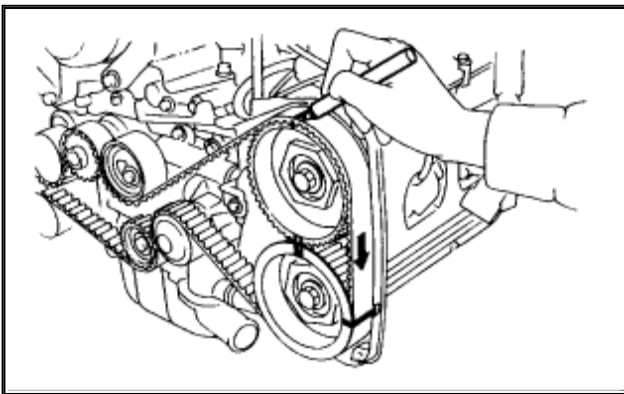
2. TIMING BELT

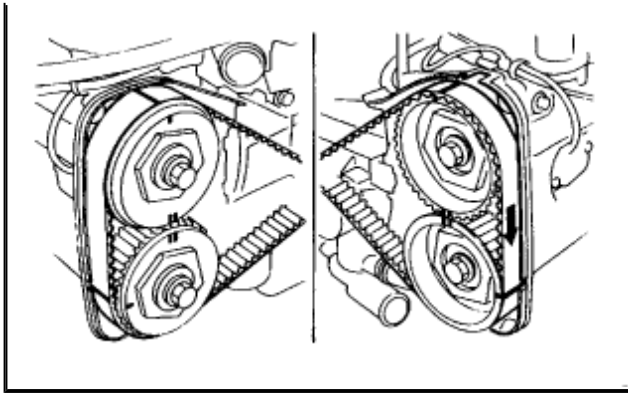


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- 1) If alignment mark and/or arrow mark (which indicates rotation direction) on timing belt fade away, put new marks before removing timing belt as follows:

- (1) Turn crankshaft using ST, and align alignment marks on crankshaft sprocket, left-hand intake camshaft sprocket, left-hand exhaust camshaft sprocket, right-hand intake camshaft sprocket and right hand exhaust camshaft sprocket with notches of belt cover and cylinder block. ST 499987500 CRANKSHAFT SOCKET

[Zoom](#)[Sized for Print](#)[Zoom](#)[Sized for Print](#)

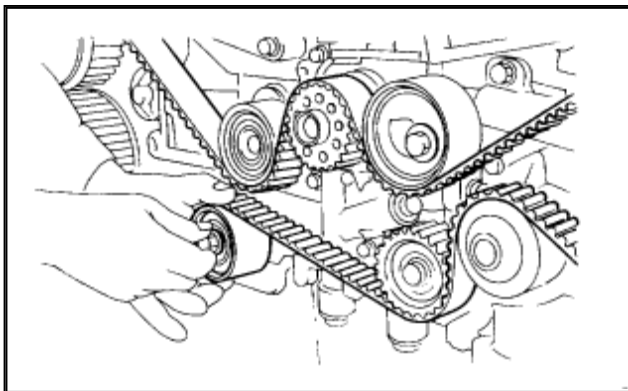
[Zoom](#)[Sized for Print](#)

- (2) Using white paint put alignment and/or arrow marks on timing belts in relation to the sprockets.

**Z1: 54.5 tooth length**

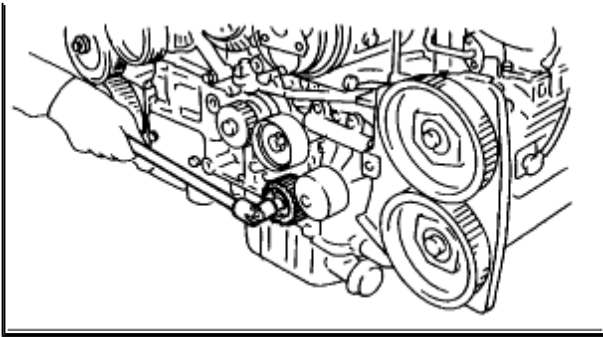
**Z2: 51 tooth length**

**Z3: 28 tooth length**

[Zoom](#)[Sized for Print](#)

