



# MERCEDES VIANO

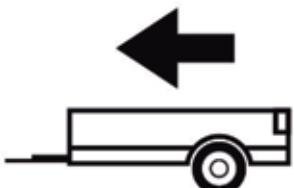
# MERCEDES VITO

08/03 -  
09/03 -

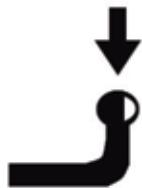
Cat. No. M/020

e20

e20\*94/20\*0185\*00



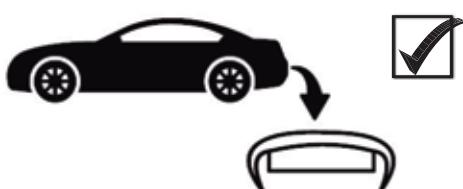
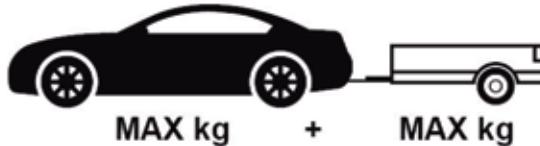
2500Kg



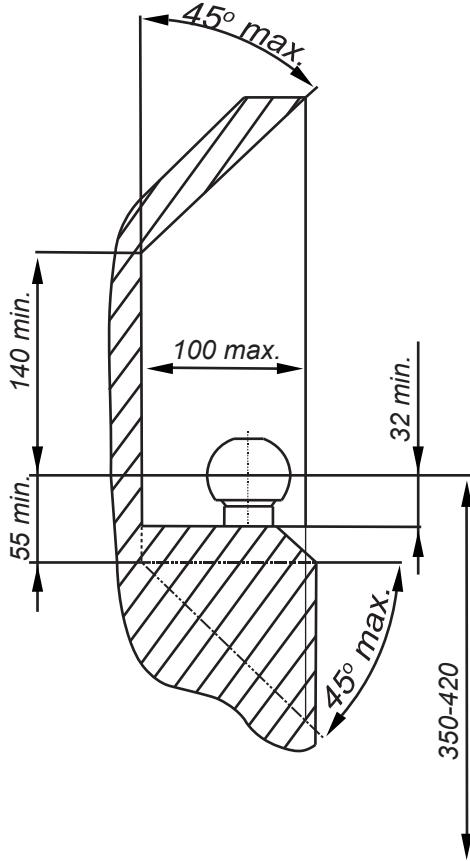
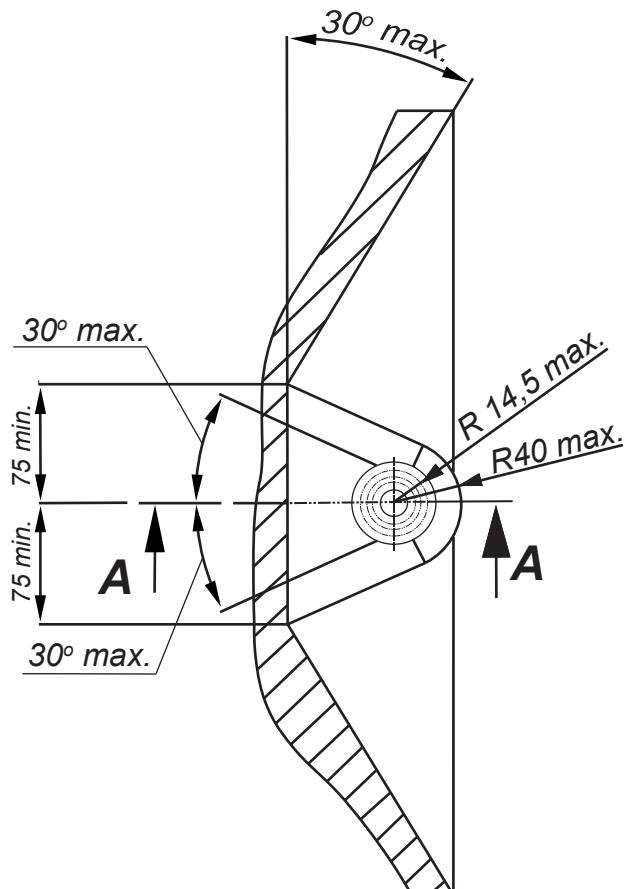
100Kg

**D** = 13,25kN

$$D \text{ (kN)} = \frac{\text{MAX kg} \times \text{MAX kg}}{\text{MAX kg} + \text{MAX kg}} \times 0,00981$$



## PRZEKRÓJ A-A



**PL** Należy zagwarantować przestrzeń swobodną według załącznika VII, rysunek 25a/b Regulaminu EKG ONZ 55.01 przy dopuszczalnym ciężarze całkowitym pojazdu.

