

INSTRUCTION REGARDING STEERING BOX INSTALLATION

This installation description is to give you better information upon installation of this **brand new** manufactured steering box.

1. Upon turning the worm from left to right side you may find a "dead" point, which is mend to be the denominating tight point of the mechanical steering.

This dead point is mend to be exactly where the steering gear has it straight positioning of the wheels of the car.

If we do not make this tight point (more torque in the central position), the working of the steering wheel will not be correct.

In light of the above we strongly recommend you to re-adjust the steering box after a determinate number of kilometers. (Only if this tight point is missed)

The re-adjusting is done by giving the steering box more torque. - Please confer with picture enclosed (enclosure 1)

This can be done by adjusting the screw by breaking the yellow sealing. – Please confer with picture enclosed (enclosure 2).

2. The torque curve of a steering is exposed in the figure enclosed (enclosure 3).

The torque must be measured in the input worm with an appropriate torquemeter (instrument for its correct measure).

3. It is not easy to move manually the worm in the tight point due to this torque (it only could be possible, if the torque of the worm is in the lowest part of the tolerance – 12 kg.cm).

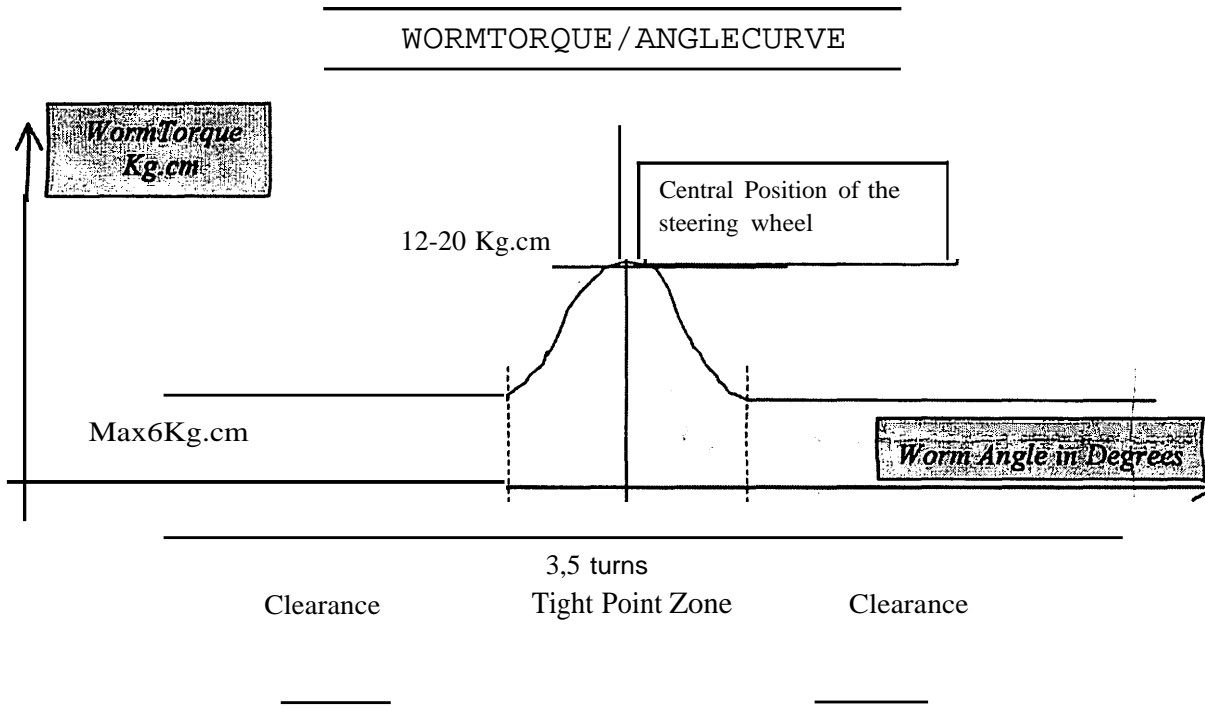
4. In light of the above please do not think, that the "dead" point is a production mistake.

This is an important safety feature for this **brand new** manufactured part.

We wish you good driving luck!

Enclosure 1

FIGURE 1-THEORETICAL CURVE



Enclosure 2



Adjusting screw

Enclosure 3

FIGURE 2: MEASURED TORQUE

WAT DIRECCIONES S.A.

HOJA INFORME DIRECCION

Numero direccion:: 2112 N° orden de fabrication:: 4018
Referencia: VW4 O.F. Conjunto 01:
 O.F. Conjunto 02.:
Fecha: 3/6/02 10.10.54 Resultado: aceptado
 N° Cancelaciones: 6
Operario: MIKEL.MARKEZ