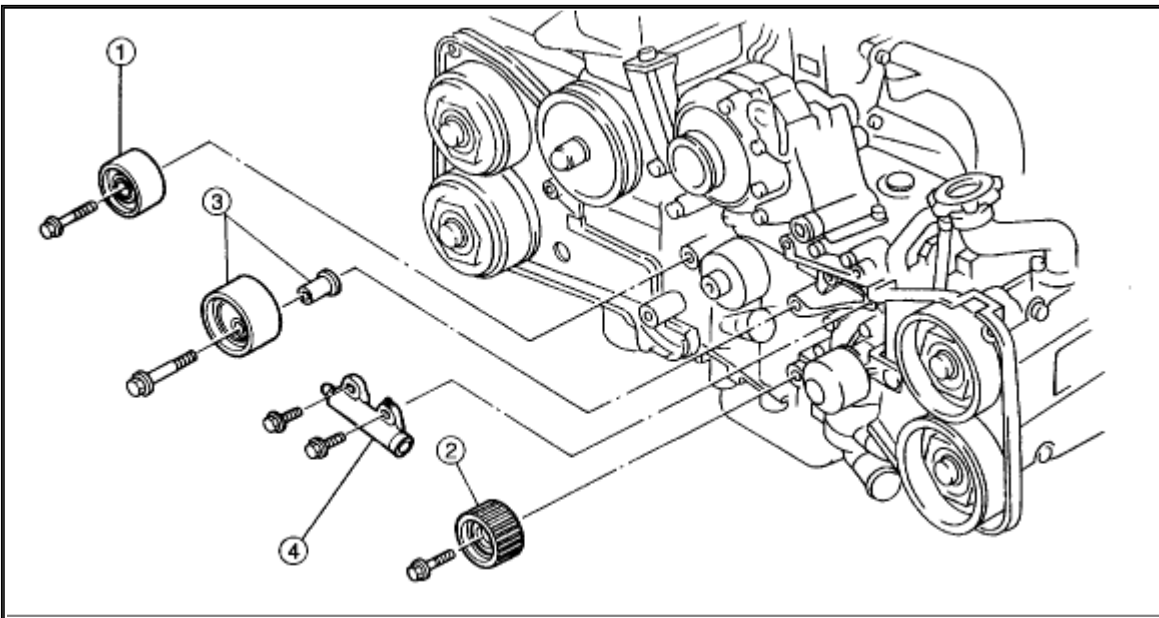
- 2) Loosen tensioner adjuster mounting bolts.
- 3) Remove belt idler.



[Zoom](#)[Sized for Print](#)

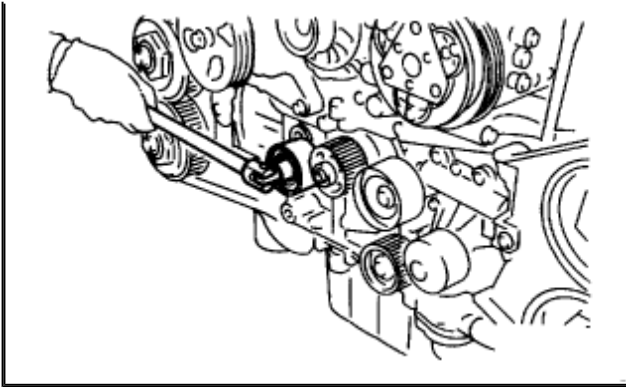
- 4) Remove timing belt.
- 5) Remove belt idler No.2.

**CAUTION:** After timing belt has been removed, never rotate intake and exhaust, camshaft sprocket.  
If camshaft sprocket is rotated, the intake and exhaust valve heads strike together and valve stems are bent.

