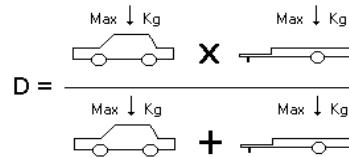


ISTRUZIONI DI MONTAGGIO

FITTING INSTRUCTIONS
INSTRUCTIONS DE MONTAGE
MONTAGEANLEITUNG
INSTRUCCIONES DE MONTAJE

DISPOSITIVO DI TRAINO TIPO
TOWING BRACKET TYPE
DISPOTIF DE REMORQUAGE TYPE
ANHAENGEVORRICHTUNG TYP
DISPOSITIVO DE CAREO TIPO

28052/C

PER AUTOVEICOLI FOR CARS POUR AUTOS FUR KRAFTFAHRZEUGE PARA AUTOVEHICULO	OPEL VECTRA SW	
TYPE	VECTRA/SW Z-C/SW	2003 →
CLASSE E TIPO DI ATTACCO CLASS AND HITCH TYPE CLASSE ET TYPE DE CROCHET KLASSE UND BEFESTIGUNGSART CLASES DE ACOPLAMIENTO	OMOLOGAZIONE HOMOLOGATION HOMOLOGATION ZULASSUNG APROBACION	CARICO VERTICALE MAX S VALUE MASSE VERTICALE MAXIMUM ZUL. STUETZLAST CARGA MAX. VERTICAL
F	e3 00 - 7188 (DIR. 94/20/CE)	S = kg 110
VALORE D D VALUE VALEUR D D WERT VALOR D	D = 10,6 kN	$D = \frac{\text{Max } \downarrow \text{ Kg}}{\text{Max } \downarrow \text{ Kg}} \times \frac{\text{Max } \downarrow \text{ Kg}}{\text{Max } \downarrow \text{ Kg}} \times 0,00981 \leqslant 10,6 \text{ kN}$ 

COPPIA DI SERRAGGIO PER VITI (8.8): TORQUE SETTINGS FOR NUTS AND BOLTS (8.8): COUPLE DE SERRAGE POUR VIS (8.8): SCHRAUBENANZUGSMOMENT (8.8): MOM. DE PRESION PARA TORNILLOS Y TUERCAS (8.8):	M6 = 10 Nm M8 = 25 Nm M10 = 55 Nm M12 = 85 Nm M14 = 135 Nm M16 = 200 Nm
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SAFETY INSTRUCTIONS

- Make sure that the towbar is suitable for the vehicle before starting the installation.
- For safety, all work involving towbar installation (incl. electrical components) must be undertaken by skilled technicians.
- Damaged components must be replaced with manufacturer's spares and fitted by qualified staff.
- It is forbidden to make any modification or structural repair to towing assembly.
- The towball must be kept clean and lubricated. For added safety, his diameter (50 mm) must be checked at regular intervals. If the towball measures less than 49 mm after selected readings across the diameter, the towball must be replaced with a new one.
- After 1000 km of towing, check torque settings for nuts and bolts, in accordance with the table.
- Umbra Rimorchi cannot be held responsible for any defects in the product caused by fault or by any injudicious use whatever of the user or a person he is liable for.

FITTING INSTRUCTIONS

28052/C

Remove below the vehicle any mastic from contact points between the car body and the tow bar; then paint mastic free pieces with anti rust paint. The holes for the tow bar fixing are available. The holes for the tow bar fixing are available.

1. Disassemble the muffler bearing removing the two rubber tops. Loose the clamp that rigidly couple the muffler to the exhaust pipe and rotate to lower it.
2. Inside the boot, disassemble the fixing luggage shackles, the floor coating and the left side cover.
3. Inside the boot make three holes Ø22 with reference to " 1, 2, 3" on the left side and three holes Ø22 with reference to "1, 2, 8" on the right side in correspondence with the inserted burins; insert the respective spacers inside the chassis-rails.
4. Position the counter-plate "A" referring to the holes "1,2,3" and the right counter-plate "D" referring to the holes "1,2,8" and lower the screws inside of the chassis-rails;
5. Place the bearings "B" under the chassis-rails of the vehicle referring to the holes "1,2,3" on the left and "1,2,8" on the right and fix them with their counter-plates "A" and "D" interposing the wide washers in position "2 and 8";
6. Insert the cross bar "C" between the bearings "B" referring to the holes "4 and 5" and fix;
7. Tighten all bolts and nuts as shown in the enclosed layout;
8. Connect the wirings to the socket, following the instructions shown in the "use and maintenance" car booklet and the positions which are indicated in the attached wiring kit's layout;
9. Back together the inner coating and the fixing luggage shackles;
10. Position the the exhaust pipe and hook up again it to the rubber tops and tighten the clamp.

