



**HARLEY-DAVIDSON V-ROD**  
**SUPERCHARGER KIT**  
**(PATENT PENDING)**



**INSTALLATION INSTRUCTIONS**

**SPECIFICATIONS AND MAINTENANCE**  
**WARRANTY (LIMITED) AND LIMITATION OF LIABILITY**

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## **IMPORTANT INFORMATION**

### **PRODUCT WARNING**

**Installation of the Sprintex® Supercharger kit may void all or parts of Harley-Davidson's warranty. Customers should consult their Harley-Davidson dealer for details. Your Sprintex® Supercharger Installation can only be carried out by an Authorised Sprintex® Approved Supercharger Specialist.**

Sprintex makes no representation that installation and use of the Sprintex Supercharger kit is legal for road use worldwide. Customers should check that installation and use of the Sprintex Supercharger kit is legal in by contacting the relevant statutory authority in their jurisdiction.

Provided in this installation manual are detailed instructions to the installer on how to install the Sprintex® patent pending supercharger kit to the Harley-Davidson V-Rod. The instructions are aimed at being simple yet informative, and are aided with well presented pictures to make installations as simple, fast, and problem free as possible. Please read the entire instruction manual prior to beginning the installation procedure. Pictures and descriptions may vary slightly from model to model.

It is recommended that all wiring harness connectors, and vacuum hoses are labelled at the time of removal for easy and correct refitting. Some components that are removed and are to be refitted are fragile, and should be stored safely to prevent damage to these components.


Sprintex recommends performing the following vehicle checks prior to installing the supercharger. 1) Check that the factory fuel system is operating correctly. 2) Inspect the factory exhaust catalyst for blocks or damage, and 3) Check fuel quality in fuel tank ensuring that it is not stale or low octane fuel. Replace with a higher octane, 93OCTANE Premium Unleaded Gasoline/Fuel as required. It is also recommended to replace the fuel filter if the vehicle has travelled more than 15,000Kms.

Sprintex will not be liable for any loss, damage, payment, costs, expenses or other liability, not expressly stated in this document. In particular, Sprintex shall not be liable to any person for any consequential, indirect or economic loss or punitive or exemplary damages of any kind.

Sprintex reserves the right to change specifications from time to time and will not be liable to any person for doing so. Sprintex believes that information in this document is correct at time of print. Sprintex limits its liability to the maximum extent permissible at law with regard to the reliance which any person places on anything in this document.

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## **SAFETY WARNING**

Your Sprintex® Supercharger Installation can only be carried out by an Authorised Sprintex® Approved Supercharger Specialist. No unauthorised service or alteration may be undertaken to the Sprintex® Supercharger. Installation should be carried out in a workshop which is a safe, ventilated working environment with equipment and procedures compliant with local authority guidelines and legal requirements. Authorised Sprintex® Approved Supercharger Specialists are required to hold current worker's injury insurance. Installers should ensure adequate hearing, eye, and physical protection is used at all times during the installation process. Installers should take reasonable precautions to avoid fatigue and closely follow the installation instructions during every installation. Sprintex recommends installation should not be carried out unsupervised. Sprintex, its directors, employees and agents will not accept liability for damage accident or injury resulting from the installation process. Safety warnings are provided throughout this document indicated by a .

## **WARNING**

THIS SPRINTEX® INSTALLATION REQUIRES A STANDARD HARLEY-DAVIDSON FACTORY ECU CALIBRATION TO BE INSTALLED PRIOR TO THE INSTALLATION OF THE SPRINTEX® SUPERCHARGER KIT®. FAILURE TO ENSURE THIS WILL AFFECT THE PERFORMANCE AND MAY VOID YOUR WARRANTY.

SHOULD YOU BE UNSURE RETURN YOUR MOTORCYCLE TO YOUR NEAREST HARLEY-DAVIDSON DEALER TO ENSURE THE STANDARD CALIBRATION HAS BEEN REINSTATED AND IS OPERATING CORRECTLY.

## **SAFETY WARNING!**

**Do not start or run your Sprintex Supercharged V-Rod without the Belt cover installed – Belt or pulley failure without the Belt cover installed may result in injury, accident or death.**

Sprintex supports safe riding so always remember to observe all speed limits and road rules relevant to your state or city. Always wear appropriate safety equipment when riding.

**WARNING:** Fitment of this kit to your Harley-Davidson V-Rod may affect the manufacturer's warranty. Customers in doubt should check with their Dealer. Sprintex does not warrant that purchase, use or installation of this kit is legal for use worldwide. Customers should refer to their statutory authority in their local jurisdiction prior to using this kit for public road use.

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## **WARRANTY**

### **MUST BE INSTALLED BY AN AUTHORISED SPRINTEX® APPROVED SUPERCHARGER SPECIALIST**

#### **1. WARNING**

Your Sprintex® Supercharger Installation can only be carried out by an Authorised Sprintex® Approved Supercharger Specialist. No unauthorised service or alteration may be undertaken to the Sprintex Supercharger kit® or standard motorcycle Specification. Any modification or alterations from the Sprintex or Harley-Davidson specification will void your Warranty.

#### **2. FUEL SPECIFICATIONS V ROD®**

Minimum 93OCTANE Premium Unleaded Gasoline/Fuel

#### **3. SUPERCHARGER BELT AND PULLEY**

Must be inspected at every routine service and the belt replaced when required.