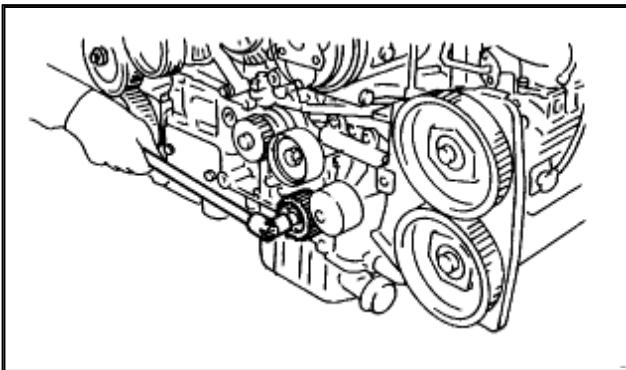
[Zoom](#)[Sized for Print](#)

### 3. BELT TENSIONER AND IDLER

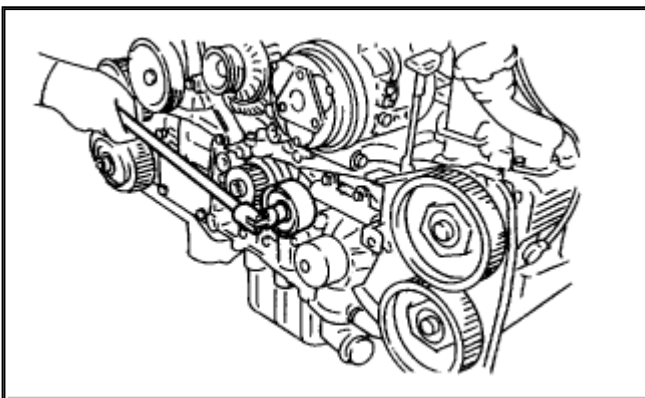


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1) Remove belt idler.

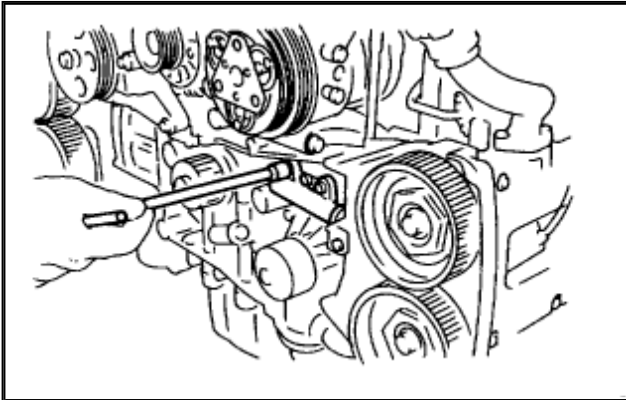
[Zoom](#)[Sized for Print](#)

2) Remove belt idler No.2.

[Zoom](#)[Sized for Print](#)



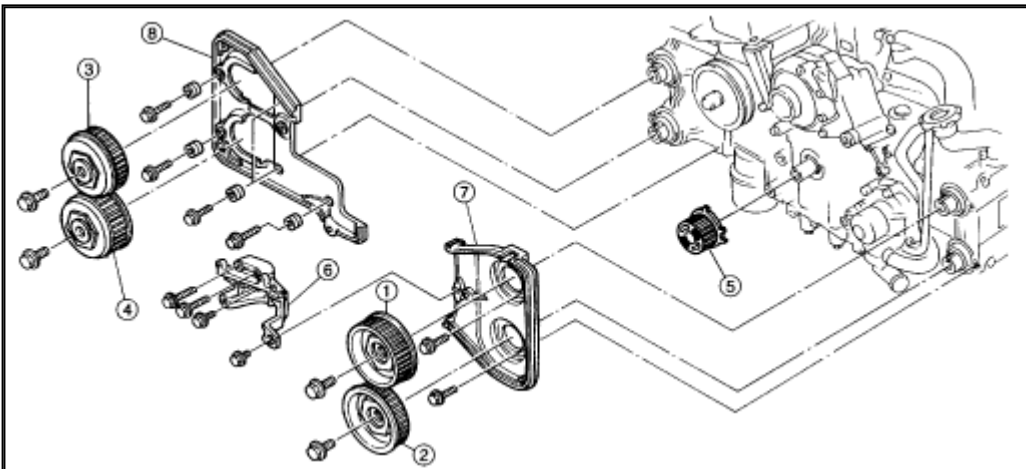
3) Remove belt tensioner and spacer.



