

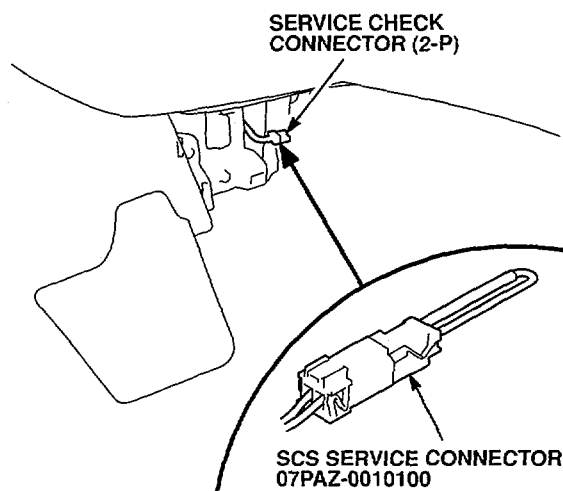


Service Manual Update: ATTS Service Procedures

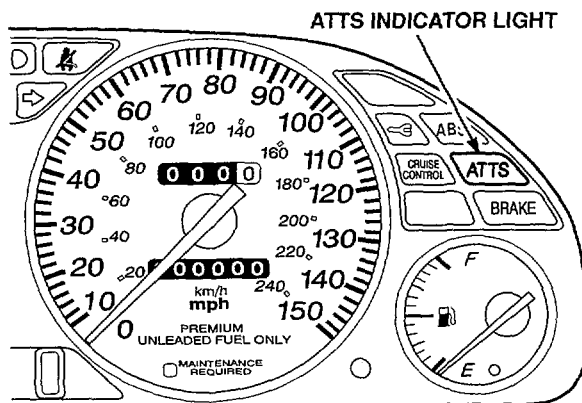
The 1997 Prelude Service Manual incorrectly describes some service procedures for the Active Torque Transfer System (ATTS) in the SH model. This bulletin describes the correct service procedures for *Erasing DTCs From the ATTS*, performing the *ATTS Function Test*, and *Memorizing the Steering Angle Sensor Neutral Position*. Make a note on service manual pages 15-15, 15-59, and 15-60 to refer to this service bulletin.

Erasing the DTCs

1. Apply the parking brake, and turn the steering wheel to the straight-ahead driving position.
2. Plug the SCS service connector into the 2P service check connector located on the right side of the center console.



3. Turn the ignition switch ON (II), but do not start the engine; the ATTS indicator light comes on.



4. Within 4 seconds after the light comes on, turn the steering wheel to the right at least 45 degrees but not more than 90 degrees; the ATTS indicator light goes off.
5. Within 4 seconds after the light goes off, return the steering wheel to the straight-ahead driving position; the ATTS indicator light comes on.
6. Repeat steps 4 and 5. The ATTS light blinks twice after step 5 is repeated, indicating the DTC has been erased.

ATTS Function Test

1. Apply the parking brake, and block the rear wheels.
2. Raise both front wheels off the ground, then support the front of the vehicle with safety stands at the proper lift points (see page 1-10 of the S/M).
3. Plug the SCS service connector into the 2P service check connector located on the right side of the center console.
4. Release the parking brake.
5. Start the engine, then shift the transmission into reverse.
6. Within 20 seconds,
 - Accelerate to 6 mph.
 - Shift the transmission to neutral, and apply the foot brake to stop the wheels.
 - Apply the parking brake; the ATTS light starts blinking.
 - Shift the transmission into 1st gear, then accelerate to 12 mph.
7. Observe that the ATTS is now in the test mode: feel the steering wheel shake, and see the ATTS indicator light go off.

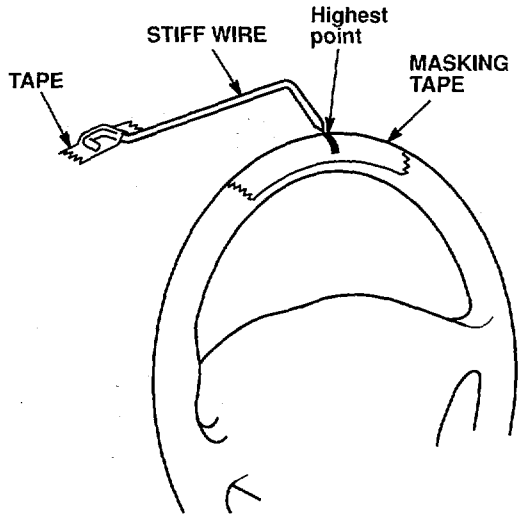
NOTE: If the ATTS indicator light stays on, retrieve the DTC, and follow the troubleshooting procedure for the code.

