

Autocare EPA Guidance

EPA Skills Set-up



Autocare EPA – additional set up advice for centres

The assessment plan for the Autocare EPA skills assessments states the following is required for each Apprentice:

- >Inspection of the vehicle with 5-8 faults introduced
- >Replacement of parts from 2 groups
- >Replacement of one low profile tyres (50 aspect ratio or less)
- >Repair of one low profile tyre (50 aspect ratio or less)
- >Balance Wheels
- >Reset Tyre Pressure Monitoring system
- >Four Wheel Geometry (including either rear or front camber)
- >Stock control task

We have found the best way to set this up, is having most tasks put on the same vehicle.
(each apprentice sitting EPA has their own vehicle to work on)

The wheel alignment task and stock control task would be set up separately.

As an example, the best way to make this work easier for each of your apprentices is to set this up as described below (we recommend 2 apprentices for your first sitting on Autocare so you can see how it works and then if confident you can adequately resource, up to 3 apprentices at the same time afterwards)

Below is typical example of an Autocare set up using the principles discussed above.

Please note the below is an example. The actual set up will differ slightly depending on the set-up instructions you receive from the Assessor.

Inspection:

Each apprentice needs a vehicle with:

- A set of worn discs and pads.
- An inoperative faulty or blown light.
- An unsecured steering rack gaiter.
- A punctured ultra-low-profile tyre (50% aspect ratio or below) fitted to the vehicle.
- A worn or damaged ultra-low-profile tyre (50% aspect ratio or below) fitted to the vehicle.

- TPMS warning light illuminated in the vehicle.
- A split wiper blade.
- The vehicle's specification sheet printed out.
- Access to a computer, internet, and a printer

Replacement of components

- A set of replacement discs and pads, suitable for the vehicle.
- Another two sets of replacement discs and pads, which are not suitable for the vehicle.
- A charged replacement battery, suitable for the vehicle.
- Another two batteries, which are not suitable for the vehicle.

Replace and repair tyres

- Spare tyres, which are not suitable for the vehicle.
- A replacement tyre that is suitable for the vehicle

Four-wheel geometry (set up on a separate vehicle)

The vehicle's front Toe and rear Camber must set so they are outside manufacturer's specification.

The adjustment method must be via the vehicle's mechanical adjusters, not via the use of shims.

Summary

To summarise, **each apprentice** will need vehicles which have the prescribed faults present and the following:

- Low profile tyres (50 aspect ratio or less)
- A tyre pressure monitoring system which can be triggered and reset easily – vehicles with active systems which do not require the vehicle to be driven as part of the reset procedure are advisable. (Please note we do not recommend aftermarket TPMS kits)
- Spare tyres which are the same as the vehicles you are using on EPA.

Then, you will need at least one vehicle set up for the wheel alignment which has adjustable camber (preferably both front and rear)

If you are considering purchasing training vehicles to use on Autocare EPA, you can contact our Technical Advisor for advice.

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