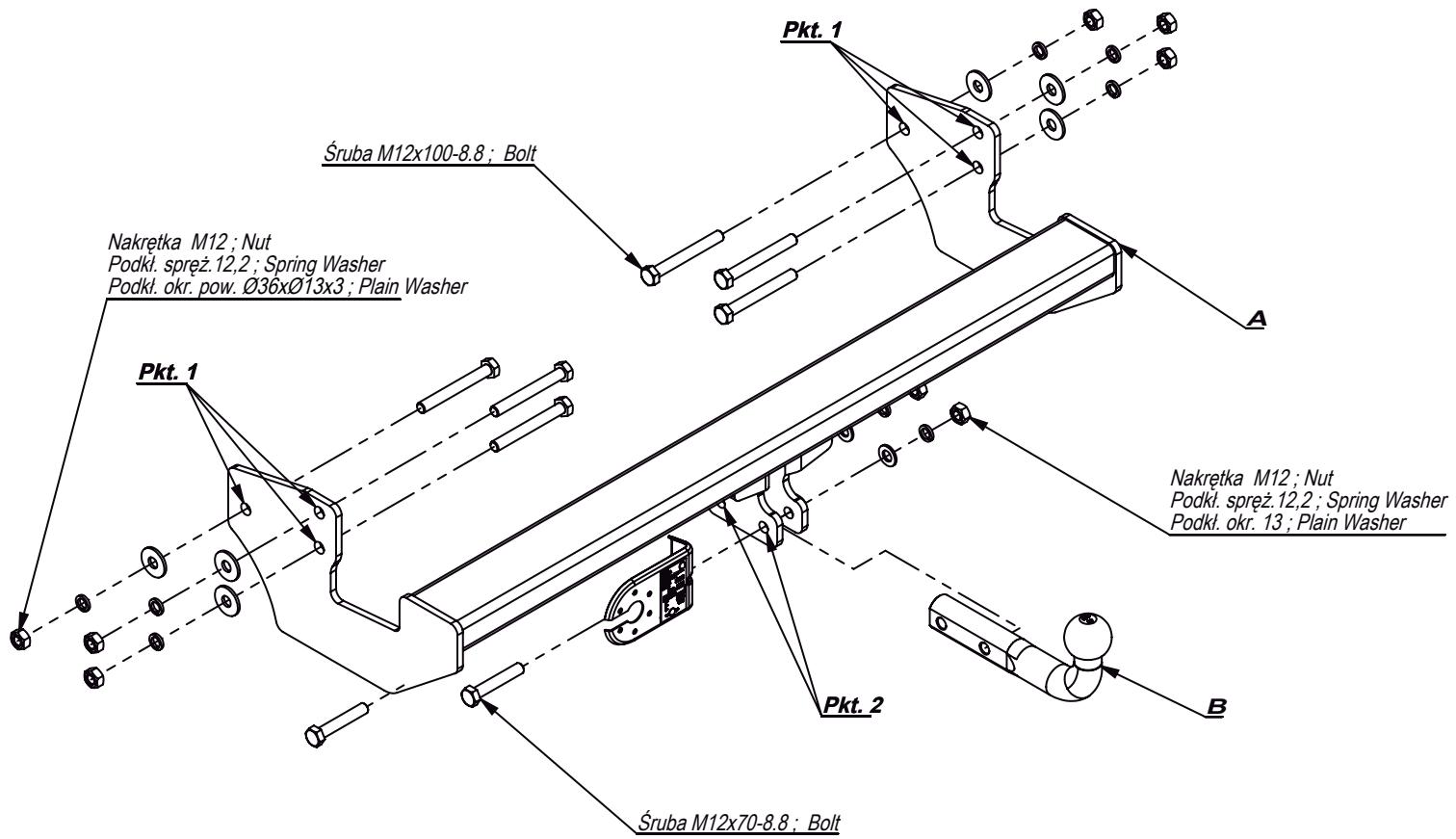
**GB** The clearance specified in appendix VII, diagram 25a/b of Regulation No. 55.01 UN EU must be guaranteed at laden weight of the vehicle.

