

SVENSKA  
ENGLISH

# TURNY

HD 300/395

## MONTERINGSANVISNING INSTALLATION INSTRUCTIONS



utvridbar, höj- och sänkbar bilsäteslyft  
turnable and vertically adjustable seat lift



 **ADAPT**  
MEMBER OF THE BRUNO COMPANY

## DECLARATION OF CONFORMITY:

Manufacturer: Autoadapt-BEV AB, Hedeforsvägen 6, S-443 61 Stenkullen, Sweden

Certifies that the product: Turny model: 300 / 395 Espace

Fulfills following Directives and Standards: LVFS 2001:6 and LVFS 2002:2, 74/60/EEC including 78/632/EEC

74/408 EEC including 96/37/EC

76/115 EEC including 90/629/EEC

93/42/EEC, 95/28/EEC

72/245 EEC including 95/54/EC,

89/392 EEC including 98/37/EC

ECE R 10, ECE R 14, ECE 17

EN 292-2 A1, EN 12182, EN 55 022, EN 60204-1,

EN 61 000-4-2: 1995

ISO 3795, ISO 7637-1

FMVSS 207, FMVSS 208, FMVSS 209, FMVSS 210

FMVSS 302

Stenkullen 2002-11-25

Håkan Sandberg

Managing Director, Autoadapt-BEV AB

## THE INSTALLATION INSTRUCTIONS

These installation instructions describe a typical procedure for mounting the Turny without a vehicle specific mounting bracket. The instructions does not however cover all types of installations.

Turny with vehicle specific mounting brackets are available for several of the most common car models and can be ordered from Autoadapt-BEV AB.

### PRIOR TO INSTALLATION

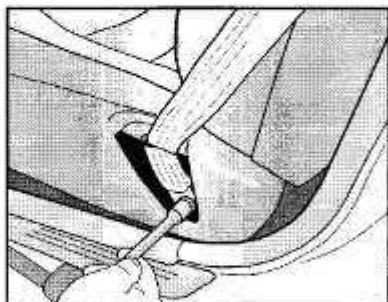
Make sure the goods has not been damaged during transport and that the goods are according to your order. Read the "instructions for use" for the Turny and make sure you understand how it will be operated after the installation.

### INSTALLATION OF TURNY

#### **Park the car on horizontal and even ground!**

Remove the cable from the battery in order to ensure that no short circuit in the electrical system will occur during installation. If there are any electrical cables on the floor or under the carpet, these must be put to the side or protected in any other way to avoid them getting damaged during the installation.

#### **1. Dismounting the original seat**



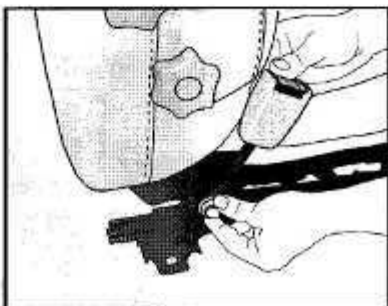
1. Unscrew the seatbelt from the original seat.



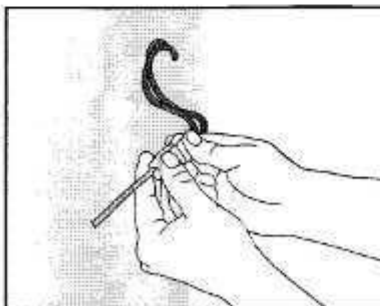
2. Unfasten the original seat. Tip the seat to reach any possible cables under the seat.



