

Ford Custom and Ford Transit.



MONTERINGSVEJLEDNING
ASSEMBLY INSTRUCTIONS
MONTAGEANLEITUNG

HANDI-BRAKE



CE

auto products

Version 1,1

General instructions.

Please read the following safety information carefully. Ensure that all staff who are to connect, mount or use the product/products are in possession of the necessary information and that they have access to the instruction. Persons who do not have the necessary experience or knowledge of the product/products must not use the product/products before they have been thoroughly instructed in the use/installation.

WARNING!

Failure to comply with these instructions may result in accidents involving serious personal injury. It is important for everyone who is to connect, install or use the systems to have the necessary information and access to the user manual.

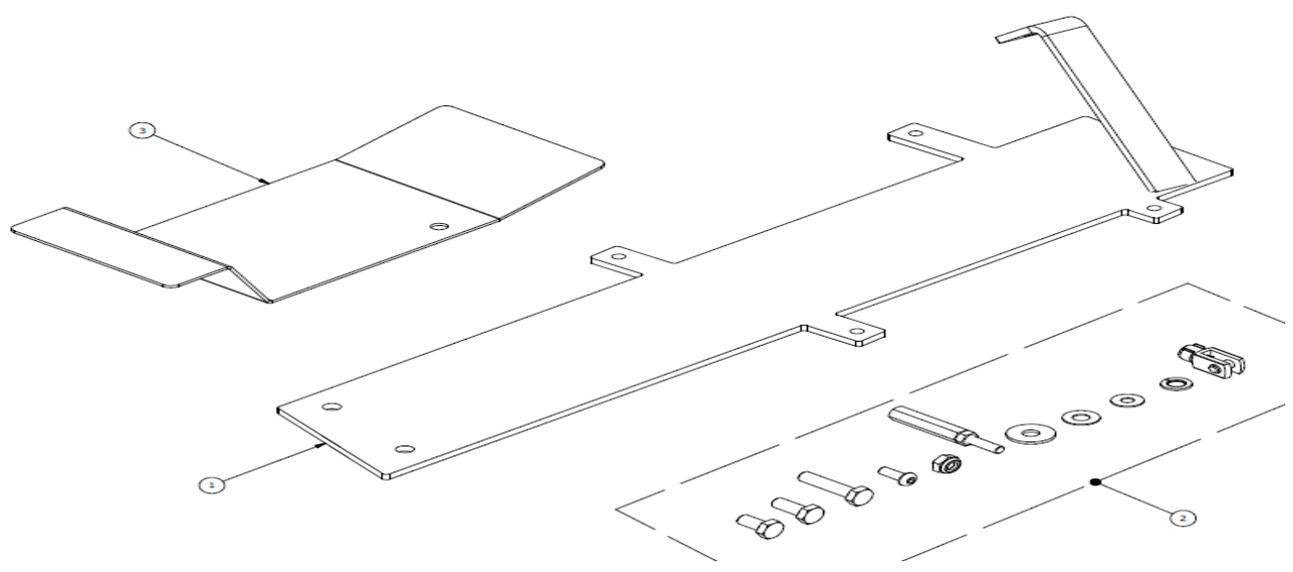
- If there is visible damage to the product it must not be installed.
- Fastening screws and bolts must be correctly tightened
- Not to be opened by unauthorized personal Failing to follow these instructions can result in the product/products suffering damage or personal injury. If the product is not used for its intended purpose, Autoproducts cannot be held responsible.
- Before you start mounting/dismounting, ensure that the main current supply is switched off.

Handi brake is available in 2 Version:

Pull rod version with a strength of 2000 NM.

