



BETTER SETUP. BETTER CALIBRATION. BETTER RESULTS.

7StepBox helps technicians establish accurate vehicle reference lines. Leading to target placement that is faster, easier, and with confidence.



WHAT IS 7STEPBOX?

7StepBox is a system that helps technicians establish a clear, repeatable reference box around the vehicle using our brackets and basic measurement tools.

It makes target placement accurate, repeatable, and teachable.

Learning Labs, Inc.
Equipping Educators and Empowering Students!
www.LLI.com 800-334-4943

WHY IT MATTERS



MORE ACCURATE

Visual reference lines eliminate guesswork and reduce setup errors.



FASTER SETUP

Up to 60% faster than traditional target placement systems.



EASIER ON TECHNICIANS

Lightweight, portable, and simple to use — less strain, less frustration.



BETTER FIRST-TIME RESULTS

Accurate setup leads to accurate calibration.



GREAT FOR TRAINING

Makes ADAS geometry visible and easy to teach.

THE PROBLEM WITH TRADITIONAL METHODS



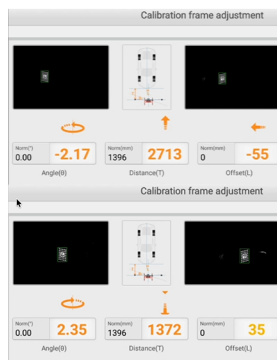
Moving large frames and re-checking measurements wastes time.



No clear visual reference makes it difficult to line up targets consistently.



Slow setup means fewer calibrations per day and lost revenue.



A passed calibration screen does not mean the setup was correct. No warning light or trouble code does NOT mean the ADAS is properly calibrated.

PERFECT FOR



SHOPS

Reduce setup time.
Increase capacity.
Increase profit.



SCHOOLS

Teach ADAS the right way from the very beginning.



TECHS

Lightweight system that goes wherever you go.

THE TIME YOU SAVE = PROFIT YOU KEEP



SAVE 24 MINUTES PER DAY

If a shop does 2 calibrations on average per day:

24 minutes/day × 300 working days

**= 7,200 MINUTES
= 120 HOURS
A YEAR!**

REGAINED LABOR TIME

120 HOURS × \$200 / HR
= \$24,000

IN LABOR OPPORTUNITY EACH YEAR



ADDITIONAL REVENUE POTENTIAL

Add 1 calibration every 2 days = 2 extra calibrations per week

2 × \$250 GROSS PROFIT = \$500 / WEEK × 52 WEEKS

= \$26,000
ADDITIONAL CALIBRATION REVENUE POTENTIAL



7 STEP ADAS – EDUCATE · EQUIP · EMPOWER

LEARN THE METHOD.
USE THE RIGHT TOOLS.
GET IT RIGHT THE FIRST TIME.



7stepadas.com
info@7stepadas.com
(908) 251-9077



SCAN TO LEARN MORE

ADAS Is Not Magic. It's a Process.

7 Step ADAS Classroom + Lab Session
Understanding ADAS Calibration Geometry and Target Placement

Sensors don't guess. Cameras don't assume. Calibrations don't forgive bad setup.



1 What Is ADAS?

ADAS stands for Advanced Driver Assistance Systems. These systems use a combination of lidar, cameras, radar, ultrasonic sensors, steering angle data, vehicle networks, and software to help improve driver awareness and vehicle safety.



Cameras



Radar



Sensors



Vehicle Networks



Software

Purpose: Help the driver avoid collisions, stay aware, maintain lane position, monitor surroundings, and improve safety.

2 The Technician's Real Job

The scan tool or services do not replace the technician.

1 What system is on the vehicle?

Forward camera, radar, blind spot, surround view, parking assist, lidar.

2 Service being performed?

Windshield replacement, bumper removal, suspension work, body repair, alignment, ride height, sensor removal, battery voltage, post repair conditions.

3 What requirements exist?

Service information, scan tool, calibration type, target placement, work area conditions, pre-scan, post-scan, and road test.

3 The ADAS Service Loop



Identify

ADAS systems and related sensors.



Research

Pull the correct manufacturer procedure service.



Prepare

Vehicle, battery support, scan tool, tires, ride height, work area, targets.



Calibrate

Follow the procedure. Do not shortcut the setup. Validate it!



Verify

Post-scan, test drive, system operation check.



Document

Photos, scan results, calibration results, measurements, final notes.

4 Today's Lab Flow



- ✓ ADAS overview
- ✓ System identification
- ✓ Service loop discussion
- ✓ Calibration triggers
- ✓ Why geometry matters



- ✓ RC car demonstration
- ✓ Vehicle centerline
- ✓ Parallel lines
- ✓ Target placement basics
- ✓ Why small setup errors matter



- ✓ Identify vehicle systems
- ✓ Build the game plan
- ✓ Prepare the work area
- ✓ Establish target placement
- ✓ Walk through calibration
- ✓ Verify and document



A passed calibration screen does not automatically mean the setup was correct.
Correct ADAS work starts before the scan tool says 'pass.'