

AV Signal Capture

Date:

Your first name:

Your last name:

Owner first name:

Owner last name:

Vehicle make:

Vehicle model:

Vehicle year:

Vehicle engine:

Objective:

To use tools to capture communication signals.

- AV-equipped vehicle
- Applicable tools and equipment

Instructions:

In this activity you will use an instrument to test the communication signals of components that are part of an AV system.

General Information and Equipment:

- What AV feature are you working with?

- What specific AV components are you testing?

- Gather the needed tools and equipment for this activity. List the tools and equipment required for testing.

- What instrument are you using?

Testing:

- What communication protocol is being used?

- What are the circuit numbers for the communication lines?

- What type of signal was captured? (Voltage/current/frequency/something else)

- What action would cause the signal to change?

- Describe what a change in the signal would look like.

- What would be the results of an open in the signal circuit?

- What would be the result of a short to ground in the signal circuit?

- What would be the result of a short to power in the signal circuit?

- What would be the result of a cross-short on the signal circuit?

Finalizing:

- Did you encounter any problems during this activity?

- If so, what?

- What did you do to correct the problem(s)?

Instructor approval and comment: