

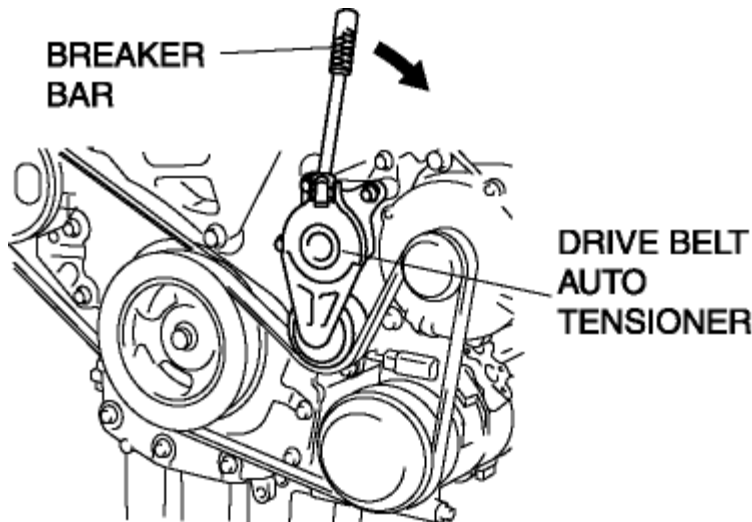
2012 - Mazda6 - Engine

DRIVE BELT REMOVAL/ INSTALLATION [MZI 3.7 V6]

Generator and A/ C Drive Belt

NOTE:

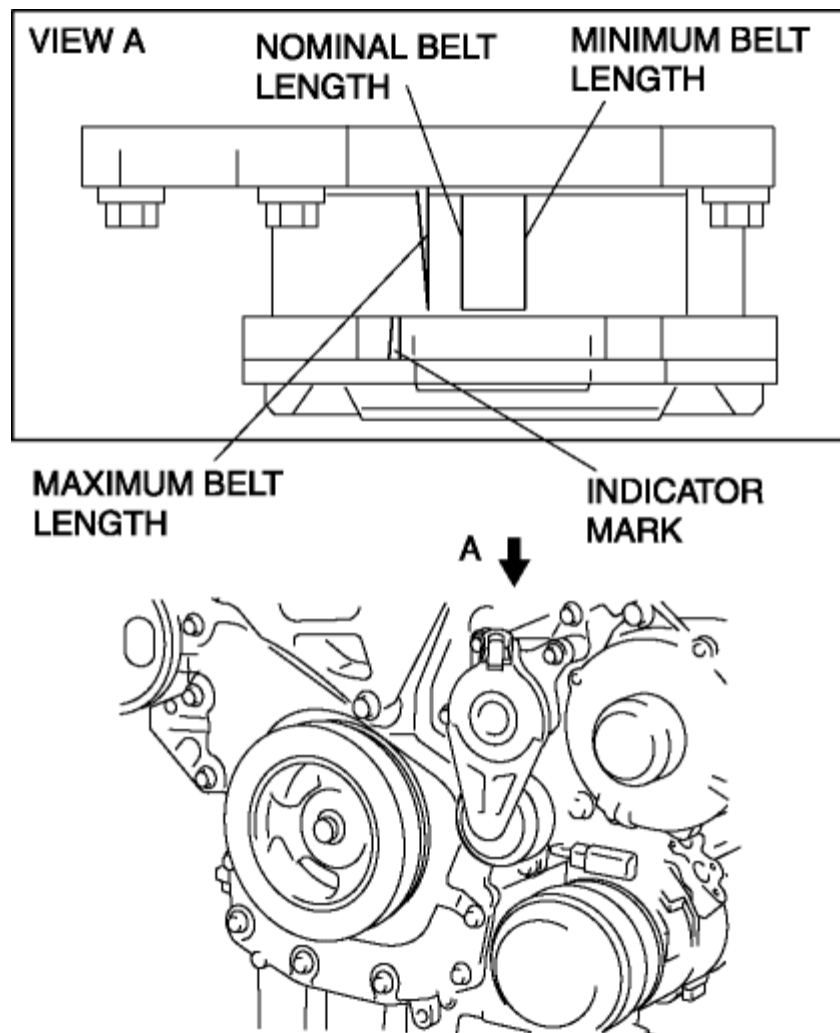
- When removing the generator and A/C drive belt, perform the procedure with two people, one releasing the belt tension and the other removing the belt.
1. Remove the engine cover. (See [ENGINE COVER REMOVAL/ INSTALLATION \[MZI 3.7 V6\]](#).)
 2. Set the front mudguard (RH) out of the way.
 3. Remove the splash shield (RH).
 4. Disconnect the cooler hose. (See [REFRIGERANT LINE REMOVAL/ INSTALLATION.](#))
 5. Set a breaker bar on the center of the tensioner pulley as shown.