**F** L'espace libre doit etre garanti conformement a l'annexe VII, illustration de la reglements 55.01 CE pour un poids total en charge autorise du vehicule.

**D** Der Freiraum nach Anhang VII, Abbildung 25a/b der Vorschriften 55.01 EG ist zu gew 25a/b ahrleistenbei zulässigem Gesamtgewichtdes Fahrzeuges.

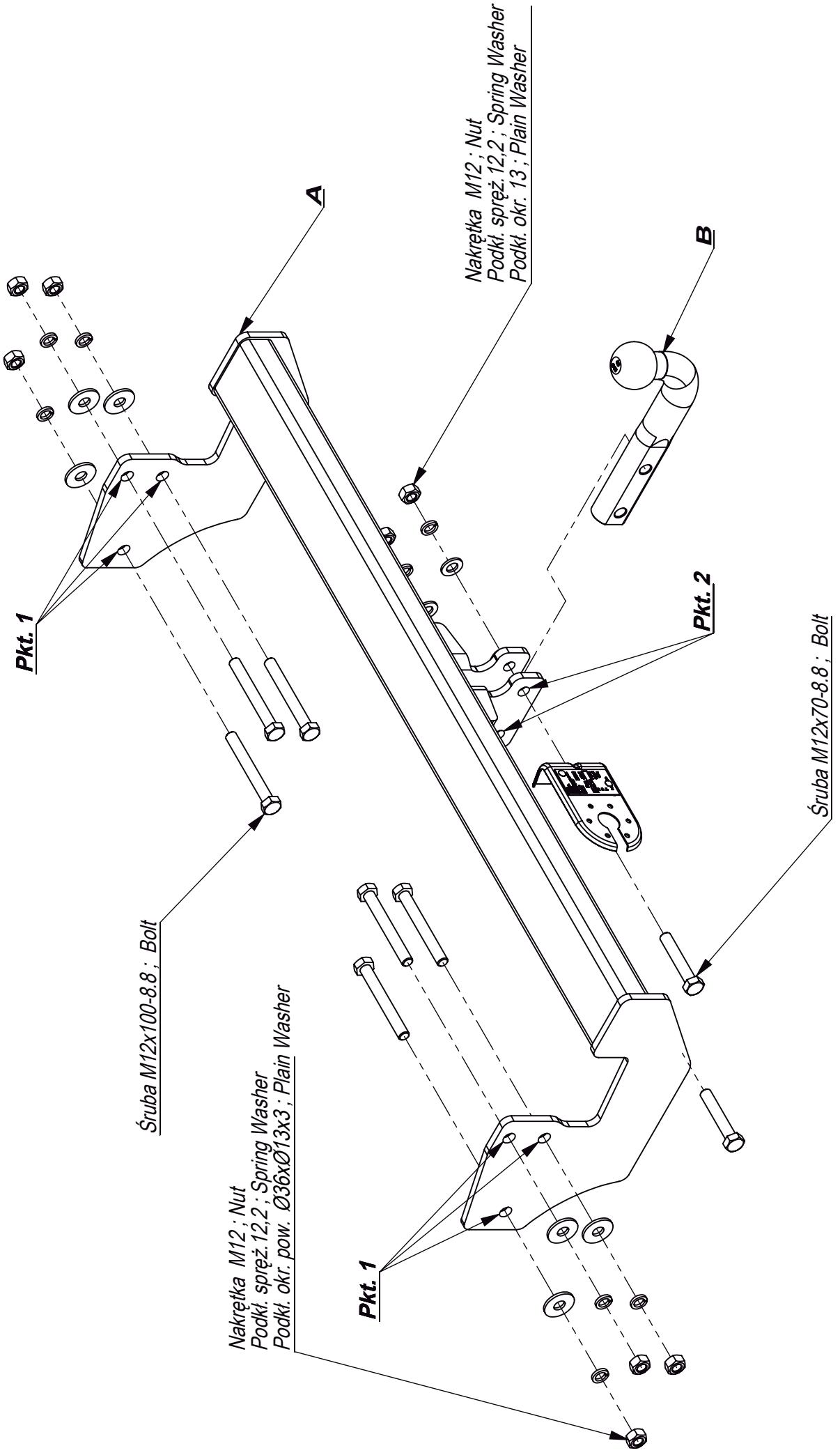
Moment skręcający dla śrub i nakrętek (8.8) Torque settings for nuts and bolts (8.8)	
M8	25Nm
M10	55Nm
M12	85Nm
M14	135Nm
M16	195Nm





