HATCON

Installation instructions
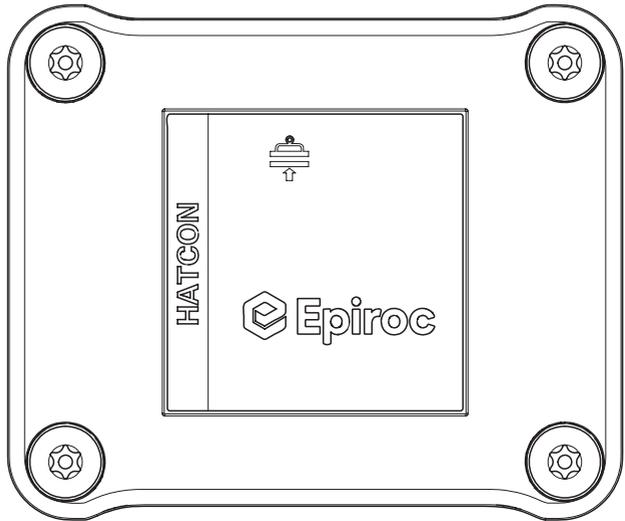
www.epiroc.com/hatcon

Contents

Introduction

Epiroc is a leading productivity partner for the mining, infrastructure and natural resources industries.
With cutting-edge technology, Epiroc develops and produces innovative drill rigs, rock excavation and construction equipment, and provides world-class service and consumables.
The company was founded in Stockholm, Sweden, and has passionate people supporting and collaborating with customers in more than 150 countries.

Construction Tools PC AB
Box 703
391 27 Kalmar
Sweden

Remote monitoring device

⚠ Warning

HATCON contains an activated radio transmitting device (SIM card) and an encased lithium ion battery. Both parts are regulated for air transport.

► Consult your forwarder or local customer center/dealer about any restriction for air freight.

⚠ Warning

Sudden movements of the carrier may cause serious injury, if the hydraulic attachment is mounted to a carrier.

► Secure the carrier such that it cannot move unexpectedly.

► Observe the carrier manufacturer's instructions.

Disposal

All waste products must be treated and scrapped in such a way that the greatest possible portion of the material can be recycled and any negative influence on the environment is kept as low as possible.
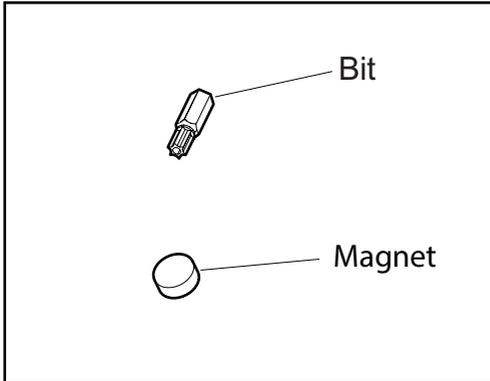
► Follow your local regulations regarding electronical waste.

Before installation

► Make sure the hydraulic attachment is switched off.

► Make sure the hydraulic attattchment is depressurized, see safety and operating instructions.

Special tools

Bit is for tigtening the screws. Magnet is for activation.

My Epiroc

You will need a My Epiroc account to pair and registrate your HATCON device.
If you already have a My Epiroc account, log in to your account to set up your HATCON device.
If you do not have a My Epiroc account, contact your customer administrator (or customer center administrator) to begin the onboarding process.