6. Using the breaker bar, turn the center of the tensioner pulley clockwise to release the tension on the generator and A/C drive belt.
7. Remove the generator and A/C drive belt.
8. Install the generator and A/C drive belt.

NOTE:

- When the generator and A/C drive belt is replaced with a new one, the drive belt auto tensioner indicator mark is aligned with the nominal belt length mark.
9. Verify that the drive belt auto tensioner indicator mark is within the maximum and minimum belt length. (See [DRIVE BELT INSPECTION \[MZI 3.7 V6\]](#).)

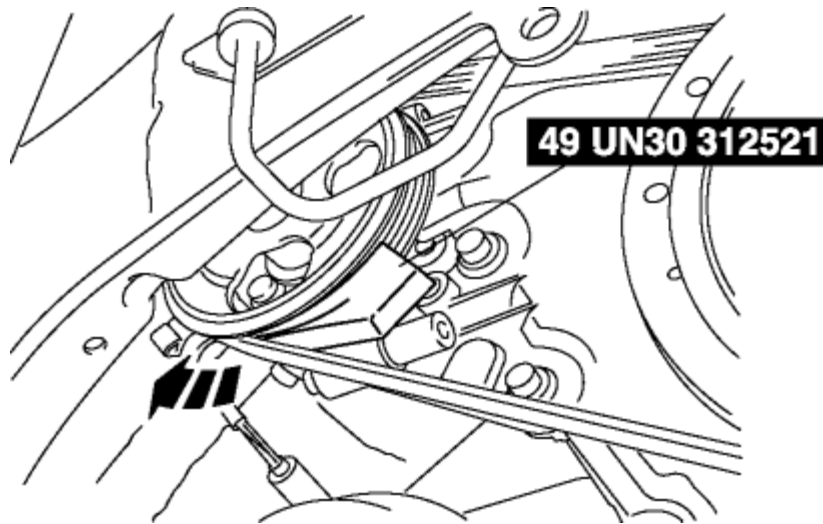


- If the drive belt auto tensioner indicator mark is not within the limit, replace the generator and A/C drive belt.

10. Install the cooler hose.
11. Install the splash shield (RH).
12. Install the front mudguard (RH).
13. Install the engine cover. (See [ENGINE COVER REMOVAL/ INSTALLATION \[MZI 3.7 V6\]](#).)

Power Steering Oil Pump Drive Belt

1. Remove the generator and A/C drive belt. (See [Generator and A/ C Drive Belt](#).)
2. Remove the power steering oil pump drive belt.
 - a. Install the **SST** between the power steering oil pump drive belt and the power steering oil pump pulley.



NOTE:

- Hold the SST by hand until it is lodged between the power steering oil pump pulley and power steering oil pump drive belt.

b. Turn the crankshaft clockwise to remove the power steering oil pump drive belt.

NOTE:

- If there is power steering oil pump drive belt damage and cracks, replace the power steering oil pump drive belt.

