



ZERO S™
ZERO SR™
ZERO SR/F™



ZERO MOTORCYCLES SERVICE MANUAL

8811935-AI



S, SR & SR/F SERVICE MANUAL

© 2025 Zero Motorcycles, Inc.

All rights reserved. Information contained in this document is based on the latest information available at the time of printing and is subject to the copyright and other intellectual property rights of Zero Motorcycles Inc. No part of this document may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise. These materials must not be modified or reposted to other sites, without the prior expressed written permission of the copyright holder.

EMEA (Europe, Middle East, Africa) Disclaimer

This Service Manual has been drawn up by Zero Motorcycles Inc. and is intended for and addressed to technicians authorized by Zero Motorcycles to provide services or to other independent operators that are (in)directly involved and in the repair or maintenance of vehicles, who are in any case properly trained to provide repair and maintenance services and have specialized knowledge of mechanics principles and vehicle fixing techniques and procedures.

The Zero motorcycle contains high voltage components that should be treated with extreme caution. Exposure to high voltage can cause shock, burns, and even death. Operating, servicing and maintaining a Zero motorcycle can expose one to chemicals including engine exhaust, carbon monoxide, phthalates, which can lead to reproductive harm. Zero motorcycles should at all times, and only be serviced by specially trained and skilled technicians.

This Service Manual is not intended for owners. Zero motorcycles' owners are expressly recommended to consult the relevant Owner's Manual accompanying the motorcycle, which is designed to provide owners with a better understanding of the operation, inspection, and basic maintenance requirements of the motorcycle. Damage, malfunctions, or performance problems caused by the failure to follow recommended repair, service and maintenance requirements stipulated in the Owner's Manual, are not covered by the Zero Motorcycles Limited Warranty.

Zero warrants that all original, factory-produced Zero motorcycles are free from defects in material and workmanship, pursuant to the applicable Limited Warranty conditions stipulated in the Owner's Manual accompanying the motorcycle. Zero strongly recommends to have all maintenance and repair services carried out by authorized Zero dealers or service partners. Damage, malfunctions, or performance problems caused to the motorcycle due to or after service or repair by an unauthorized service provider, or due to the improper service, repair or installation of parts/accessories not sold or approved by Zero or altering the motorcycle's specifications from those set by Zero, are not covered by the Zero Motorcycles Limited Warranty.

01 General Information

How To Use This Manual	01-1
Important Repair Information	01-2

10 Maintenance and Safety

Maintenance Intervals

Maintenance Intervals	10-1
-----------------------------	------

Lockout Procedure

Lockout Procedure	10-2
-------------------------	------

Drive Belt Handling Guidelines

Drive Belt Handling Guidelines	10-3
--------------------------------------	------

Adjust Drive Belt

Drive Belt - Adjust	10-4
---------------------------	------

Brake Maintenance Procedures

Brake Bleeding Procedure (Front)	10-7
--	------

Brake Bleeding Procedure (Rear)	10-8
---------------------------------------	------

Brake Bedding	10-9
---------------------	------

Key Programming

Key Programming	10-10
-----------------------	-------

Motor Commissioning

Motor Commissioning	10-12
---------------------------	-------

Motor Controller Firmware Update

Motor Controller Firmware Update	10-15
--	-------

20 Power Pack

Power Pack

Power Pack	20-1
------------------	------

BMS (Battery Management System) [Before 2022MY]	20-5
---	------

Battery Management Unit (BMU) [22MY Onwards]	20-13
--	-------

Power Pack Battery Signal Harness [Before 2022MY]	20-14
---	-------

Power Pack Accessory Power Bus [Before 2022MY]	20-18
--	-------

Power Pack Heat Sink Skins [Before 2022MY]	20-25
--	-------

Service Cover [22MY Onwards]	20-28
------------------------------------	-------

Front Cover [22MY Onwards]	20-28
----------------------------------	-------

Rear Cover [22MY Onwards]	20-29
---------------------------------	-------

Mid Pack Protection Unit [22MY Onwards]	20-29
---	-------

Top Cover [22MY Onwards]	20-30
--------------------------------	-------

Cooling Fan [22MY Onwards]	20-31
----------------------------------	-------

Assembly Cell Management Unit (CMU) [22MY Onwards]	20-32
--	-------

Power Leads - Positive & Negative [22MY Onwards]	20-34
--	-------

It's a preview. You can download the full file by clicking the link below.

<https://shopservicemanual.com/>

Service Manuals from 2\$