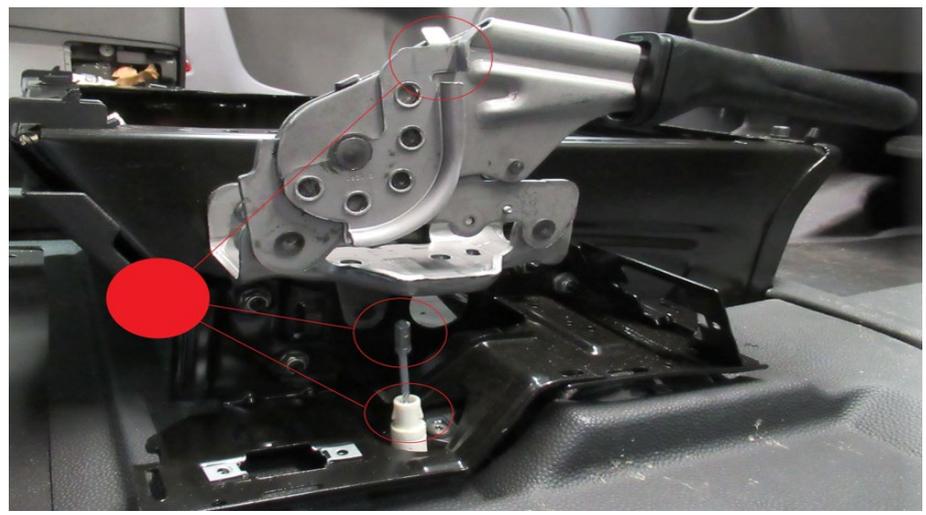
Wire version with up to 2000 NM. Force is reduced when wire is bent in degrees.

Bracket kit.



Driver seat and batteries are removed and stored securely. (Labeled with win number)

Remove the original parking brake and scrap it.



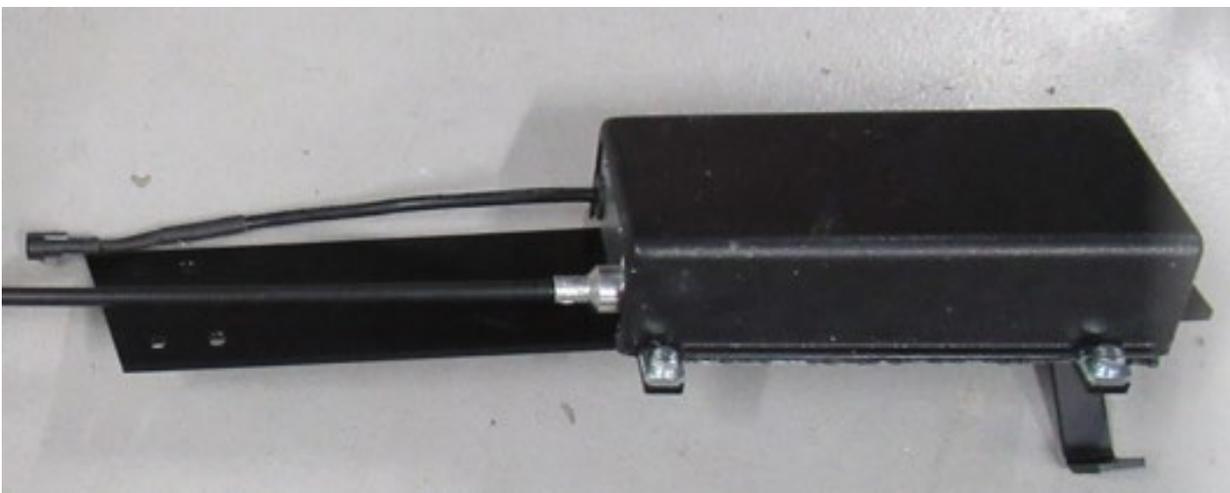
Remove the Rubber gasket and use it again on wire to be led out through bottom.



The supplied cable for the Handi brake is passed through hole so that there is a 70cm cable under the bottom of the car.



Mount the Handibrake on bracket with the 4 pcs M8 X 16 mm screws, Tightened with **25NM**.



Remove the cover on the right side of the accelerator.