3. Detach any possible cable for side airbag, seat heating or seat belt stretcher.

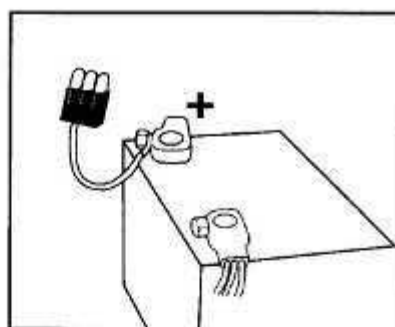


4. Lift out the seat and unfasten the seatbelt receptacle

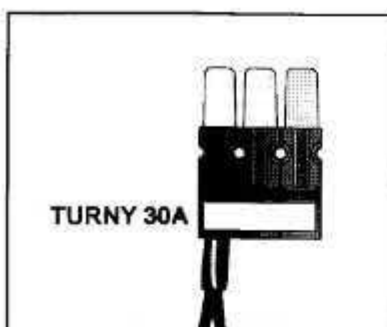


5. Attach a substitute resistance to the cable for the side airbag if the seat is equipped with such.

## 2. Electrical installation



1. Mount the fuse holder near the battery. Connect the cable from the fuse holder to the battery plus pole.



2. Draw the cable art. no: 414105 under the carpet from the position of Turny and connect to the vacant plug of the fuse holder, marked Turny 30 A.

3. Ground the black cable to chassis, for example via the attachment bolts of Turny. Alternative cable shoes are enclosed.



**Do not change any of the cables to smaller dimension or connect any of the cables to a cable of smaller dimension!**

## 3. Fitting in the Turny

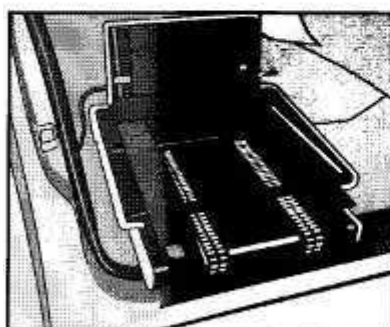
This describes the procedure of fitting in a Turny delivered with a non-adapted mounting bracket.

If the floor carpet is of a thicker type it is necessary to cut out material by the floor bolts and to add spacers, to achieve a stable fastening.

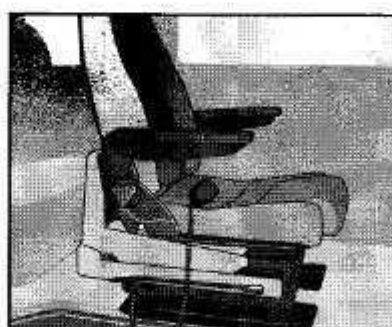
**NB! It is of utmost importance that the attachment points of the original seat is used!**



1. Place the Turny in the vehicle. The sidewise position shall if possible be according to the original seat. If necessary adjust the horizontal height with temporary spacers.



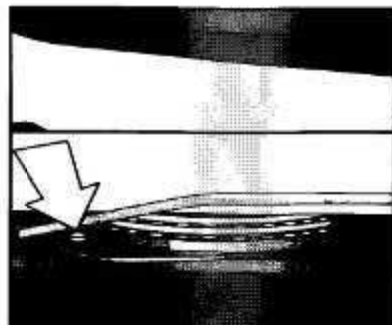
2. Connect to battery. Ensure that there is enough space for turning out the Turny without risk for chafing against the threshold welding.



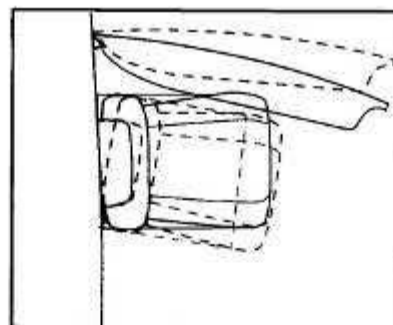
3. Consider the leg space for the user as well as other passengers!



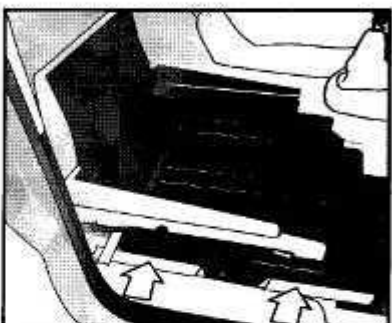
4. Make sure that the Turny runs free from the threshold when lowering. The distance should be 2-3 cm.



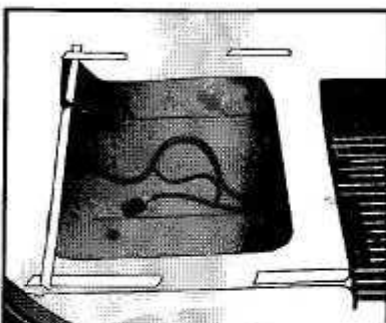
5. If the angle of the turned out position needs to be altered, unfasten the two screws holding the angle lock. Adjust the angle and refasten the two screws.