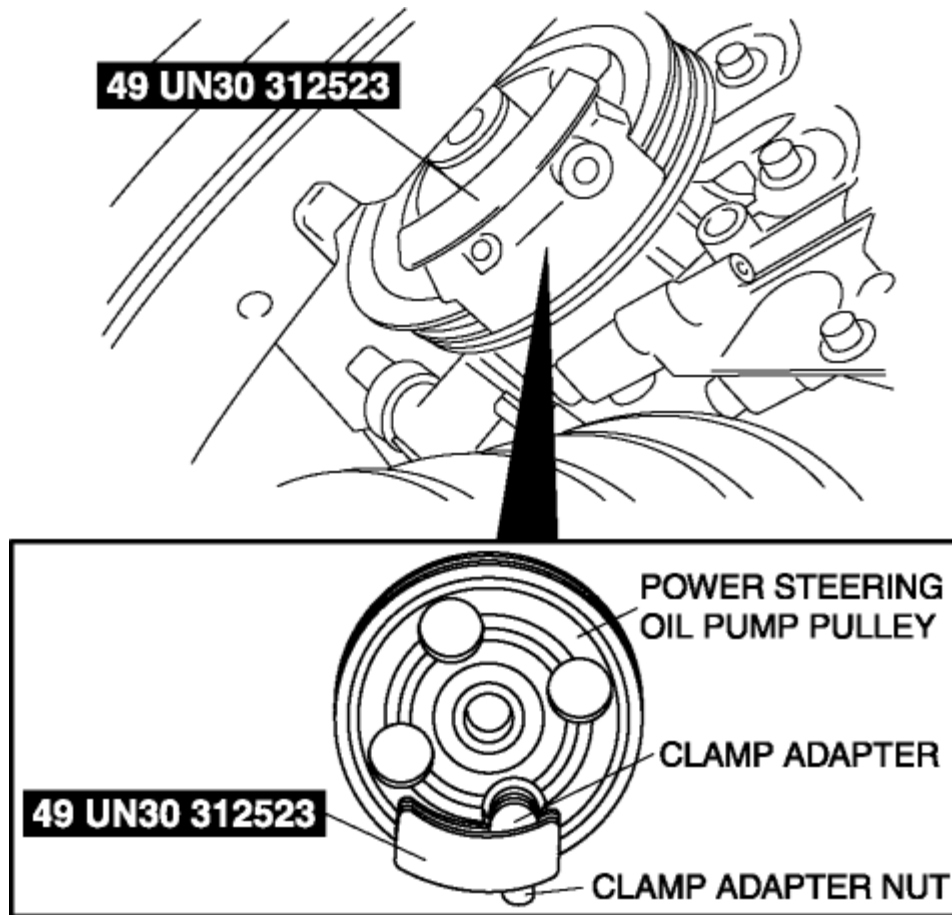
3. Install the power steering oil pump drive belt.

a. Install the **SST** according to the following steps.

i. Loosen the clamp adapter nut of the **SST**.

NOTE:

- There is no need to remove the clamp adapter nut completely when positioning the SST on the power steering oil pump pulley.
- ii. Position the **SST** on the power steering oil pump pulley with the clamp adapter in one of the holes of the pulley.

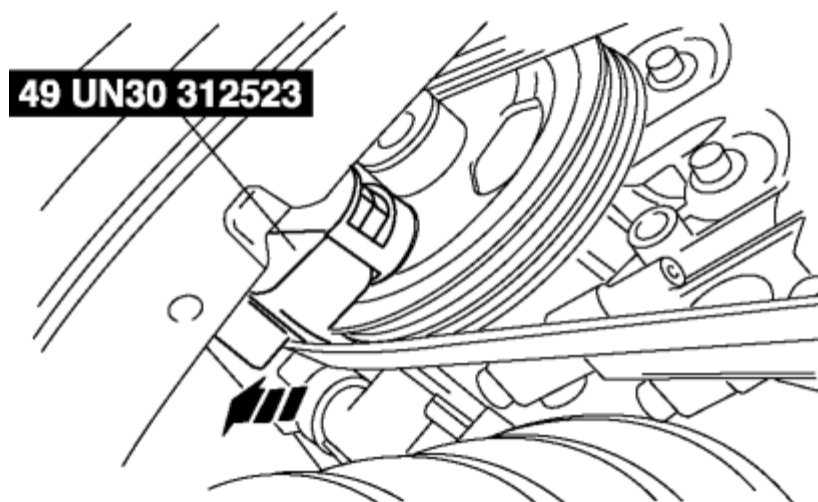


iii. Tighten the clamp adapter nut by hand.

NOTE:

- Hand tightening of the clamp adapter nut is sufficient.

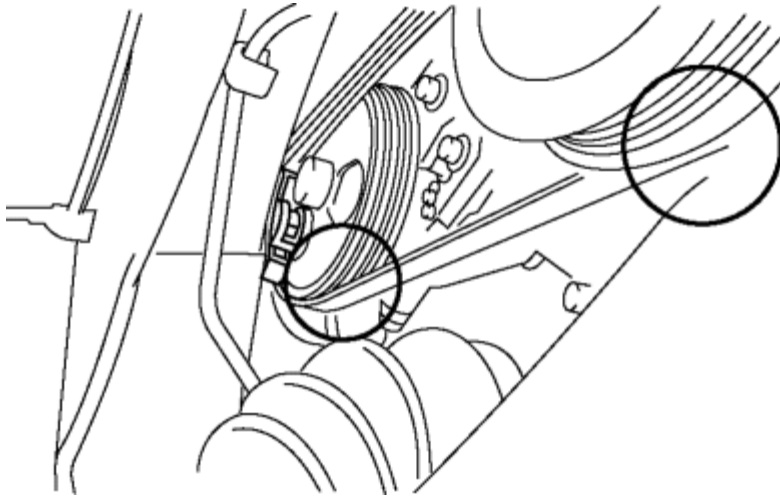
b. Position the power steering oil pump drive belt around the **SST** and the power steering oil pump pulley.



NOTE:

- Hold the SST and power steering oil pump drive belt by hand until the power steering oil pump drive belt is properly seated.

c. Turn the crankshaft clockwise to install the power steering oil pump drive belt.



NOTE:

- Verify that the power steering oil pump drive belt is firmly attached to the pulleys.

4. Install the generator and A/C drive belt. (See [Generator and A/ C Drive Belt.](#))

5. Verify that the drive belt auto tensioner indicator mark does not exceeds the maximum belt length. (See [DRIVE BELT INSPECTION \[MZI 3.7 V6\]](#) .)

- If it exceeds the maximum belt length, replace the generator and A/C drive belt.

[< Previous](#) [Next >](#)

[Back to Top](#)

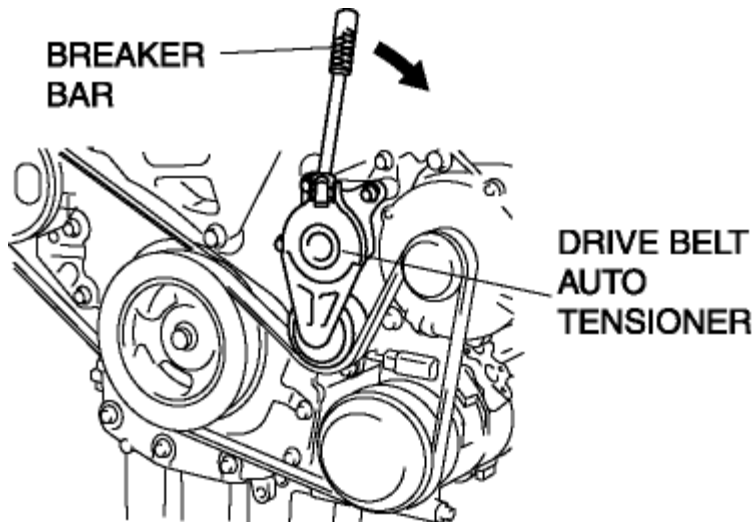
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Generator and A/ C Drive Belt