Replace the right screw with M8X35mm. **Tightened with 25NM**

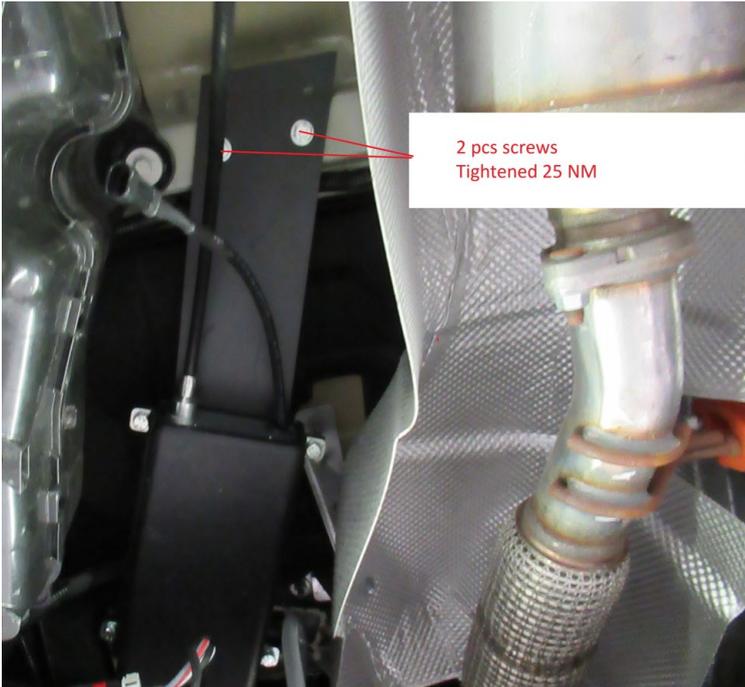


Handi brake is mounted on the extended screw.

2pcs M8X20mm screws are mounted at opposite ends (original holes).

The 3 screws are tightened with **25NM**



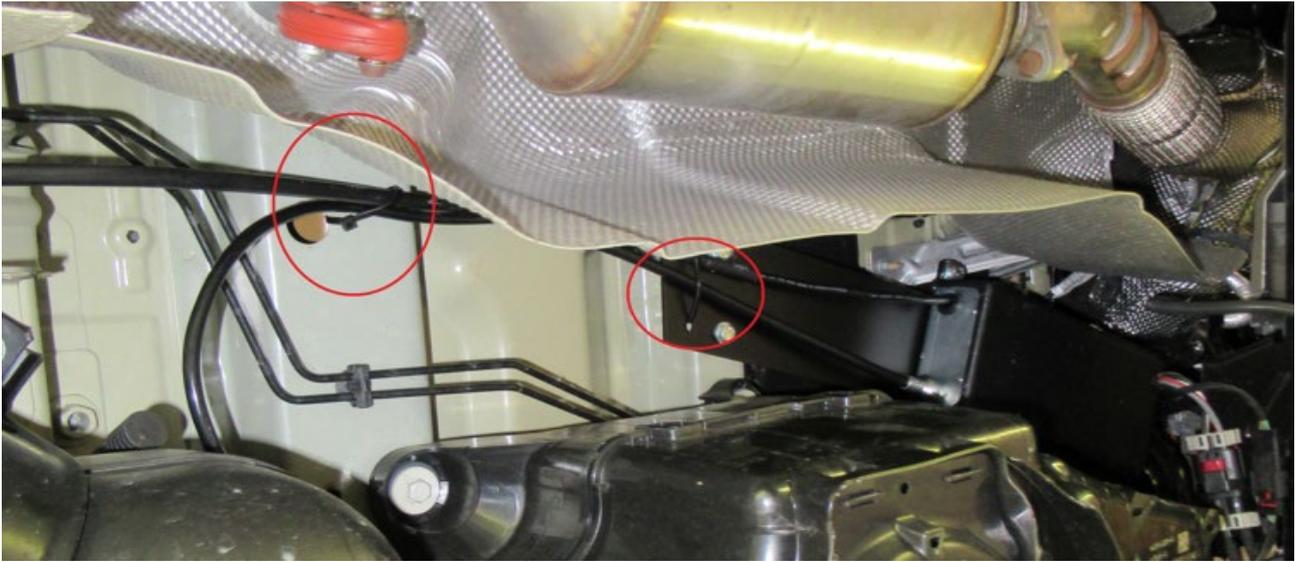


Scrap the original hand-brake wire.



Place wire from handbrake as shown in picture **Use 2 slices (one on each side 8X24X2mm)** and fasten core and wire with strips. (Marked with a red circle)





Wire is assembled with original drawbar which goes backwards to the brakes.

Assemble with safety-pin and nut is tightened.