	A	x1
	B	x1
	C	x1

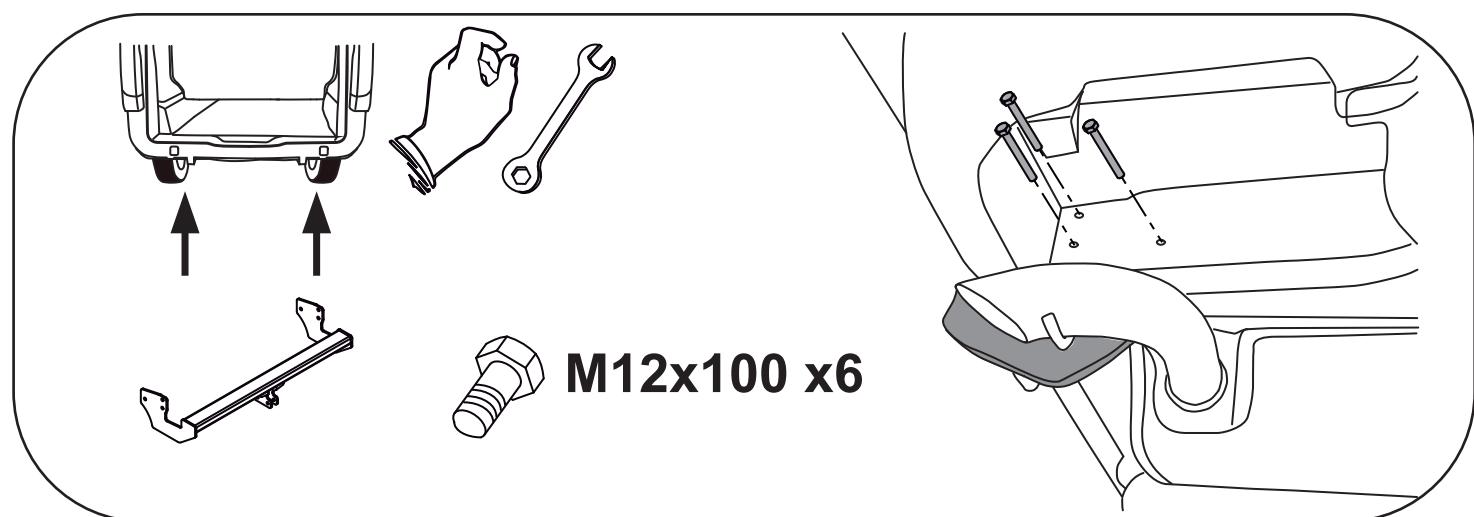
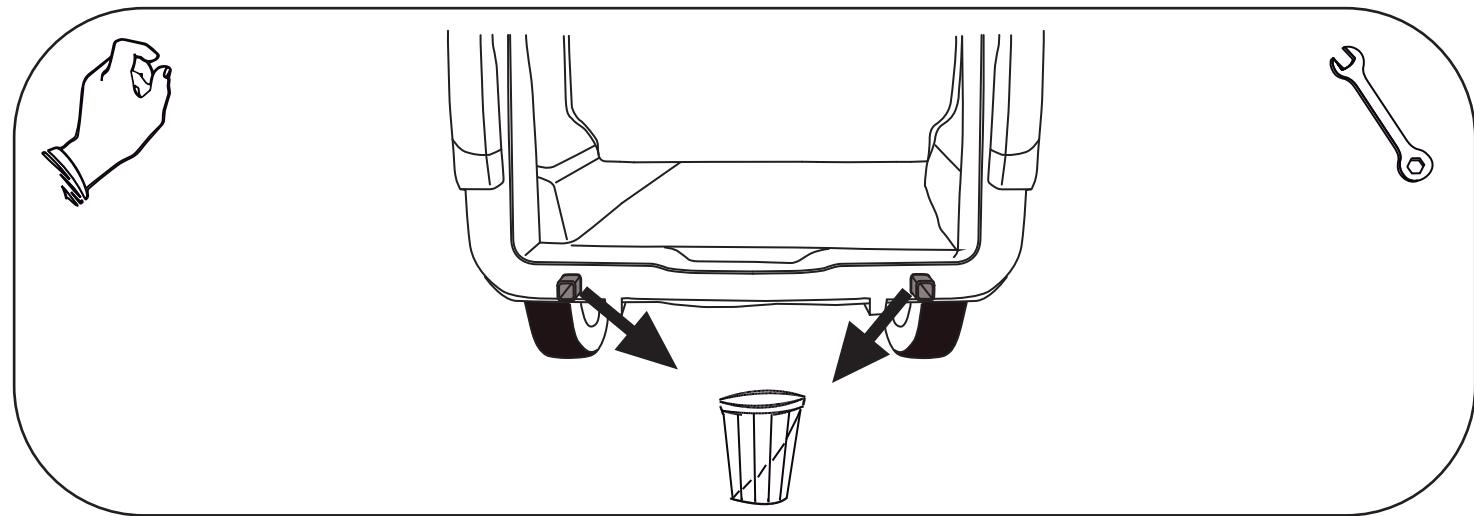