6. In extreme cases it might also be necessary to increase the door opening angle of the vehicle.



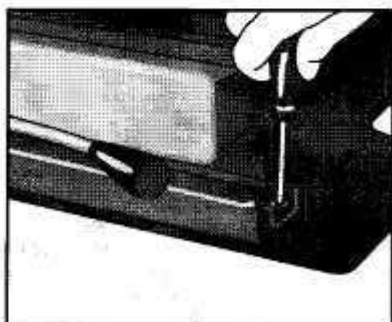
7. Mark out with tape the exact position of the Turny on the floor.



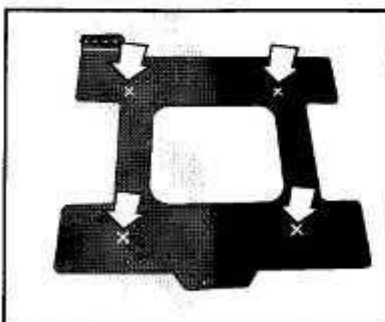
8. Disconnect the contact piece. Lift out the Turny without moving the taped marks.

## 4. Mounting Turny

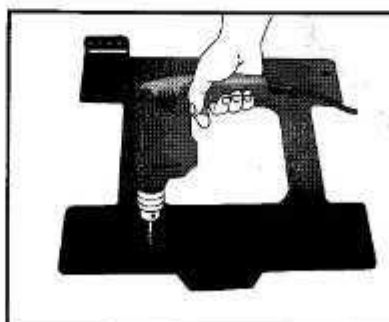
The floor bolts must be of the same diameter as the original bolts. Necessary lengths are used. If the original seat is fastened with M8 bolts these must be of at least quality 10.9, and if the original bolts are M10 these must be of at least quality 8.8. Cut the enclosed metal tube into required lengths for possible spacers.



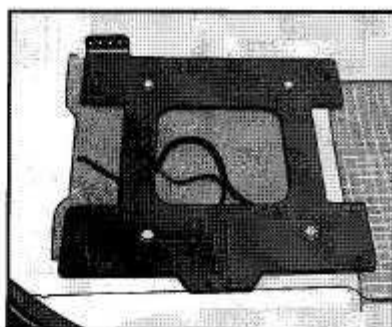
1. Loosen the sliding rails and the security profiles from the mounting bracket. The sliding rails must be pushed forward and backwards to be able to reach the screws.



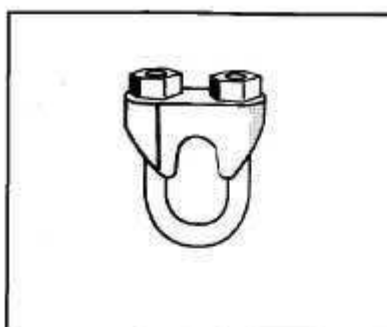
2. Measure out where the bolt holes of the original seat are placed in relation to the marking tape. Transfer the hole pattern on to the mounting bracket. **Make sure the bracket is placed in the right direction!**



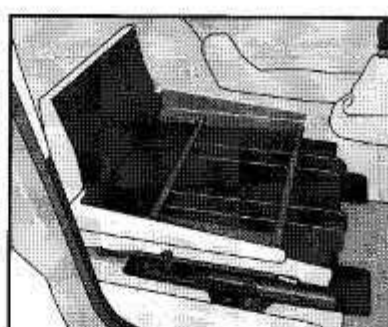
3. Bore out the markings for the bolt holes in the same diameter as the original bolts.



4. Mount the bracket temporarily in the vehicle. Measure out horizontal level. If necessary adjust with spacers, made out of the enclosed metal tube. Tighten the bolts.



5. Some vehicles of MPV-type have quick-fastened seat attachments. In these cases a "wire-lock" is required to attach the bracket in the floor. Use body cement or tape to fix the lock in place first. Mount the bracket and tighten the bolts.