DISAPPEARING ELECTRICAL SOCKETHOLDER

28052/C OPEL VECTRA SW	v. 1.0	01/01/2011	 UMBRA RIMORCHI	P. 3 / 5
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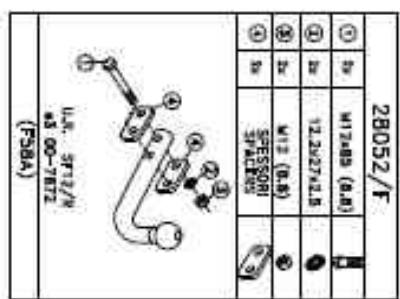
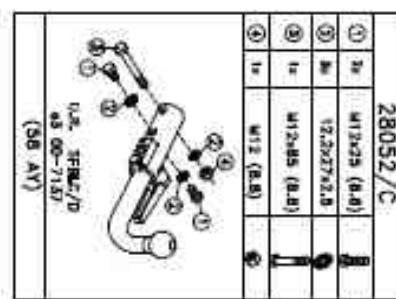
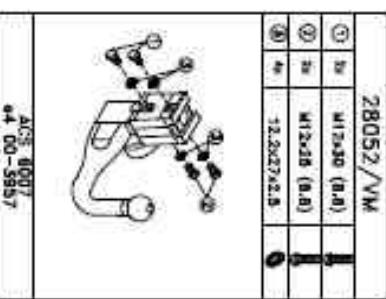
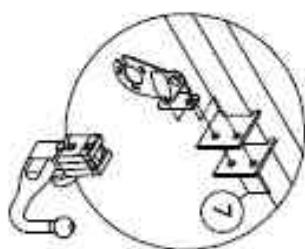
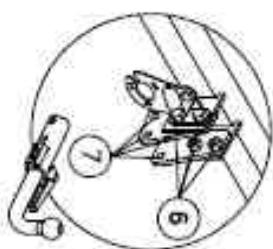
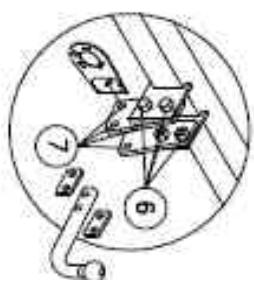
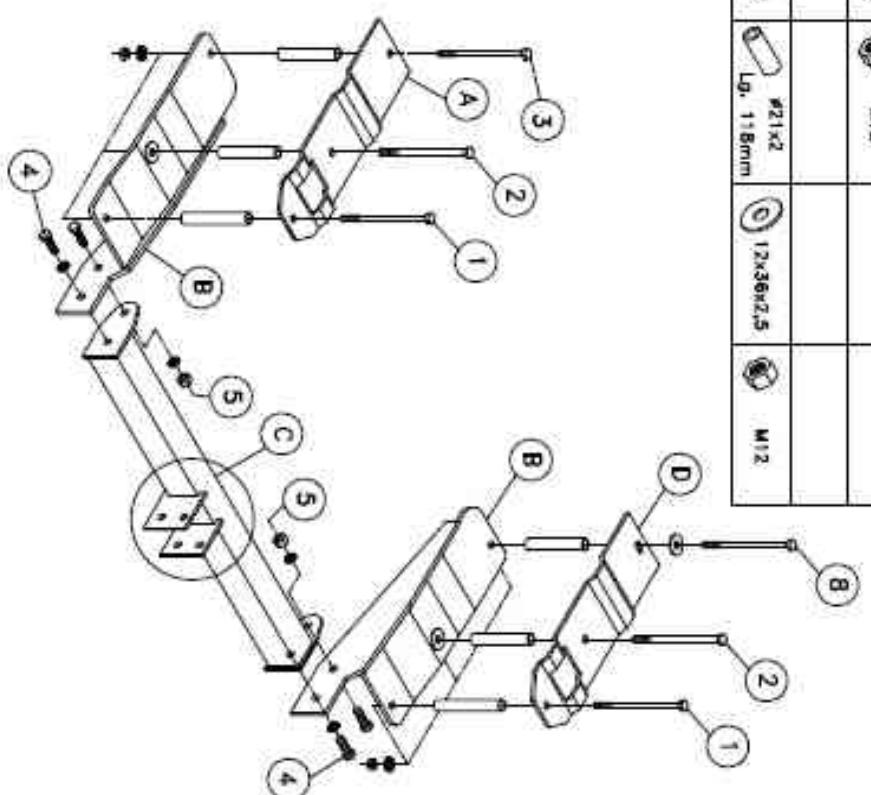
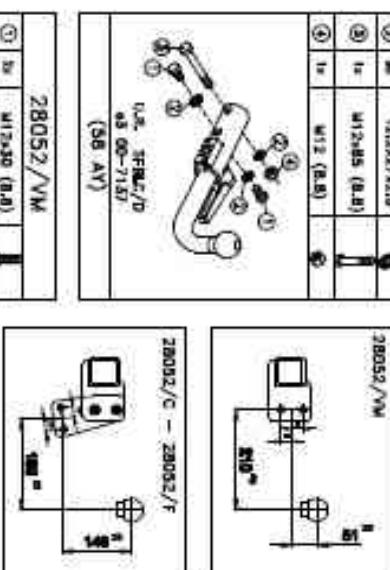
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28052/F			
①	2x	M12x170	12x2/x2 L _b , 133mm
②	2x		#21x2
③	2x	M12 (8,8)	12x27x2 L _b , 120mm
④	2x	SPEZIAL SPLINE	⑤ 12x56x2,9 M12
⑤	1x	M12x160	12x27x2 L _b , 118mm
⑥	2x		M12
⑦	2x	M12x50	12x27x2
⑧	2x	M12x30	12x27x2
⑨	1x	M12	
⑩	1x	M12x150	12x27x2 L _b , 118mm