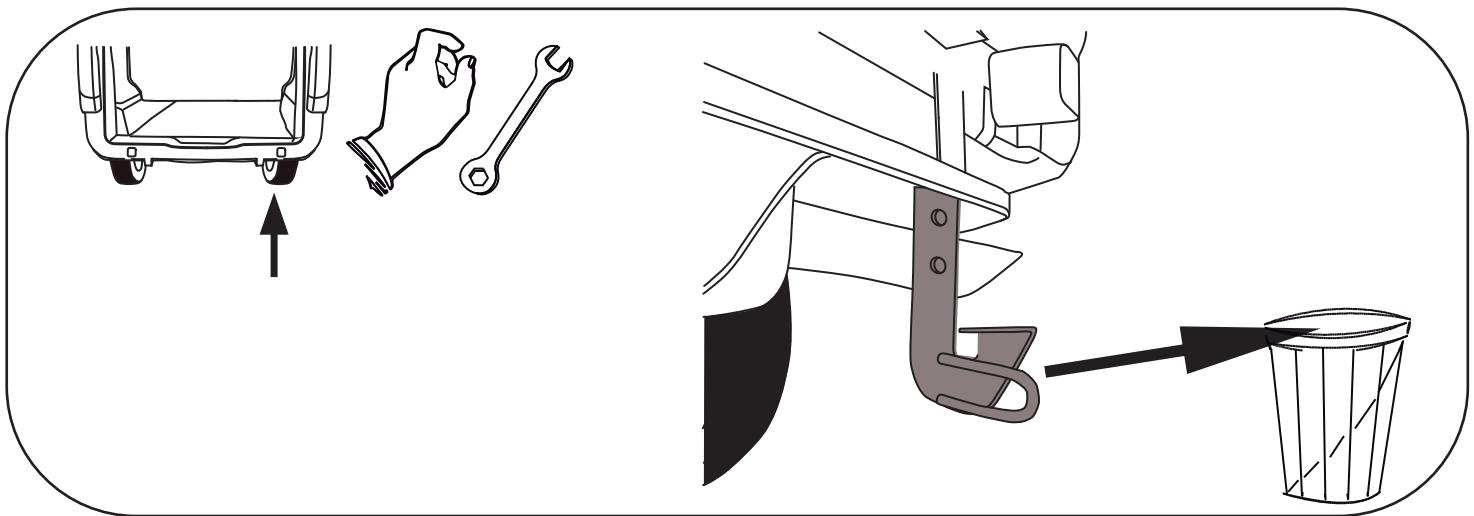
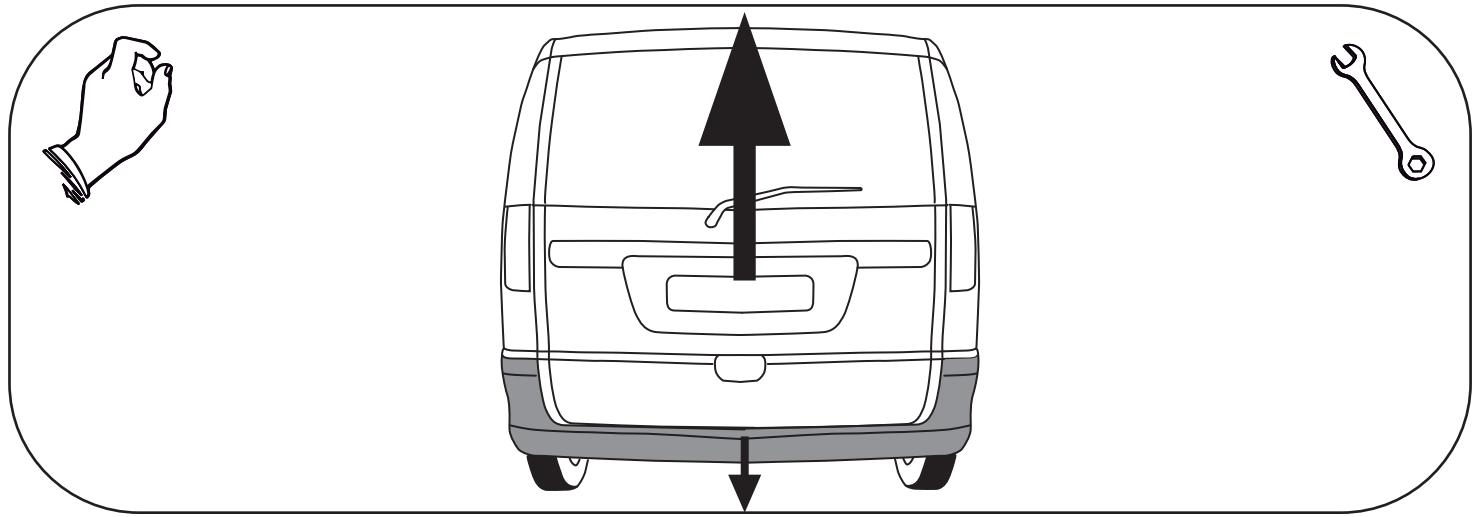
	<b>M12x70</b>	<b>2</b>
	<b>M12x100</b>	<b>6</b>
	<b>M12</b>	<b>8</b>
	<b>12,2</b>	<b>8</b>
	<b>13</b>	<b>2</b>
	<b>Ø36xØ13x3</b>	<b>6</b>