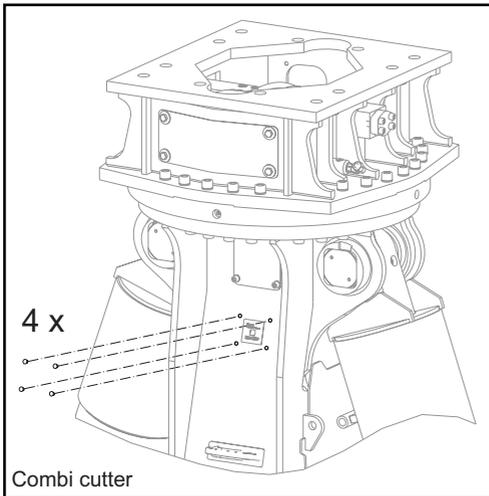# Pairing and activation of HATCON

When you have a My Epiroc account you will find instructions how to pair and activate HATCON within My Epiroc APP. You should do the pairing and activation before installation.
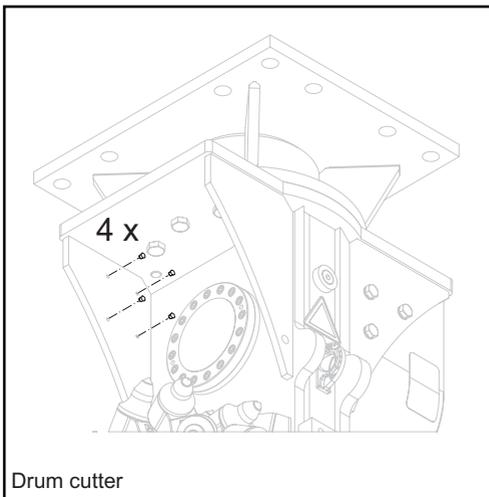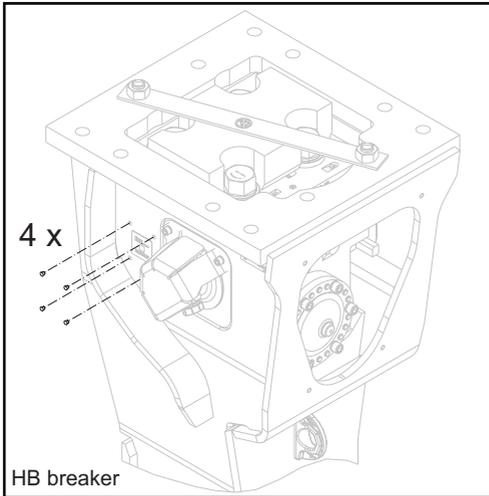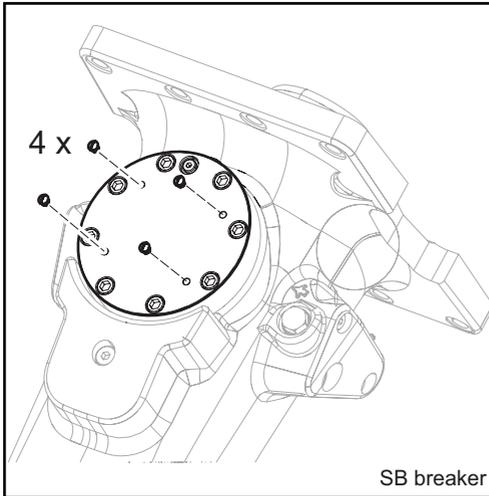You should see flashing diodes which indicate activation has started.

Installation steps

If your product has prepared mounting holes, go to step 1. If not, check HATCON Assembly instructions in **DocMine** for hole positioning. For machines with old accumulator houses without the prepared holes please replace accumulator house with new accumulator house. Before dismounting accumulator house, please refer to overhauling instructions in **DocMine.**
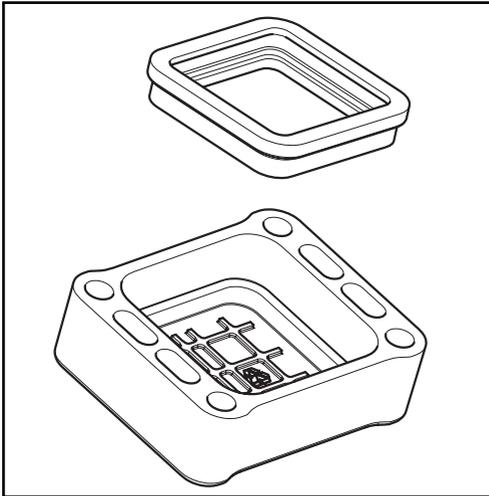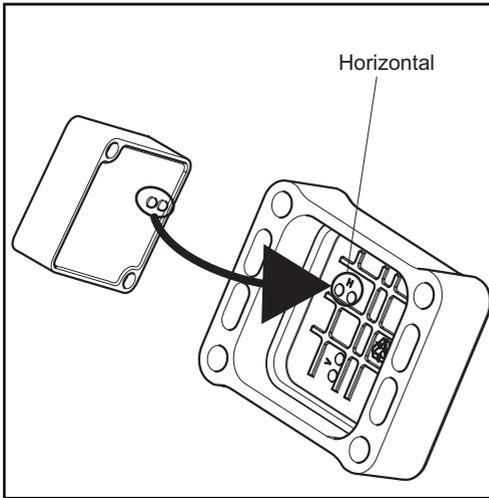
1. Remove the plugs from the mounting holes.