28052/C

28052/C			
①	1x	M12x29 (8,8)	
②	1x	12x27x2,9	
③	1x	M12x55 (8,8)	
④	1x	M12 (8,8)	
⑤	1x	M12x29 (8,8)	
⑥	4x	M12x30	12x27x2
⑦	1x	M12	
⑧	1x	M12x150	12x27x2 L _b , 118mm

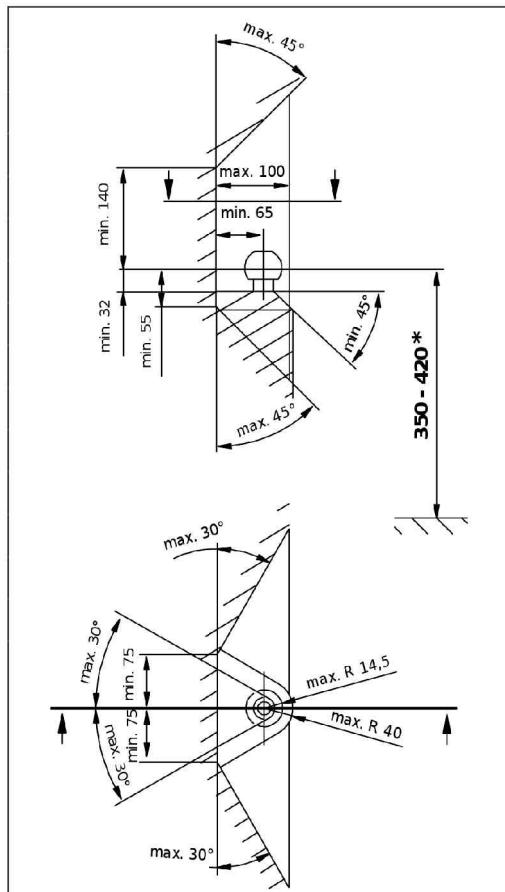
28052/V/M



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Der Freiraum nach Anhang VII, Abbildung 30 der Richtlinie 94/20/EG ist zu gewährleisten.
 Volný prostor ve smyslu Přílohy VII, obr. 30 Směrnice č. 94/20/EG musí být zaručen.
 Frirummet skal overholdes iht. bilag VII, fig. 30 i direktiv 94/20/EF.
 Debe garantizarse el espacio libre, conforme al anexo VII, imagen 30 de la directiva comunitaria 94/20/CE.
 L'espace libre doit être garanti conformément à l'annexe VII, illustration 30 de la directive 94/20/CE.
 Liitteen VII, direktiivin 94/20/EY kuvan 30 mukainen vapaatila on taattava.
 The clearance specified in appendix VII, diagram 30 of guideline 94/20/EC must be guaranteed.
 Πρέπει να εξασφαλίζεται ο ελεύθερος χώρος σύμφωνα με το Παράρτημα VII, εικόνα 30 της Οδηγίας 94/20/ΕΚ.
 Deve essere garantito lo spazio libero secondo l'allegato VII, figura 30 della direttiva 94/20/CE.
 Frirommet etter tillegg VII, figur 30 i direktiv 94/20/EØF skal overholdes.
 De tussenruimte volgens aanhangsel VII, afbeelding 30 van de richtlijn 94/20/EG moet in acht worden genomen.
 Zagwarantować swobodną przestrzeń zgodnie z załącznikiem VII, rysunek 30 dyrektywy 94/20/CE.
 Glappet enligt bilaga VII, bild 30 i direktiv 94/20/EG ska garanteras.



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* bei zulässigem Gesamtgewicht des Fahrzeuges
 * při celkové přípustné hmotnosti vozidla
 * ved tilladt totalvægt for køretøjet
 * con peso total autorizado del vehículo
 * pour poids total en charge autorisé du véhicule
 * Ajoneuvon suurimmalla sallitulla kokonaispainolla
 * at gross vehicle weight rating
 * για το επιτρεπτό μικτό βάρος του οχήματος
 * per il peso complessivo ammesso del veicolo
 * ved kjøretøyets tillatte totalvekt
 * bij toegestaan totaal gewicht van het voertuig
 * przy dopuszczalnym ciężarze całkowitym pojazdu
 * vid fordonets tillåtna totalvikt