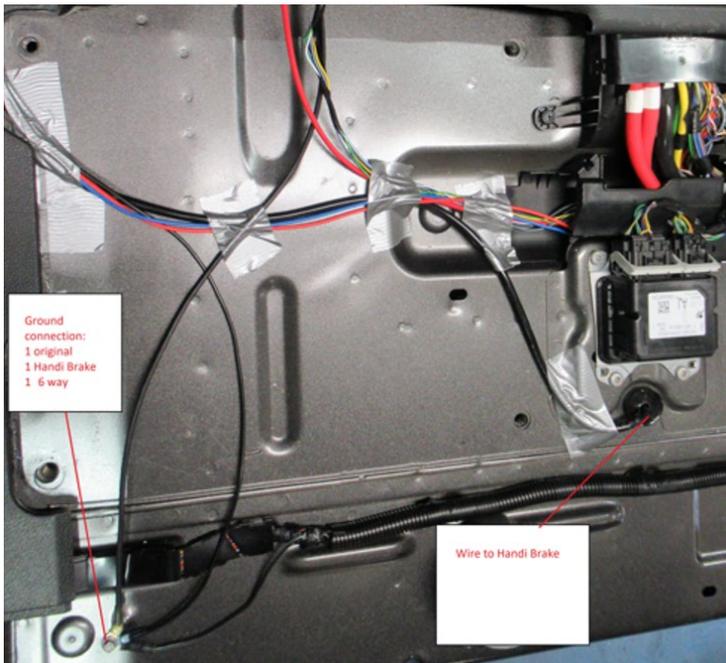


Drawbar is adjusted at original assembly point. **Be aware that the Handi brake is fully released.**

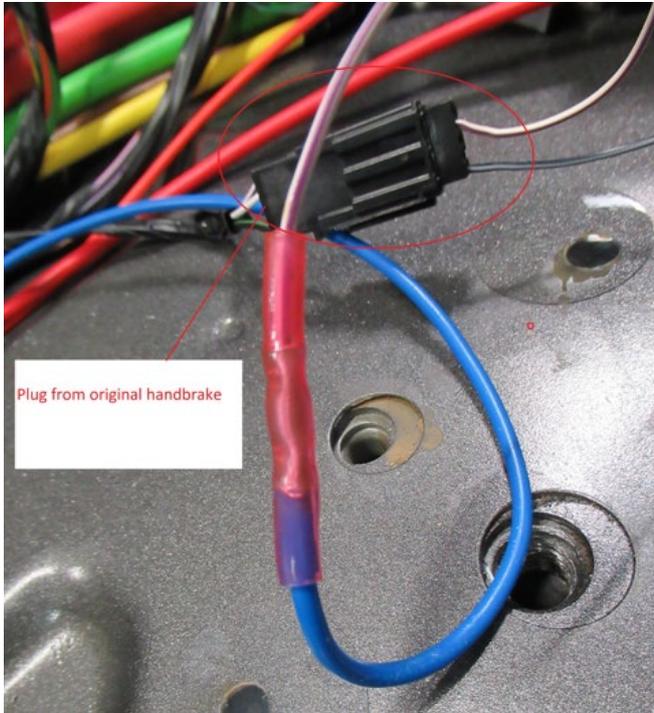


Handi brake cables are routed to the fuse box at the instrument panel.

The ground point is mounted as shown in the picture.



Blue core is connected to purple /white core from original parking brake switch. (Lamp dashboard)



Remove the side panel on the instrument panel (The part that includes light switch)



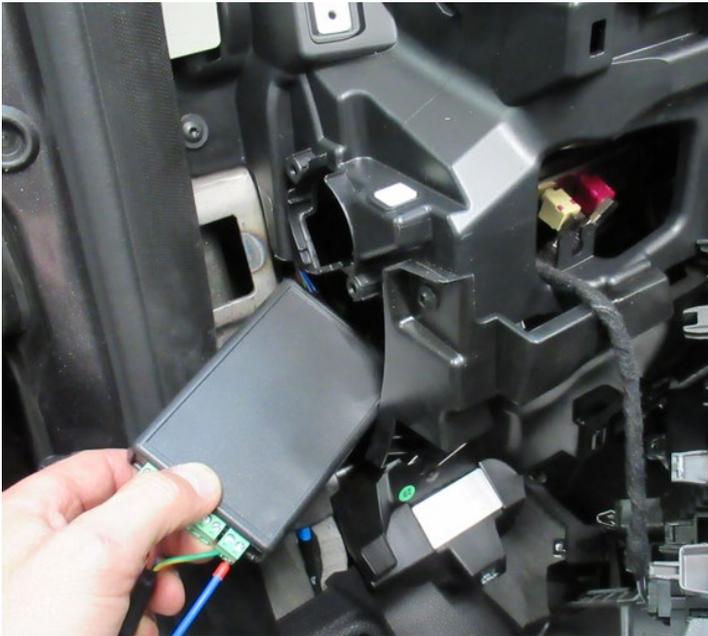
Drill \varnothing 21mm hole for operating switch "Handi Brake" as shown in picture