4 x

Combi cutter

HB breaker

Drum cutter

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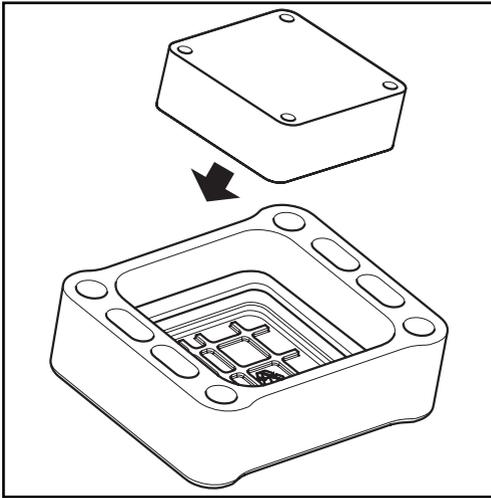SB breaker

2. Mount the damper ring into the adapter.

3. Match the diodes of the HATCON module to the holes marked with H, if your machine has horizontal mounting direction.
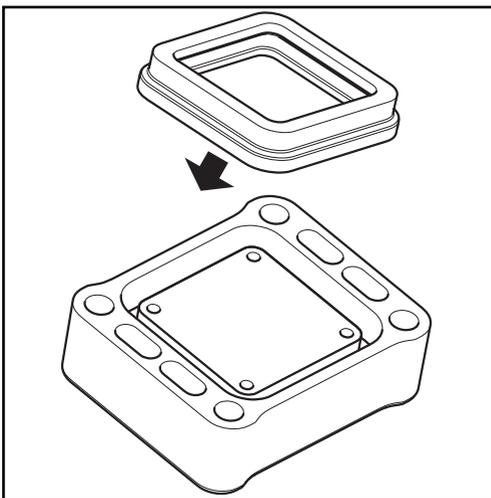
Horizontal

Match the diodes of the HATCON module to the holes marked with V, if your machine has vertical mounting direction.
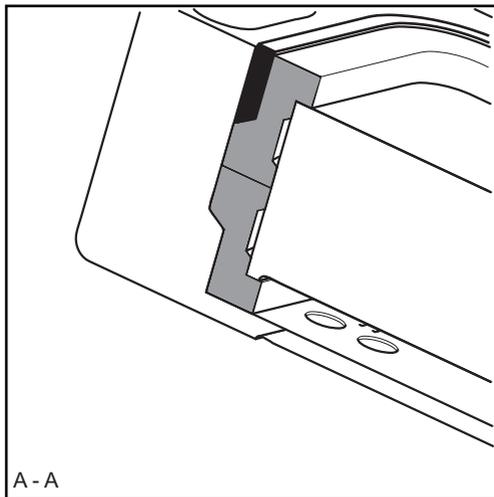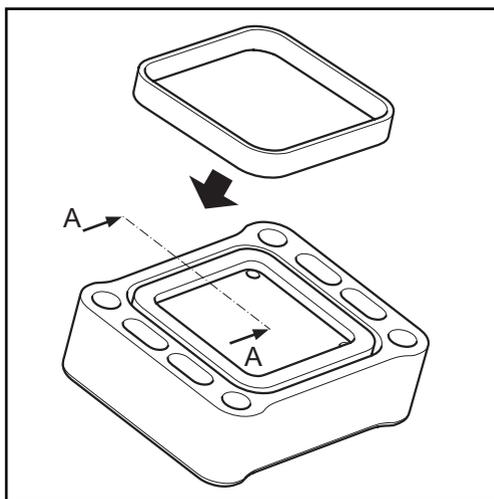
Vertical
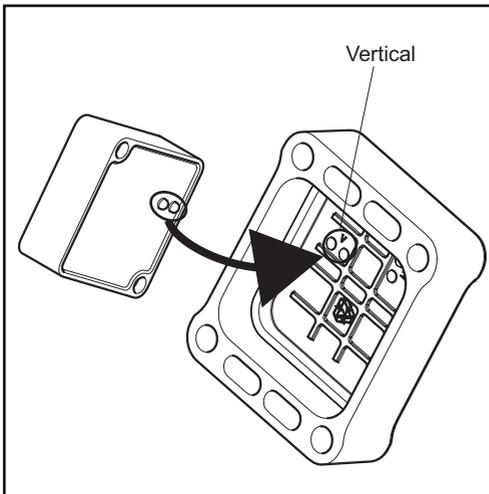
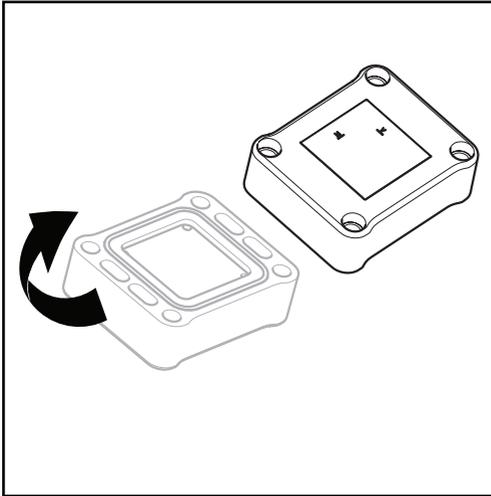4. Mount the module.

