

# Datasheet EML Manhattan Harley Davidson (FLH) trike conversion



## ATTENTION

Follow all instructions in this datasheet where it concerns accessories, maintenance and/or modifications. Always use this datasheet in combination with the original manual that is supplied with your motorcycle.

On this datasheet you will find some data which will help make maintenance at home easier. In cases of extended repair or other issues we recommend you visit your dealer.  
It is advised to have all repair and maintenance done by the official EML dealer. In case of question your dealer is at your service.

Also see [WWW.EMLTRIKE.COM](http://WWW.EMLTRIKE.COM) for possible updates of this datasheet.

Before commencing maintenance/repairs it is advised to clean the trike thoroughly.

Non original accessories and/or modifications, non-professional installation and/or repairs may result in serious injuries or even result in death.

## Wheels and tires

**Front wheel:** Original Harley Davidson, see the original Harley Davidson manual for further info. Tightening information: see Harley Davidson manual.

**Rear wheels:** Tiresize: 225/50 R17-98Y.  
Torque rear wheel bolts: 60Nm.  
Ask your dealer for advice as to allowed alternatives in brands or types of tires.

**Tire pressure:** Front: 2,0 bar. (max. 2,3 bar with heavy load)  
Rear: 0,9 bar. (max 1,5 bar with heavy load)

## Brakes

**Front brake:** This has remained standard and for further information we refer to the original manual that is supplied with your motorcycle.  
**Rear brake:** Check brake pads regularly for wear. Advised is to do this before every ride. The minimum thickness of the pads is 1mm. The minimum thickness of the disc is 4mm. In case of doubt ask your dealer for advice.

When actuating the footbrake, next to the rear brakecalipers also 1 front brakecaliper will be activated. The handbrake lever actuates 1 front brakecaliper.

**Brake fluids:** Change at least 1x per 2 years, check fluid level regularly.  
Since the trike is heavier than the standard motorcycle, brakes will wear a bit faster. Therefore a regular inspection is advised, in case of doubt contact your dealer.

**Parking brake:** The cable setting has to be such that after 4 "clicks", the wheels are fully locked. In case this number is higher, adjustment is needed. In case of doubt, contact your dealer. Although the brakepads for the parking brake are no subject to heavy wear but it is advised to inspect these regularly also. The minimum thickness is 1mm.

## Suspension/Steering damper

**Suspension front:** The fork is original Harley Davidson, see your original Harley Davidson manual for more information.

**Suspension rear:** The rear suspension is provided by the original air-shock. After the trike conversion, the air-shock will have a standard air-pressure of 2 bar. The pressure can be adjusted by the valve which is located in the left trunk. For further information, check the original manual of your Harley Davidson motorcycle.

**Steering damper:** This is non-adjustable and maintenance free. However it is advised to inspect regularly for any damage of the spindle and/or leaks.

## Lightning

Brake / rear light 12V21/5W

Direction indicators rear 12V21W (bulb is colored orange)

License plate lightning 12V 5W, (tube type L=37mm)

The front lightning has remained standard. For further information, please see your original Harley Davidson manual.

## Other

**End transmission:** Belt-drive, for further information we refer to the original Harley Davidson manual.

**Differential:** The differential is maintenance free. It is advised to inspect the differential for damage or leaks. Your dealer can be of assistance with this.

**Options:** - Footwings, these are for optical and water protecting purposes only and are absolutely not intended to step on.  
- Tow bar, the total weight of the hanger including load is max. 250kg. Maximum tow bar pressure is 25kg.  
- Back rest, check backrest lock if it is secured properly for every ride. Backrest should not be movable at all.