

	Date	08/2023	JLRP00238v3
	Service Compliance Notification		
Subject	Requirement for 12V Battery Conditioners and Battery Care	Models	All

To: All Authorized Repairers, National Sales Companies, Regional offices and Importers

For the Attention of: The Managing Director

Copies to: The Service/After-Sales Director/Manager
The Parts Director/Manager
The New Vehicle Sales Director / Manager

Dear Colleagues,

This Service Compliance Notice (SCN) is being issued to inform you of the minimum requirements for 12V battery conditioning equipment and battery care to make sure the correct equipment and processes are used to prevent damage to the battery and provide a satisfactory service life for our customers.

What do I need to do?

1. Take immediate action to make sure that all existing workshop 12V battery conditioner, showroom support units and battery test equipment are approved as in the list in section A of this notification.

Any equipment that is identified as not approved must be clearly labeled as ‘Not suitable for use with Jaguar Land Rover vehicles.

2. To make sure the correct battery care requirements are used for absorbent glass mat (AGM)/flooded batteries; refer to the process information within section B of this notification.
3. To make sure the correct battery care requirements are used for 12V Li-ion batteries; refer to the process information within section C of this notification.

Note – Some approved units are not available for sale.

A. New Minimum Equipment Definitions and Specifications and approved equipment

Any retailer or authorized repairers who do not have the required equipment must order them immediately.

Jaguar Land Rover recommends that you order from our tool supplier partner: Bosch Automotive Solutions. Equipment can be ordered from the Bosch web shop at <https://jlrequipment.servicesolutions.com> or sourced locally.

Note – Some approved devices are not available for sale but are still approved for use on Jaguar Land Rover vehicle lines. Check the Bosch web shop for available units and the tooling and equipment minimum standard list for the market.

Note - Each of the approved devices described have been designed for a specific purpose - they are not interchangeable unless their specifications explicitly state that they are multi-function.



Note - Refer to manufacturer user instructions for device for correct settings and operational requirements.

Note - All electrical equipment should be certified in accordance with the requirements of the market in which they are used.

1. 12V Battery Conditioners:

These approved units are intended for the workshop environment to provide voltage to prevent the vehicle 12V system becoming discharged. A discharged 12V battery could lead to damage during module reprogramming, failures during the diagnostic processes and customer dissatisfaction. As a result, a 12V battery conditioner must be used every time that a diagnostic interaction is performed on a vehicle.

A 12V battery conditioner may have differing features and compatibility dependent on the design intent of the unit. For example, Li-ion/Lead Acid chemistry and charge/support/recovery feature or any combination.

Below is a brief description of 12V battery conditioner features:

- Battery Support – Intended to maintain the vehicle 12V battery state of charge (SoC) during workshop activities.
- Battery Charge – Intended to increase the vehicle 12V battery SoC. This can include smart charging where the unit is capable of monitoring charge acceptance and charging to an approved profile.
- Battery Recovery - Intended to recover a 12V battery from a critically low SoC and charge.
- Diagnostics – Perform an assessment as to the serviceability of the 12V battery.
- Vehicle 12V Circuit Recovery – This is specific to a vehicle with a 12V Li-Ion battery. The battery has an internal contactor that has opened to prevent battery damage. This feature provides voltage to the vehicle in an open contactor state for a diagnostic session to take place.

The feature must only be used in the correct application. For example, do not use a unit in charge mode if the intention is to only perform a session.

Approved Units:

Note - All electrical equipment should be certified in accordance with the requirements of the market in which they are used.

Note - All of the approved support units highlighted (*) are suitable for use on vehicles with 12V Li-ion batteries.

* **Note** - Make sure the user instructions are followed to set these 12V battery conditioner to "Support" mode when used as power supplies

- Midtronics CX-Pro 50
- Midtronics GRX-3080 * (with latest software installed, detailed in JLRSS060)
- Midtronics GR8 (US and Japan only) (with latest software installed, detailed in JLRSS073)
- Traction BSU2-50/B *
- Traction BSU2-125
- Traction MPL-50
- Activa Professional flash fronius 70 Amp (PF)
- Midtronics PSC 700 (US and Japan only)
- Traction MPL50 Li * (with latest software installed, detailed in JLRSS092v2)

-
- SuTech SPIC50 * (with latest software installed, detailed in JLRST092v2)

2. **Showroom Support Units:**

These approved units are designed to be used in the showroom to maintain the battery charge. Every vehicle in the showroom that may be used to demonstrate electrical functions of the vehicle must be connected to a showroom support unit.

Approved Units:

Note - The requirement is that every demonstrator vehicle in the showroom must be connected to a showroom support unit, this can be any of the approved units defined in the list below.

Note - Authorised repairers without a sales/showroom facility are exempt from this requirement.

Note - All electrical equipment should be certified in accordance with the requirements of the market in which they are used.