Parking brake switch is fitted.

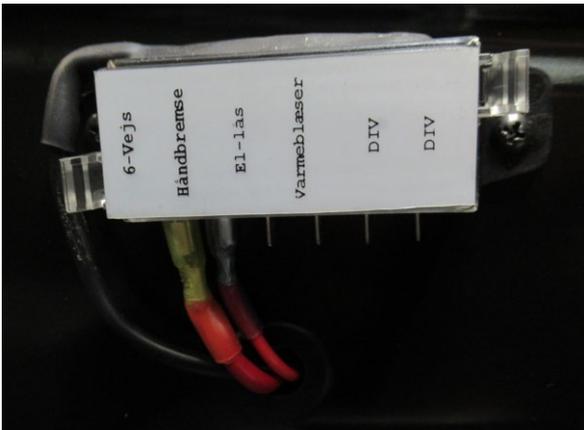
Warning: Do not mount the switch within reach of other people in the car, or around the cup holder.

Place the ecu / controller in connection with the original fuse box, and mount wires behind the cover "A pillar". Cables are routed to the driver's seat area.



Red wire from Handi ECU is connected to + 12v Battery or **(CCP2 on driver seat base)**

Fuse 20amp.



Force adjustments.

IMPORTANT!

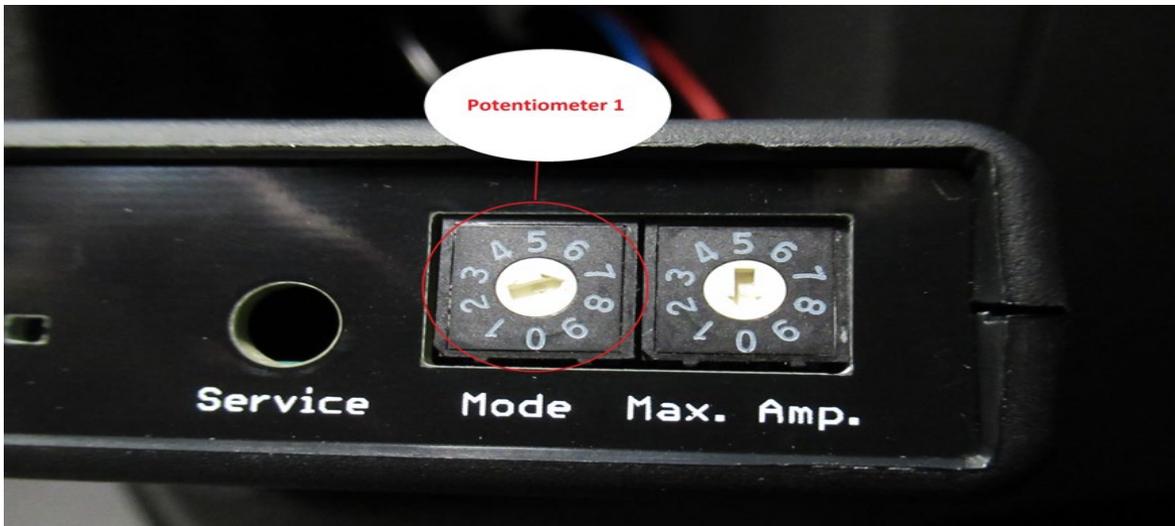
Always start with the potentiometer set as far counterclockwise as possible and then slowly, step by step, increasing the force to an appropriate amount.

Handi brake strength / force is set on potentiometer 1. (Ford Custom position between 5 and 7)

- By turning the resistor clockwise, the force is increased.
- By turning the resistor counterclockwise, the force is decreased.