6. Lift the Turny into the vehicle. Mount the Turny on to the mounting bracket with the sliding rails and the security profiles. Three screws on each side. Tighten the screws with 26 Nm.

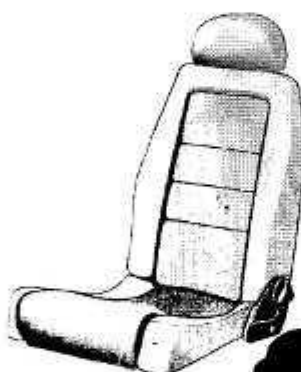
## 5. Mounting the seat

If a Recaro or Scheelmann made seat is mounted, the pre-made holes of the seat mounting brackets can be used.

If the original or other seat is mounted, see if the mounting iron can be modified for the seat. If not, new mounting brackets must be made.



Mounting brackets for the seat



BEV-seat made by  
Scheelmann



Recaro seat

## 6. Mounting the seatbelt

If the seatbelt receptacle has a belt stretching device that is difficult to mount with the Turny, replace it with a standard type receptacle.



### **Do not place the receptacle too high!**

If the receptacle is placed above the seat surface it can cause a rupture to the seatbelt in case of a crash. The seatbelt lock can also cause injury to the user.



### **NB! The seatbelt attachment of the original seat may not be used!**

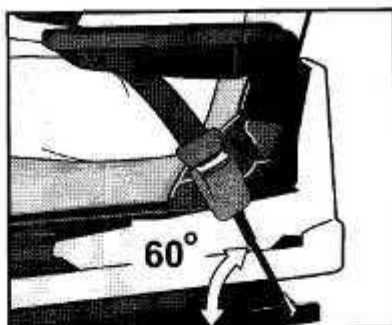
It is of utmost importance that the seatbelt receptacle is mounted in the intended attachment points of the Turny mounting bracket.





# **It is important that the seatbelt receptacle is pivoted!**

A stiffly attached receptacle can cause a rupture to the seatbelt in case of a crash.



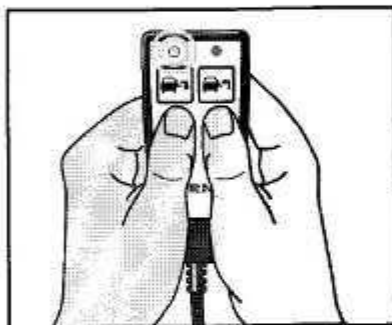
Adjust the angle of the receptacle while a person is seated. Mount the seatbelt receptacle on to the Turny mounting bracket. Choose an attachment point that gives the receptacle an angle as near 60 degrees as possible.

## **7. Reprogramming end position**

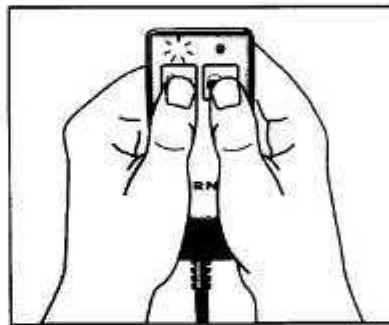
When required the end position of Turny can be reprogrammed, according to following instructions.



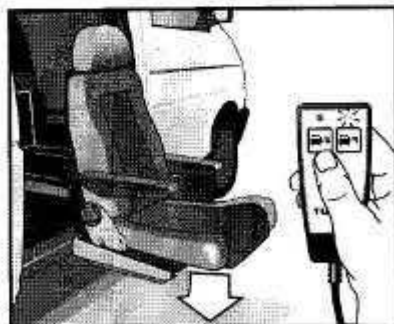
1. Turn out the Turny and drive it outwards until it starts to turn downwards. Make sure that it does not run too near the vehicle.



2. Press down the two control buttons **at the same time**. Let go again. When correctly operated the Turny shall not move, and the left hand side, red diode shall begin to flash.



3. To confirm reprogramming mode, press both control buttons again, and **hold them in** until the left hand side, red diode shines constantly. (When **not** wanting to go into reprogramming mode: press one of the buttons, or just wait until 20 seconds have passed without pressing any button.)



4. Drive out the Turny to desired end position. After having let go of the control button, it takes 20 seconds before the new end position is saved.

