Liability, safety, and service tools

And Documentation.

You should be able to:

- Pass relevant ASE tests.
- Understand why proper documentation is important.
  - Liability, evidence of proper repair etc.
- Properly complete a work order.
  - The three C’s
- What documentation should accompany an ADAS repair and/or calibration.

Special considerations with ADAS.

- ADAS is heavily involved with safety systems and vehicle safety in general.
- Repairs and calibrations/adjustments **must** be properly document.
  - A golden rule: If it isn’t documented it did not happen.
- Something goes wrong, burden of proof will be on the shop and/or technician.

ADAS preliminary.

- All the usual pre checks.
  - Test drive
  - Do you need to do an alignment before further ADAS work?
  - Tires?
  - Windshield replaced?
- Walk around, document.

ADAS documentation.

- Review any prior service or repair work performed on the vehicle.
  - Collision repairs in particular.
- If service history is unavailable, perhaps speak with the customer.
  - Watch out for “auction vehicles”. There may be hidden problems.

ADAS documentation.(cont)

- You should perform a scan using a capable scan tool before any repair and/or calibration work is performed.
- Print out or screen capture any DTCs and related data whether related to the ADAS systems or not.
  - Pay particular attention to any communications (U) codes.

ADAS documentation.(cont)

- In short, when you are done, there should be complete documentation available.
  - History.
  - Existing problems.
    - Pictures are nice.
  - Service/calibration work performed.
    - Pictures are nice.
  - Result of the calibration, including equipment used.

Performing the work.

- Before you begin the actual work, make sure that what you plan on doing will actually address the problem present.
  - Are there repairs that must be performed before a successful calibration can take place?
    - Create estimate, get approval to perform the work.
      - Do not perform substandard repairs.
        - Remember liability!

Performing the work (cont)

- Do you have:
  - The necessary equipment?
  - The necessary service information?
  - Suitable facilities?
  - Sufficient knowledge and understanding?
    - If you don’t have all of the above, don’t waste your time. You will very likely not be successful.

Homework.

- On Brightspace.
  - Liability, safety, and service tools.
    - Please submit the homework before it is due.