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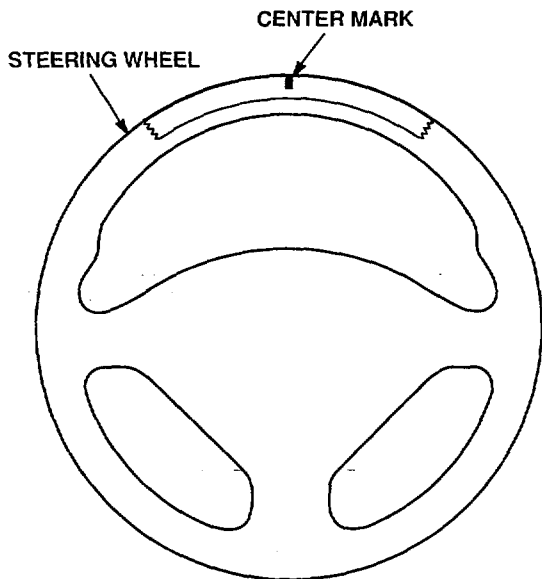
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Memorizing the Steering Angle Sensor Neutral Position

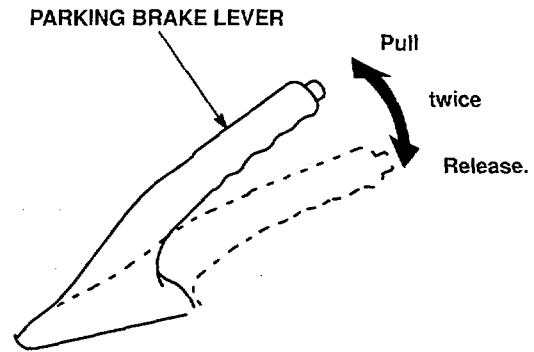
1. Plug the SCS service connector into the 2P service check connector located on the right side of the center console.
2. Turn the steering wheel to the straight-ahead driving position.
3. Attach a piece of masking tape to the top of the steering wheel.



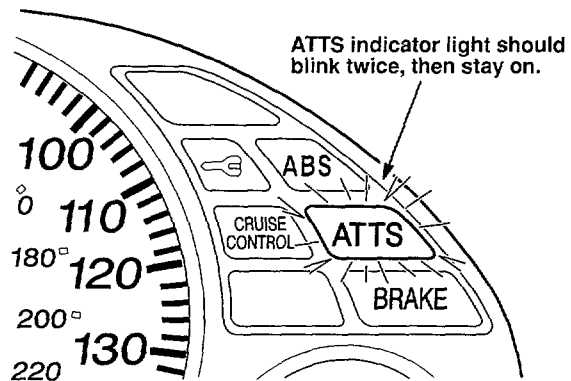
4. Secure a piece of stiff wire (coat hanger) to the top of the dashboard. Make sure the end is aimed at the highest point on the steering wheel.
5. Start the engine, and drive the vehicle in a straight line.
6. While the vehicle is traveling straight, mark the spot the wire is pointing to on the masking tape; this is the straight-ahead driving position.



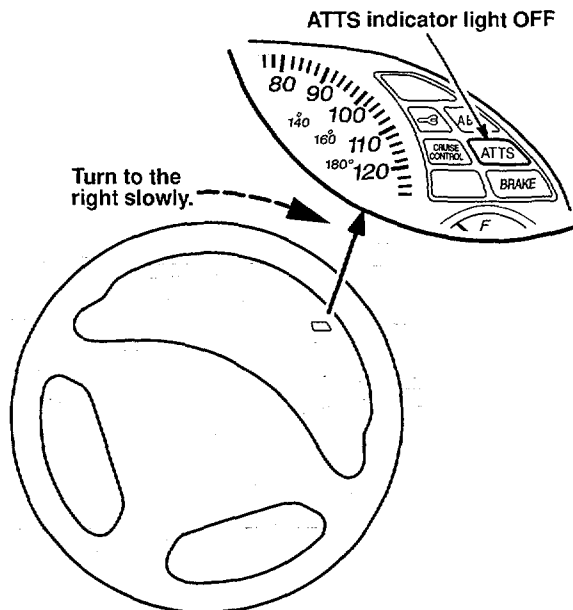
7. Stop the vehicle, and turn off the ignition switch.
8. Apply the parking brake, and block the rear wheels.
9. Check for any ATTS DTCs, and erase any that are present.
10. While leaving the SCS service connector plugged into the 2P service check connector, turn the steering wheel to the straight-ahead driving position.
11. Turn the ignition switch ON (II), but do not start the engine.
12. Release and apply the parking brake twice within 4 seconds.



