

TOW BAR O-214 FOR OPEL VECTRA B (4/5D) FITTING AND OPERATION MANUAL. (10/1995 - 08/1998 r.)

Nr kat. O-214

DESTINATION

Tow bar **O-214** for a **Opel Vectra B (4/5D)** is designed for towing a trailer. This ball hook has a current certification of approval authorizing the product with **E20** certification sign.

FITTING CONDITIONS

Tow bar **O-214** can be used and operated in a car with proper technical conditions of body elements. Those parts cannot be mechanically damaged. The ball hook has to be installed and operated in a car according to this instruction. All bolts and nuts in ball hook have to be screwed down with proper torque (Mo). Torque values are given below:

| | | | | | |
|-----|---|---------|-----|---|----------|
| M8 | - | 25 (Nm) | M12 | - | 85 (Nm) |
| M10 | - | 50 (Nm) | M16 | - | 200 (Nm) |

OPERATION CONDITIONS

The tow bar **O-214** has a rating plate describing correct and safe loads of the hook:

| | |
|--|---|
| Typ: O-214 A50-X 55R-01 1565 D = 7,6 kN S = 75 kg R = 1300 kg | The tow bar for Opel Vectra B (4/5D) Tow bar class (compressing device) Tow bar certification of approval number Theoretical related force working on a ball hook Max permissible vertical load of the hook ball Max permissible load of towing trailer |
|--|---|

During operating individual elements of ball hook should be kept in a proper technical condition and protected from corrosion. The trailer must be linked with an elastic joint with proper durability (cord , chain) while towing. It is necessary to check periodically bolt joints during operating the ball hook. If screws are eased, it is necessary to screw them down.

FITTING

The tow bar **O-214** for **Opel Vectra B (4/5D)** is made up of the following elements:

- | | | | |
|-----------------------------|------------|------------------------|------------|
| 1. Tow bar's body | - 1 piece | 7. Special washer | - 2 pieces |
| 2. Tow ball with support | - 1 piece | 60/ 12,5x2,5 | - 4 pieces |
| 3. Electrical socket holder | - 1 piece | 8. Bolt M12x30 | - 3 pieces |
| 4. Distance sleeve | - 4 pieces | 9. Bolt M12x100 | - 2 pieces |
| 17,3/ 12,5x65 | - 4 pieces | 10. Bolt M12x110 | - 5 pieces |
| 5. Distance sleeve | - 1 piece | 11. Flat washer 13,0 | - 9 pieces |
| 17,3/ 12,5x70 | - 1 piece | 12. Spring washer 12,2 | - 5 pieces |
| 6. Special washer | - 3 pieces | 13. Nut M12 | - 5 pieces |
| 40/ 12,5x2,5 | - 3 pieces | | |

In order to mount the ball hook **O-214** you have to obey the instruction below:

1. Rear bumper cutting is **not required**.
2. Dismantle a tow bar into kit-form elements.
3. From the inner side of luggage boot drill 3 holes 12,5 on the left side (through one wall of longitudinal stringer) and 2 holes 12,5 on the right side. Find and use factory-made marked points.
4. Previously drilled holes 12,5 enlarge to 17,5 (also from the inner side of the luggage boot through one wall only) for (4) and (5).
5. Into enlarged holes 17,5: on the left side put (4) and on the right side put one pc. of (4) from the back strip side - and one pc. of (5).

6. Then on the left side insert (9), (6) from the back strip side and (7) into the distance sleeves. On the right side insert (10), (7), (6) from the back strip side.
7. From the bottom put the tow bar's body (1) to (9) and (10), then screw it with (13), (11), (12).
8. Mount (2) into (1) using (8) and (12) screwing (3) on the left side of (2) at the same time.
9. Check if all fixing bolts and nuts are screwed hard enough.

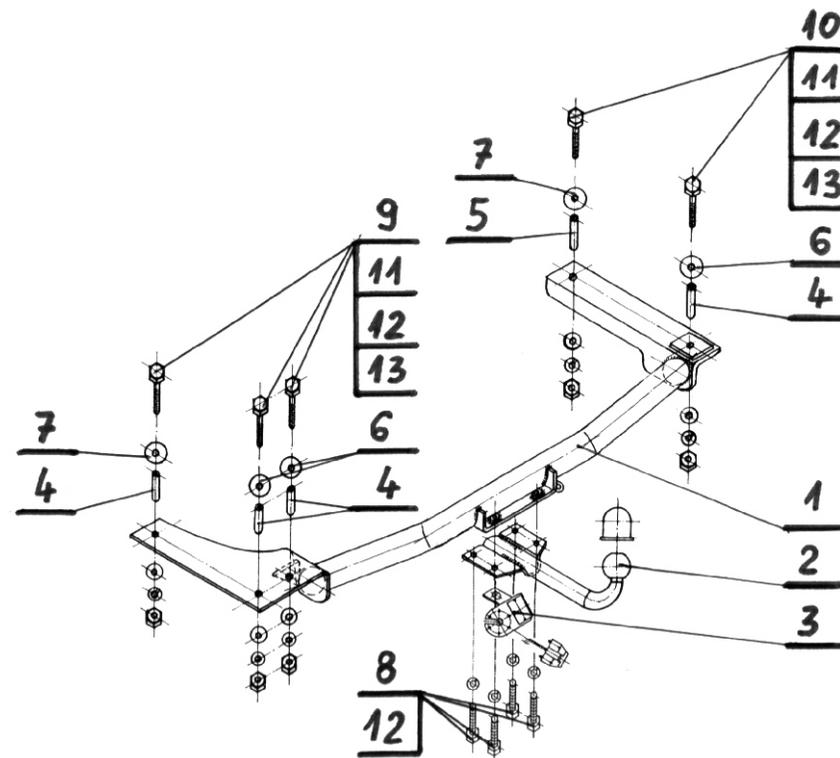
Obeying this instruction assures correct montage and the tow bar operating in a Opel Vectra B (4/5D).

After assembling of the tow bar **O-214** you have to get entry in cars **registration book** in a quality control station.

CAUTION:

All mechanical damages of tow bar excludes its further exploitation. Damaged ball hook **cannot be repaired**. In case of braking the rules of montage or unproper usage manufacturer **do not take responsibility** for arised damages.

MONTAGE DIAGRAM:



NOTE:

Bunch of wires is not included (in total price).