#### **4. OIL SPECIFICATION (ENGINE ONLY)**

<b>Harley-Davidson Type</b>	<b>Viscosity</b>	<b>Harley-Davidson Rating</b>	<b>Lowest Ambient Temperature</b>	<b>Cold Weather Starts Below 50F (10C)</b>
HD Multigrade	SAE10W40	HD360	Below 40 °F (4 °C)	Excellent
HD Multigrade	SAE20W50	HD360	Above 40 °F (4 °C)	Good

#### **5. SPRINTEX V ROD SUPERCHARGER**

The Sprintex V Rod Supercharger kit warranty provides a guarantee against any manufacturing defect in the parts supplied during the warranty period, 12 months from the date of purchase or 20,000 Kms, whichever occurs first. The warranty guarantees the replacement of any parts of the Supercharger Installation which fail as a result of a manufacturing defect in normal operating conditions and excludes circuit racing, speed trials, drag racing and any form of motor sport activities. In addition, any unauthorised alteration to the motorcycles original specification or failure to meet the approved service requirements will affect your warranty. To make a claim contact your Authorised Sprintex® Approved Supercharger Specialist

#### **6. EXCLUSIONS**

The following items will void your Sprintex Warranty:

- a. Alteration of the Sprintex® Supercharger kit from standard specification
- b. Unauthorised Service or repair works
- c. Fitting of non Sprintex approved replacement parts
- d. Use of non standard air filter
- e. Installation by a person who is not an Authorised Sprintex® Approved Supercharger Specialist

#### **7. LIMITATION OF LIABILITY**

Except to the extent that a warranty is imposed by an applicable law and cannot be excluded, Sprintex gives no other warranty either express or implied as to any matter whatsoever concerning the Sprintex® Supercharger. Sprintex limits its liability under any such warranty to the maximum extent permitted

**\*THIS WARRANTY IS NOT TRANSFERABLE**

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## **CHANGES TO FACTORY SPECIFICATIONS**

**FUEL: MINIMUM 93 OCTANE PREMIUM UNLEADED GASOLINE/FUEL TO BE USED AT ALL TIMES. NEVER ALLOW THE ENGINE TO KNOCK OR DETONATE AS SERIOUS ENGINE DAMAGE MAY OCCUR.**

**SPARK PLUGS: NGK DCPR9E SPARK PLUGS. PLUG GAP TO BE SET TO 0.62mm/0.025”.**

**REQUIRED SERVICE: (SEE MAINTENANCE SECTION OF MANUAL)**

- 1. INSPECT SUPERCHARGER DRIVE BELT AT EVERY ROUTINE SERVICE AND REPLACE WHEN REQUIRED.**
- 2. CHECK SUPERCHARGER OIL LEVEL AT EVERY ENGINE OIL SERVICE.**
- 3. DRAIN AND REPLACE SUPERCHARGER OIL AT EVERY SPARK PLUG SERVICE. IT IS REQUIRED TO REMOVE SUPERCHARGER TO CHANGE OIL AND REMOVE SPARK PLUGS. USE REDLINE 75W/90 HIGH PERFORMANCE FULLY SYNTHETIC GEAR OIL OR EQUIVALENT. IT IS CRITICAL NOT TO OVERFILL SUPERCHARGER GEARBOX AS DAMAGE WILL OCCUR. ONLY FILL UNTIL OIL DRAINS FROM LEVEL PLUG AT BOTTOM EDGE OF SUPERCHARGER GEARBOX COVER.**

## **Intellectual Property used in this Publication**

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## PARTS SUPPLIED



1	Sprintex® Supercharger Kit ©	9	Breather Hoses
2	Joiner blocks / spark plugs	10	Supplementary Injection System
3	Belt tensioner / air filter	11	Radiator cap assembly
4	Drive shaft	12	Drive Belt
5	Support brace	13	Cooling Assembly
6	Drive body	14	Drive Shaft Tool
7	Supercharger Drive Pulley	15	Belt Cover
8	Supplementary Engine Management	16	Instruction Manual

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# **V-ROD SUPERCHARGER KIT®**

## **SECTION 1**

### **DISASSEMBLY INSTRUCTIONS**

## 1. Preparation

- 1.1 Ensure bike is located in a secure position. Sprintex recommends to avoid injury you should secure the bike on a scissor lift or similar bike stand using straps at anchor points provided.

## 2. Purging Fuel System

**ⓘ SAFETY WARNING:** Fuel system is under high pressure. To prevent uncontrolled fuel spray during installation, it is required to purge the system of high pressure fuel. **INADEQUATE SAFETY PRECAUTIONS COULD RESULT IN PERSONAL INJURY OR DEATH.** ENSURE NO POTENTIAL OF EXTERNAL IGNITION SUCH AS NAKED FLAMES, WELDING OR SPARKS ARE OCCURRING IN THE VICINITY PRIOR TO COMMENCING THIS PROCEDURE. YOU SHOULD ENSURE YOU ARE WEARING EYE PROTECTION AND LOW COMBUSTIBLE CLOTHING PRIOR TO COMMENCING THIS PROCEDURE. IT IS RECOMMENDED TO KEEP AN APPROPRIATE TYPE OF FIRE EXTINGUISHER READILY AVAILABLE.

- 2.1 Unlock seat.
- 2.2 Disconnect fuel module connector from fuel tank top plate (1).
- 2.3 Start engine and allow to run.
- 2.4 When engine stalls, continue to turn engine over for approximately 3 seconds using the starter to remove any fuel pressure from the fuel lines.

**ⓘ SAFETY WARNING:** Allow engine to cool prior to proceeding with disassembly to prevent scalding.