Note - All of the approved support units highlighted (*) are suitable for use on vehicles with 12V Li-ion batteries:

- Midtronics CX-Pro 50
- Midtronics PSC 700 (US only)
- Traction SSU2-50 *
- Traction SSU2-50/B (later unit with built in over-voltage and temperature protection) *
- Traction SSU2-50/S *

3. **Battery Testers:**

Caution - Refer to TOPIx for the test procedure for 12V Li-ion batteries, DO NOT use conventional off-board testers on Li-ion batteries.

The following approved battery testers are the only approved for AGM/flooded batteries.

The Midtronics EXP1080 battery tester is mandatory, although the Midtronics GR8 and GRX 3080 testers are approved for use in different markets where available.

The Midtronics EXP-1080 is the mandatory equipment, primarily for the 30-day battery care requirement, retailers should consider using the GRX-3080 for any customer vehicle battery diagnosis to ensure a thorough diagnosis is made.

Approved Units:

Note - To make sure the battery testers have the correct software level.

Note - All electrical equipment should be certified in accordance with the requirements of the market in which they are used:

- Midtronics EXP-1080
- Midtronics GRX-3080-JLR
- Midtronics GR8 (US and Japan only)

The Table below identifies which units are approved for which activity.

Equipment Name	AGM/flooded batteries					12 V Li-ion batteries			
	Battery Support	Showroom Support	Battery Charge	Battery Recovery	Battery Tester	Battery Support	Showroom Support	Vehicle 12V Circuit Recovery	Battery Charge
Midtronics CXPro 50				X	X	X	X	X	X
Midtronics EXP1080	X	X	X	X		X	X	X	X
Midtronics GRX3080		X					X	Select Lithium Recovery Mode on unit	
Midtronics GR8 (US and Japan only)		X				X	X	X	X
Traction BSU250/B		X	X	X	X		X	X	X
Traction BSU2125		X	X	X	X	X	X	X	X
Traction MPL-50		X		X	X	X	X	X	X
Acctiva Professional flash fronius 70 Amp (PF)		X		X	X	X	X	X	X
Midtronics PSC 700 (US and Japan only)				X	X	X	X	X	X



Traction MPL50 Li		X		X	X		X		
SuTech SPIC50		X		X	X		X		
Traction SSU250	X		X	X	X	X		X	X
Traction SSU2-50/B (later unit with built in overvoltage and temperature protection)	X		X	X	X	X		X	X
Traction SSU250/S	X		X	X	X	X		X	X

B. Battery Care Requirements - AGM/flooded batteries

All retailers and Authorized repairers must comply with the battery care requirements.

The Battery Care Requirements document is available in TOPIx and defines the requirements for care and maintenance of vehicle batteries and the standards of care required at retailers and authorized repairers for all vehicles.

See TOPIx Workshop manual, section; 414-00: Battery and Charging System - General Information - Description and Operation - Battery Care Requirements.

The information applies to all types of 12V Lead Acid Batteries used in Jaguar and Land Rover vehicles whether they are conventional flooded technology or Absorbed Glass Mat (AGM – also known as Valve Regulated Lead Acid (VRLA)) technology and also applies to Primary, Secondary and Auxiliary Batteries.

The Battery Care Requirements document covers the following areas in further detail:

- General rules for battery care and Health and safety precautions
- Retailer Showroom/Demonstration Vehicles
- Software programming, diagnostic work or Ignition On related workshop activities
- Extended Vehicle Rework
- Jump Starting New vehicles before they have been delivered to the customer
- AGM Batteries
- Receipt of a new vehicle & new vehicle storage
- PDI / delivery to customer
- Battery maintenance, testing, charging and replacement

C. Battery Care Requirements - 12V Li-ion batteries

All retailers and Authorized repairers must comply with the battery care requirements.

The Battery Care Requirements document is available in TOPIx and defines the requirements for care and maintenance of vehicle batteries and the standards of care required at retailers and authorized repairers for all vehicles.



See TOPIx Workshop manual, section; 414-00: Battery and Charging System - General Information - Description and Operation - Battery Care Requirements – Vehicles with: 12V Li-ion Startup Battery.

The information applies to 12V Li-ion Startup Batteries used in Jaguar and Land Rover vehicles.

The Battery Care Requirements document covers the following areas in further detail:

- General rules for battery care and Health and safety precautions
- Retailer Demonstration Vehicles
- Software programming, diagnostic work or Ignition On related workshop activities
- Extended Vehicle Rework
- Jump Starting New vehicles before they have been delivered to the customer
- 12V Li-ion Startup Batteries
- Receipt of a new vehicle & new vehicle storage
- PDI / delivery to customer
- Battery maintenance, testing, charging and replacement

We appreciate your continued support and cooperation,

Yours faithfully

Dr. Murat Tursun

Technical Strategy Senior Manager



bWh1bnQ1OzlwMjMMDYiMjFUMDg6Mjc6MTguNDIxWjssNDcuMTYxLjE2Ni4xMTg7
