



MSW Adapter Universal V3

The new MSW Adapter is designed to enable mounting of the CORRSYS-DATRON Measurement Steering Wheel (MSW/S) without the use of custom-fabricated steering shaft adapters. The Universal Adapter is simply clamped onto the steering wheel of the test vehicle, which is possible due to the compact dimensions of the CORRSYS-DATRON MSW/S.

Extent of Delivery

- 1 supporting plate - available for
 - passenger cars with steering wheel \varnothing 280 ... 420 mm
 - trucks with steering wheel \varnothing 400 ... 560 mm
- 1 adapter flange
- 3 adjusting angles with adaptation mechanism and knurled screw
- 3 clamp collars with foam rubber inlay
- 3 threaded studs for application on steering-wheel rim M4
- 6 V2A hex screws, M6 x 45 mm
- 8 V2A hex screws, M6 x 16 mm
- 8 V2A washers, 6.4 mm
- 6 hex socket countersunk screws M8 x 20 mm
- 3 V2A hex nuts M8
- 3 V2A washers, 8.5 mm
- 6 V2A ULS screws M6 x 16
- 6 V2A washers 6.4 mm, big



WARNING:

Local regulations may not permit the operation of motor vehicles on public highways while the MSW Adapter Universal V3 is mounted in the vehicle!



If the test vehicle is equipped with an airbag, the airbag must be deactivated or removed before using the MSW Adapter Universal V3.

Use only original mounting equipment included in the scope of delivery, otherwise CORRSYS-DATRON assumes no liability for any damages.

Liability Preclusion:

CORRSYS-DATRON explicitly points out that the use of the MSW Adapter Universal V3 with MSW/S is effected at the user's own responsibility.

CORRSYS-DATRON assumes no liability for use of the MSW Adapter Universal V3 in vehicles equipped with steering wheel airbag(s). The MSW Adapter Universal V3 is strictly recommended for use only in vehicles that are not equipped with steering wheel airbag(s).

Further, CORRSYS-DATRON assumes no liability for damage resulting from improper mounting or incorrect use of the MSW Adapter Universal V3.

Art. No.:

for passenger cars 16188
for trucks 16458

Mounting Instructions

Please read carefully to assure proper mounting of the adapter.

ATTENTION: The MSW Universal Adapter must be mounted and operated only by authorized, qualified persons who are familiar with devices of this type.

1. Remove the clamp collars and the adapter flange (with MSW unit) from the supporting plate.
2. Measure the inner diameter of the steering-wheel rim and set the 3 adjusting angles with the knurled screw on half diameter. To do this, slightly loosen the clamp screws on the upper side of the supporting plate.
3. Insert the supporting plate with the adjusting angles downward into the steering wheel, until the threaded studs fit the steering-wheel rim, which allows easy access to the set screws. Then, correct the length of the angles until all are close to the inner side of the steering-wheel rim.
4. Now, attach the clamp collars laterally to the adjusting angles; there are 3 pairs of holes for mounting the clamps. To keep the overall height as low as possible, you should preferably choose the upper mount if possible (depends on the excess height of the airbag module relative to the steering-wheel rim). In any case, all three clamps must be mounted in the same hole pairs, otherwise errors may occur due to tumbling of the supporting plate.

NOTE: It may be necessary to remove the threaded stud(s) before you can screw the clamp collars into the upper hole.

Easily damaged steering wheel materials (leather, wood, etc.) should be protected with a suitable underlay to avoid damage.

5. Center the supporting plate relative to the steering-column rotation axis: Control centering by means of a mark (e.g. stator mount of the MSW) positioned towards the engraving in the middle of the supporting plate (Fig. 2).
If necessary, correct by adjusting the knurled screws (Fig. 3) until the desired accuracy is achieved.
6. Position the clamp collars and tighten the clamp screws on the upper side of the supporting plate.
7. Attach the adapter flange with the MSW unit and affix it using the supplied M8 hex nuts .
8. Affix the grip bar for the stator of the MSW.
9. Connect the MSW to data acquisition. Be sure that the cable does not contact the arms of the supporting plate when steering.



Abb. 1



Abb. 2



Abb. 3