Strength / braking effect is set to car inspection requirements.

Attention: To high force/strength can damage the vehicle brakes, or the Handi brake.



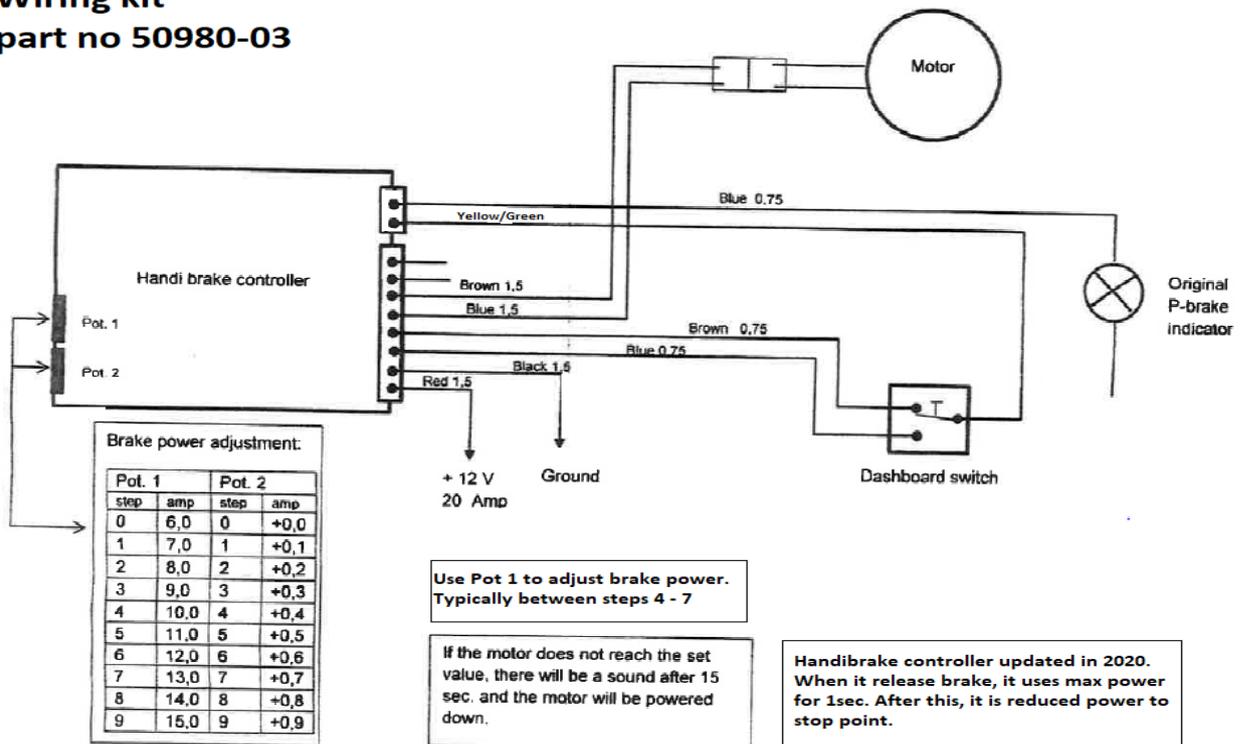
The vehicle is assembled and the plate is mounted over the ECU to protect, and close hole.

Replace the 2 original bolts with special screws (See picture) Tighten with **10NM**





**Wiring kit
part no 50980-03**



Autoproducts Baggeskærvej 48 7400 Herning DK

Handi Brake user manual.

Handi brake is a replacement for the manual handbrake and developed for use by disabled users.

Handi-brake is operated with on/off switch located within the driver's working area.

To pull the brake, the switch is activated by tilting it down. This causes the brake to pull to the pre-adjusted force.

When the brake has reached max force, the parking brake light will illuminate in the instrument panel.

If the Handi brake does not reach the pre-adjusted force (amp) alarm/sound will inform about malfunctions. (Contact qualified workshop)

Warning: Do not use the Handi-brake at speeds above 20 km/h.

In the event of incorrect use or installation of an external company by Handi-brake, Autoproducts cannot be held liable for any damage or accident.



Baggeskærvej 48 7400 Herning DK