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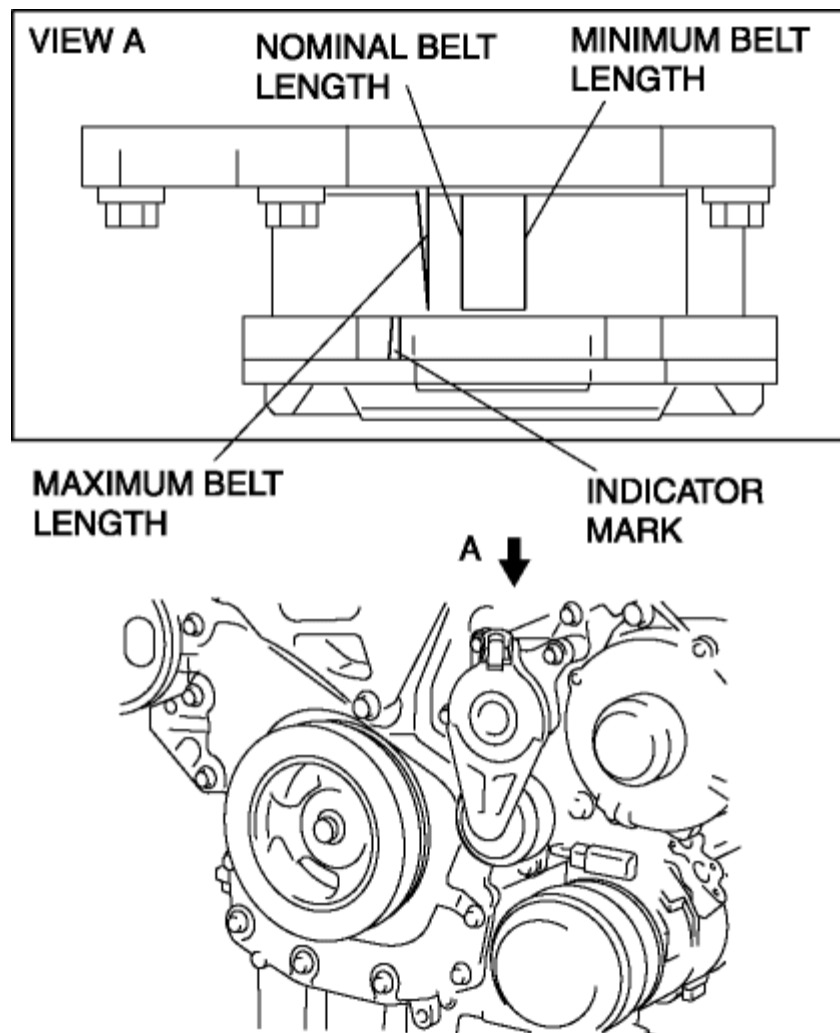
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6. Using the breaker bar, turn the center of the tensioner pulley clockwise to release the tension on the generator and A/C drive belt.
7. Remove the generator and A/C drive belt.
8. Install the generator and A/C drive belt.

NOTE:

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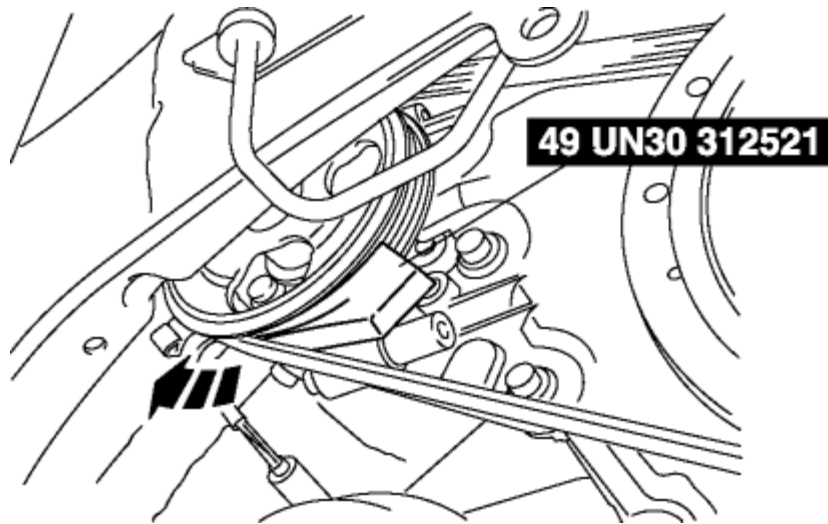


