

Fundamental Systems Identification

Date:

Your first name:

Your last name:

Owner first name:

Owner last name:

Vehicle make:

Vehicle model:

Vehicle year:

Vehicle engine:

Objective: To identify fundamental vehicle systems and how they work with ADAS.

What is needed:

- An ADAS equipped vehicle and your laptop with access to our SIS.
- A capable scan tool.

Examine vehicle fundamental systems.

- Examine a vehicle's fundamental systems with a scan tool.
- Determine how these fundamental systems interact with the vehicle ADAS.

Network.

- What network systems exist on this vehicle? Be sure to list all of them.

- Which network system(s) are specifically related to ADAS functions?

Brakes.

- What brake systems does the vehicle have?

ABS?

Stability control?

Traction control?

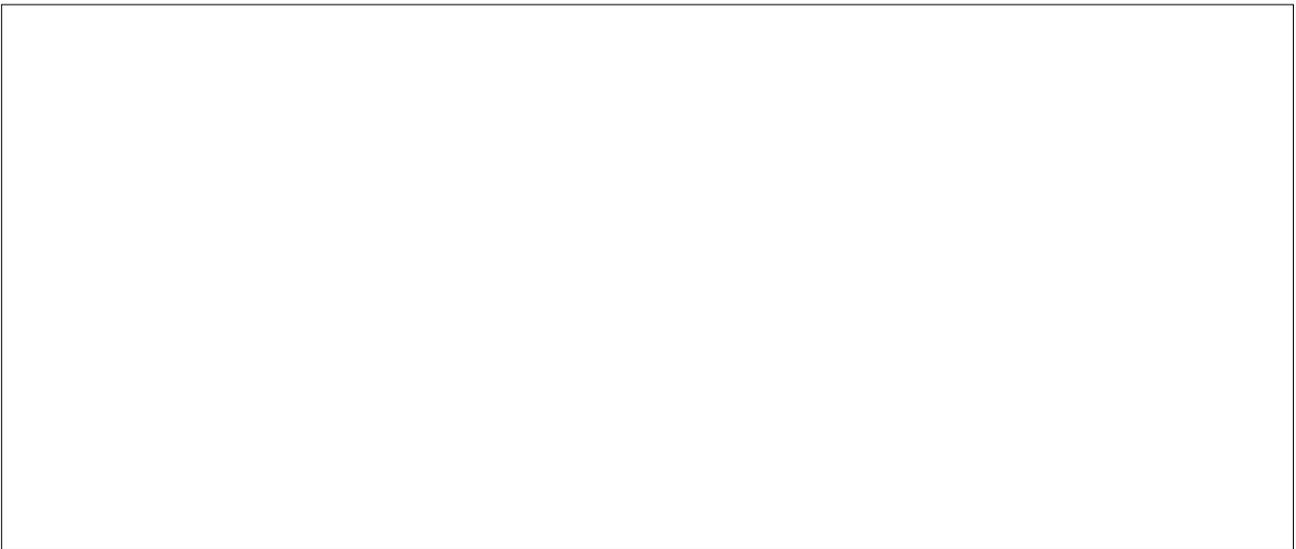
- Location of the brake control module?

- Location of the brake pump and solenoids?

- How is this system integrated with the ADAS system(s)?

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- Use a scan tool to review the data stream. Is the MIL on? Are there any related codes stored? If so, what is the relation?

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Steering.

- What steering system does the vehicle have?

Manual:

Hydraulic:

Electric:

- Location of the steering control module (if so equipped)?

- Location of the hydraulic pump or electric motor.

- How is this steering system integrated with the ADAS system(s)?

Throttle control.

- How is the throttle controlled on this vehicle?

- Where is the throttle control module located?

- How is the throttle control integrated with the ADAS system(s)?

Transmission Control.

- What type of transmission is the vehicle equipped with?

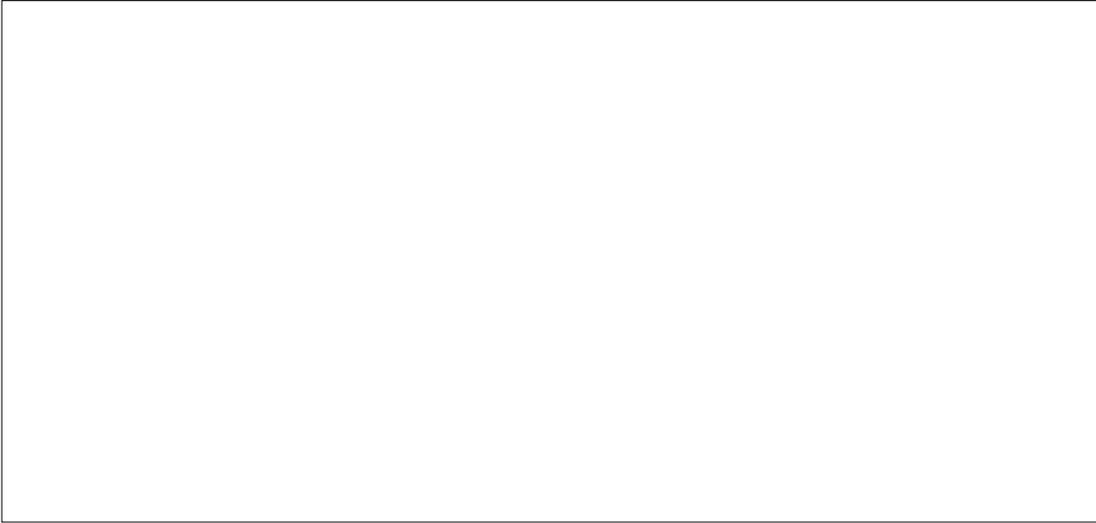
- How is this transmission controlled?

- Where is the transmission control module located?

19. Record the transmission control module location.

- How is the transmission control integrated with the ADAS system(s) on the vehicle?

Review transmission-related data stream and codes. Write down your findings in the space provided.



Self-evaluation.

- How do you think you did on this activity?