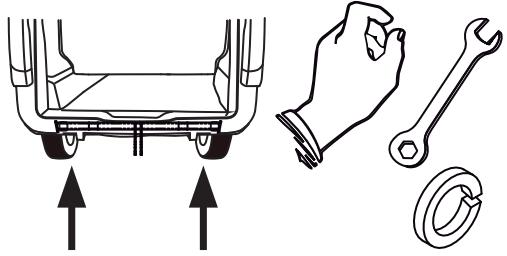


- Odkręcić zderzak i ucho holownicze (nie będzie już wykorzystane).
- Poprzez otwory w ramie przykręcić lekko belkę zaczepu A śrubami M12x100 8.8 (pkt 1).
- Dokręcić wszystkie śruby z momentem wg tabeli.
- Wykonać wycięcie w dolnej części zderzaka wg rysunku.
- Przykręcić zderzak.
- Przykręcić kulę i blachę gniazda elektrycznego śrubami M12x70 8.8.
- Podłączyć instalację elektryczną.

- Unscrew the bumper and towing eye (it will not be used any more).
- Screw slightly the main bar A, through the holes in the chassis, with bolts M12x100 8.8 (point 1).
- Tighten all the bolts according to the torque setting- see the table.
- Cut out the fragment in the lower part of the bumper, according to the drawing.
- Screw the bumper.
- Fix the ball and electric plate with bolts M12x70 8.8.
- Connect the electric wires.

- Dévisser le pare-chocs et crochet (il ne sera plus utilisé),
- Visser légèrement la traverse d'attache A,  
à travers les ouvertures de renfort,  
par les boulons M12x100 8.8 (point 1),
- Serrer tous les boulons avec un couple de serrage selon tableau,
- Ouvrir le pare-chocs en partie basse selon croquis,
- Fixer un pare-chocs,
- Visser le crochet d'attelage et socle de prise électrique  
par les boulons M12x70 8.8.
- Raccorder le circuit électrique.

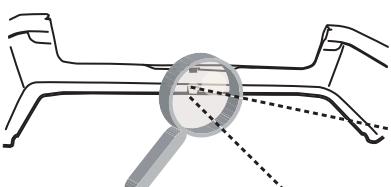
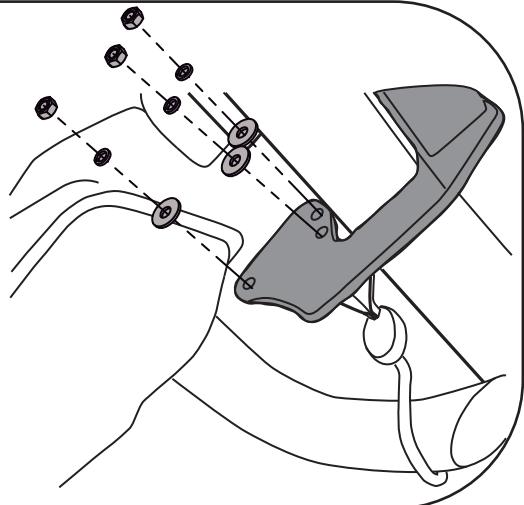




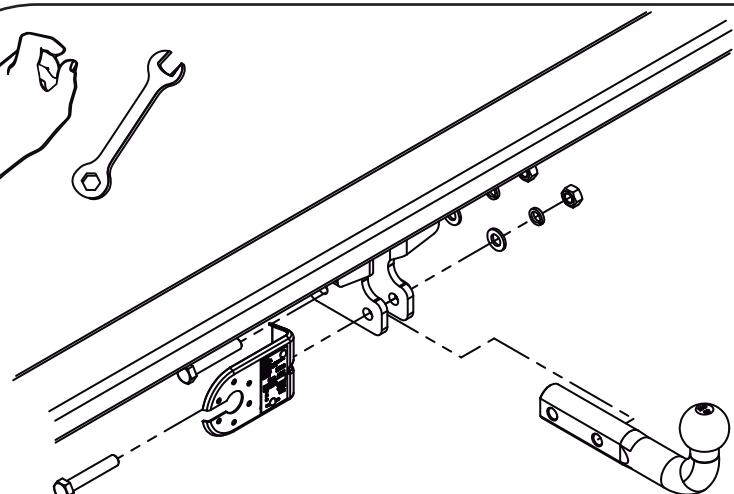
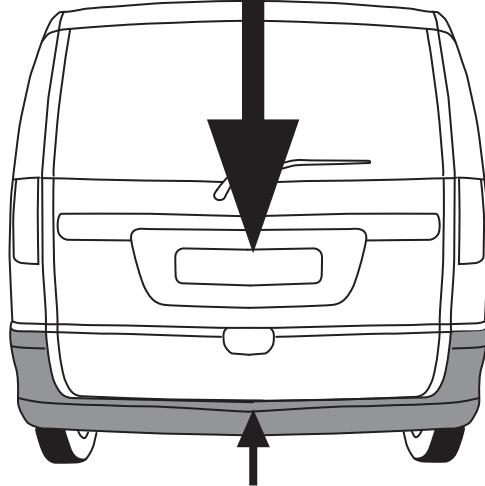
**12,2 x6**

**Ø36xØ13x3 x6**

**M12 x6**



55  
50



**M12x70 x2**

**12,2 x2**

**13 x2**

**M12 x2**