As confirmation of succeeded reprogramming the red diode is put out and the green diode starts to shine.

5. If by mistake the wrong position has been programmed, just start again from the beginning.

## ADJUSTMENTS

### Position of the rails

Check that the rails above the bracket are in their ultimate rear position, when Turny is turned inside the vehicle.

This is done by turning in the Turny and loosening the slewing bracket.

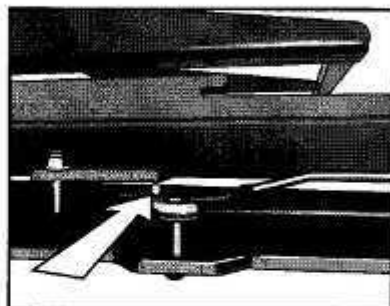
Check if it is possible to push the Turny further back. If so, adjust the length of the slewing bracket until it presses against the end of the slit.

Note! The rails must always be in their end position when Turny is turned inside the vehicle.

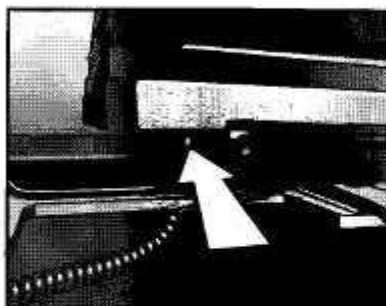
### Adjustment of outer stop lug

Turny is delivered with outer stop lug set on the turned out end position of 90 degrees.

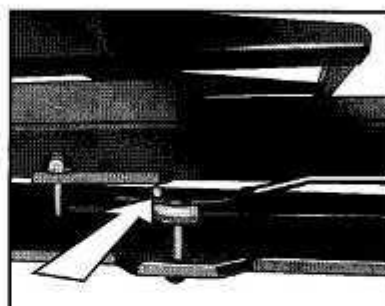
If needed, the end position of the turned out angle can be changed as follows:



1. When Turny is in turned in position the outer stop lug bolt can be loosened.  
Use a 13 mm wrench.



2. Turn out the Turny to reach the inner stop lug bolt. Loosen the bolt with a 13 mm wrench.  
Turn the Turny to desired end position and tighten the bolt.  
30 Nm.



3. Turn in the Turny and tighten the outer stop lug bolt with 30 Nm.

## MANUFACTURER CERTIFICATE

Make sure the **Manufacturer Certificate** of Turny follows the product. This document makes Turny traceable.



## ELECTRICAL OVERLOAD PROTECTION

By overload and by risk for pinching the motion of Turny is automatically interrupted. When the Turny is moving horizontally the interruption will follow by a small returning movement. When the Turny is moving vertically the motion will just stop, when overloaded. When overloaded the left hand side, red diode will shine and the operation of Turny will no longer be possible, as long as the diode is shining.

## SPACERS

In some installations it might be necessary to use the Turny spacers, ordered separately.

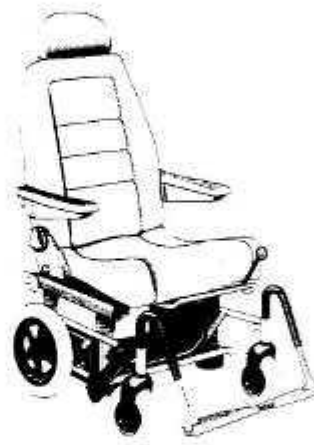
The kit consists of two spacing bars and screws. They can be combined with sliding rails if enough space is available.



## TURNY COMBINED WITH THE CARONY SYSTEM

If Turny is combined with the Carony system, the seat mounting brackets are to be replaced with the Carony rails.

The shorter rail types are to be used in combination with Turny.





ADDRESS: Hedeforsvägen 6, 443 61 Stenkullen  
Ålandsgatan 8, 504 41 Borås  
Karins Väg 7, 194 26 Upplands Väsby  
E-MAIL: [contact@autoadapt.se](mailto:contact@autoadapt.se)

PHONE: 0302 - 558 20  
0302 - 558 20  
08 - 59 411 670

FAX: 0302 - 558 29  
033 - 10 58 67  
08 - 59 411 679