- If the drive belt auto tensioner indicator mark is not within the limit, replace the generator and A/C drive belt.

10. Install the cooler hose.
11. Install the splash shield (RH).
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Power Steering Oil Pump Drive Belt

1. Remove the generator and A/C drive belt. (See [Generator and A/ C Drive Belt](#).)
2. Remove the power steering oil pump drive belt.
 - a. Install the **SST** between the power steering oil pump drive belt and the power steering oil pump pulley.



NOTE:

- Hold the SST by hand until it is lodged between the power steering oil pump pulley and power steering oil pump drive belt.

b. Turn the crankshaft clockwise to remove the power steering oil pump drive belt.

NOTE:

- If there is power steering oil pump drive belt damage and cracks, replace the power steering oil pump drive belt.

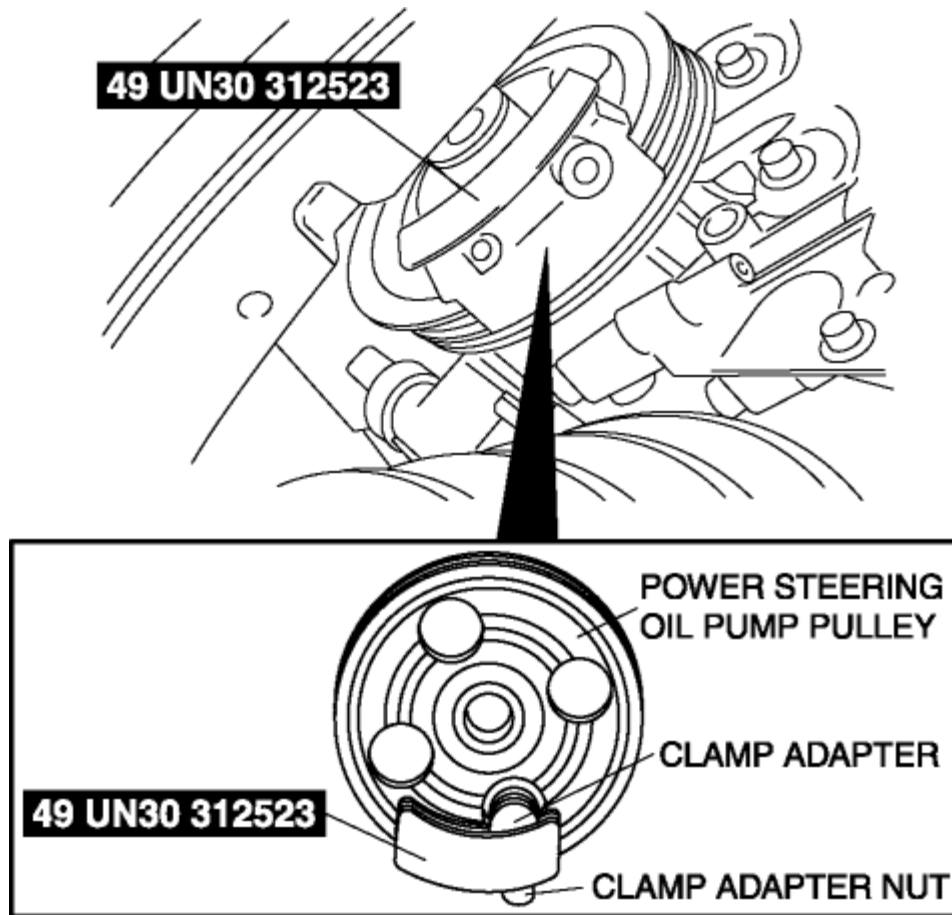
3. Install the power steering oil pump drive belt.

a. Install the **SST** according to the following steps.