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4) Remove belt tension adjuster.



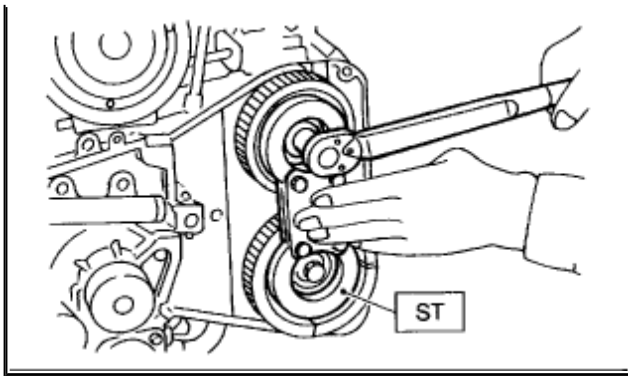
Zoom

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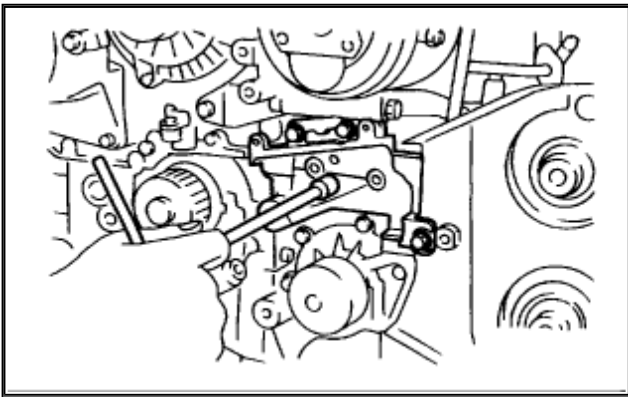
#### 4. SPROCKET





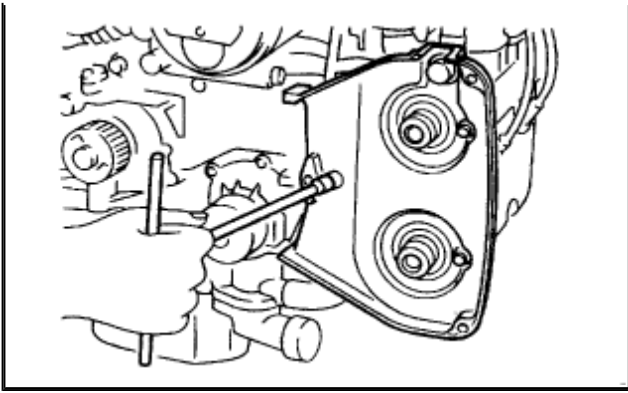
[Zoom](#)[Sized for Print](#)

- 1) Remove left-hand intake camshaft sprocket.
- 2) Remove left-hand exhaust camshaft sprocket.
- 3) Remove right-hand intake camshaft sprocket.
- 4) Remove right-hand exhaust camshaft sprocket. ST 499207300  
CAMSHAFT SPROCKET WRENCH
- 5) Remove crankshaft sprocket.

[Zoom](#)[Sized for Print](#)

- 6) Remove tensioner bracket.

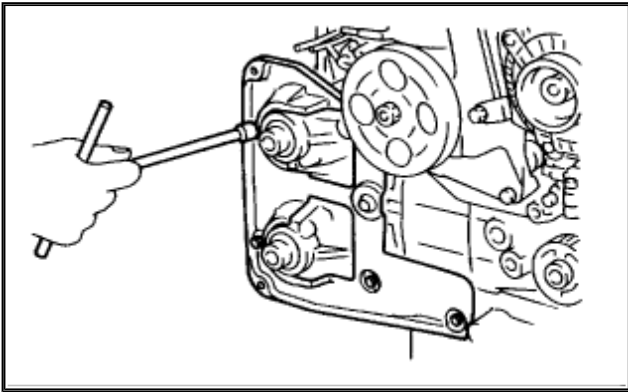




Zoom

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7) Remove left-hand belt cover No.2.



Zoom

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8) Remove right-hand belt cover No.2.