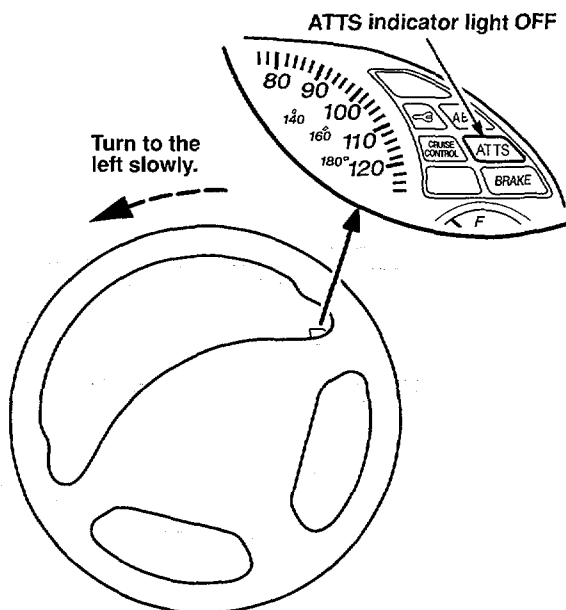
13. Make sure the ATTS indicator light blinks twice, then stays on, before you proceed. If it does not, repeat steps 11 and 12 until it does.



- Slowly turn the steering wheel from the straight-ahead driving position to the right until the ATTS indicator light goes off. Return the steering wheel to the straight-ahead driving position; the ATTS indicator light comes on.

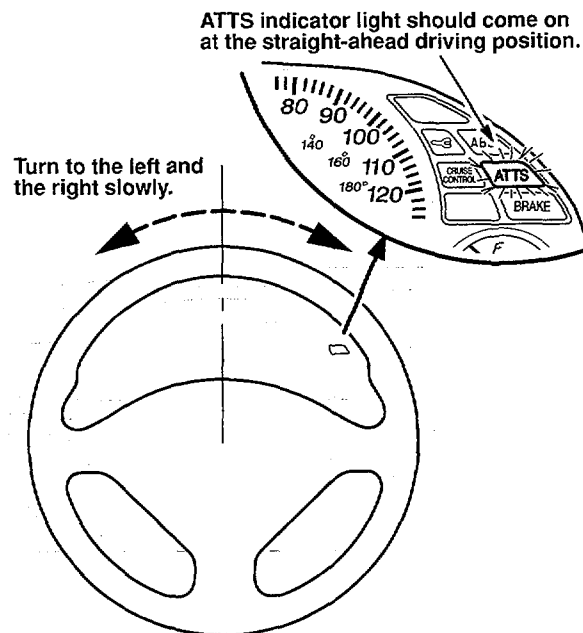


- Slowly turn the steering wheel from the straight-ahead driving position to the left until the ATTS indicator light goes off. Return the steering wheel to the straight ahead driving position; the ATTS indicator light comes on.



- Repeat steps 14 and 15. The ATTS indicator light does not come on after step 15 is repeated.
- Make sure the steering wheel is in the straight-ahead driving position, then release and apply the parking brake once; the ATTS indicator light comes on. This sets the steering angle neutral position.

- To confirm the steering angle neutral position is memorized, slowly turn the steering wheel to the right, and then to the left. Check that the ATTS indicator light goes off when the steering wheel is moved away from the straight-ahead driving position. Move the steering wheel further away, and check that the ATTS indicator light blinks.



NOTE: If the ATTS indicator light does not come on when the steering wheel is in the straight-ahead driving position, turn off the ignition switch and repeat this procedure starting at step 5.

- Release the parking brake. The ATTS indicator light blinks five times, indicating the memorization procedure is completed. If the ATTS indicator light continues to blink, turn off the ignition switch and repeat this procedure starting at step 10.
- Disconnect the SCS service connector, and remove the masking tape and the wire.