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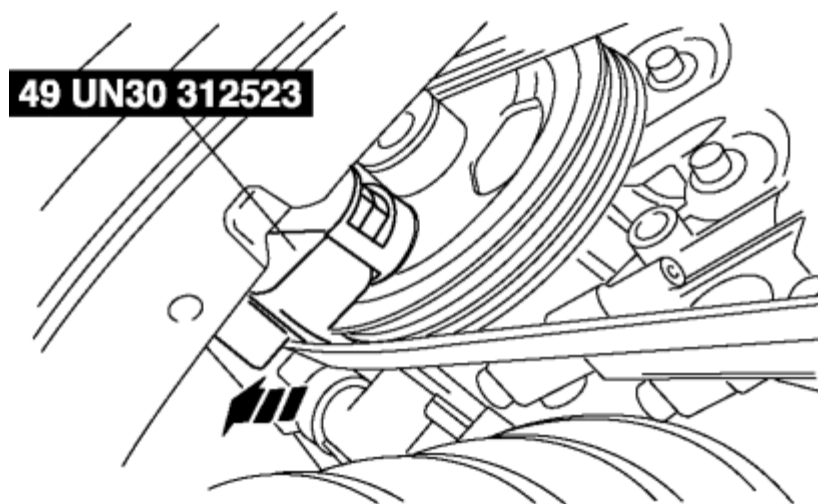


iii. Tighten the clamp adapter nut by hand.

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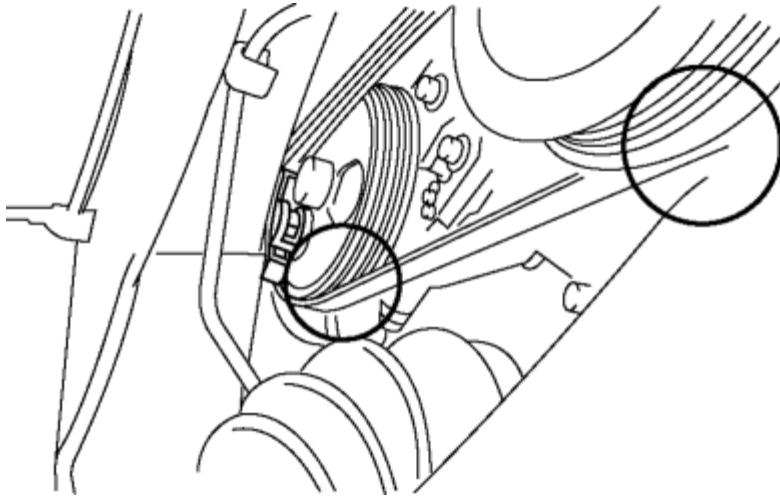
b. Position the power steering oil pump drive belt around the **SST** and the power steering oil pump pulley.



NOTE:

- Hold the SST and power steering oil pump drive belt by hand until the power steering oil pump drive belt is properly seated.

c. Turn the crankshaft clockwise to install the power steering oil pump drive belt.



NOTE:

- Verify that the power steering oil pump drive belt is firmly attached to the pulleys.

4. Install the generator and A/C drive belt. (See [Generator and A/ C Drive Belt](#).)

5. Verify that the drive belt auto tensioner indicator mark does not exceeds the maximum belt length. (See [DRIVE BELT INSPECTION \[MZI 3.7 V6\]](#).)

- If it exceeds the maximum belt length, replace the generator and A/C drive belt.

[< Previous](#) [Next >](#)

[Back to Top](#)