5. Mount the second damper ring.
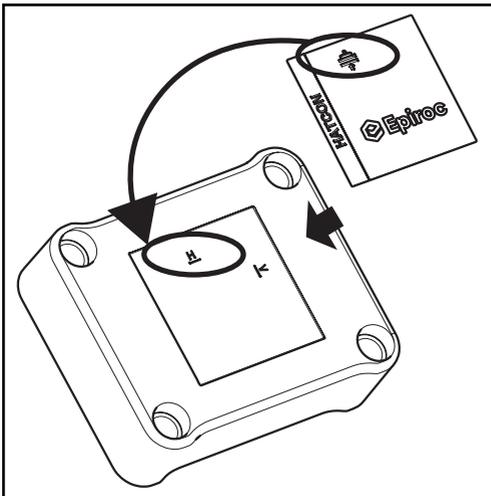
6. 1. See A-A for mounting direction for the counter ring.

A - A

2. Mount the counter ring, with chamfer side down-wards according to A-A.

A

A
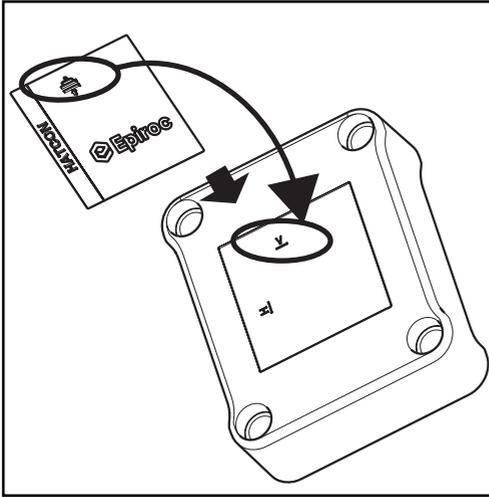
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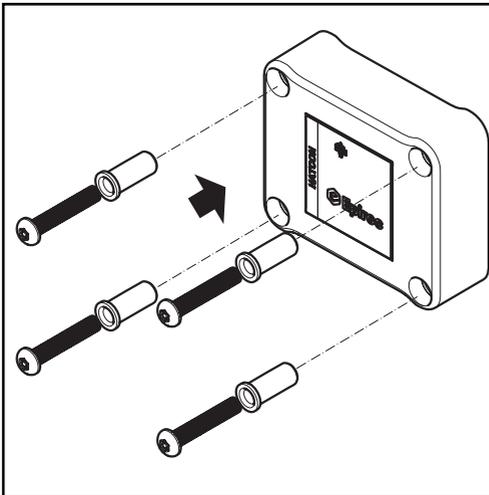7. Turn them over so the marks are facing you.

8. Place the label. *Notice:* match the activation area with H if your machine has horizontal mounting direction.

Notice : Or match the activation area with V if your machine has vertical mounting direction.

9. Use the bit to assemble the sleeves (4x) first, and then the screws (4x), with tigthening torque 22 Nm (16.2 ft lbs).

Technical data

Battery lifetime	3G/2G Typical 3000 reports based on 1 report/day
	LTE Typical 4000 reports based on 1 report/day
Network technology	3G/2G penta-band (850/900/1800/1900/2100 MHz)
	LTE Cat M1 / GSM EGPRS (850/900/1800/1900MHz)
Antenna, GPS	Internal
Antenna, GSM	Internal
Sensors	Position, Motion, Tilt, Operating hours, 3-axis Shock
LOG	Store-and-forward log, all data including position and sensor data
Operating temperature	-30° C to +85° C (-22° F to +185° F)
Storage temperature	-40° C to +85° C (-30° F to +185° F)
IP rating	IP69K
Battery	B1: Primary lithium, 29 Wh, built-in, encapsulated
	B2: Primary lithium, 28 Wh, built-in, encapsulated
Lithium content	B1: 2.07 g (0.0046 lbs)
	B2: <2 g (0.0044 lbs)
ADR	UN3091
TG7: Battery pack B1 or B2 $T7_{LTE}$: Battery pack B2	

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