

ISTRUZIONI DI MONTAGGIO

FITTING INSTRUCTIONS
 INSTRUCTIONS DE MONTAGE
 MONTAGEANLEITUNG
 INSTRUCCIONES DE MONTAJE

DISPOSITIVO DI TRAINO TIPO TOWING BRACKET TYPE DISPOSITIF DE REMORQUAGE TYPE ANHAENGEVORRICHTUNG TYP DISPOSITIVO DE CAREO TIPO	45017/F
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PER AUTOVEICOLI FOR CARS POUR AUTOS FÜR KRAFTFAHRZEUGE PARA AUTOVEHICULO	HYUNDAI I30 2 Volumes, KIA CEE'D 5 Doors , KIA PRO-CEE'D 3 Doors	
TYPE	HYUNDAI FD, FDH KIA ED	2007 →
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 - 7465 (DIR. 94/20/CE)	S = kg 90
VALORE D D VALUE VALEUR D D WERT VALOR D	D = 8,7 kN	$D = \frac{\text{Max } \downarrow \text{ Kg} \times \text{Max } \downarrow \text{ Kg}}{\text{Max } \downarrow \text{ Kg} + \text{Max } \downarrow \text{ Kg}} \times 0,00981 \leq 8,7 \text{ kN}$

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):	<table border="0"> <tr> <td>M6 = 10 Nm</td> <td>M8 = 25 Nm</td> </tr> <tr> <td>M10 = 55 Nm</td> <td>M12 = 85 Nm</td> </tr> <tr> <td>M14 = 135 Nm</td> <td>M16 = 200 Nm</td> </tr> </table>	M6 = 10 Nm	M8 = 25 Nm	M10 = 55 Nm	M12 = 85 Nm	M14 = 135 Nm	M16 = 200 Nm
M6 = 10 Nm	M8 = 25 Nm						
M10 = 55 Nm	M12 = 85 Nm						
M14 = 135 Nm	M16 = 200 Nm						

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, its 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

45017/F

Remove the eventual protection mastic from areas which may come in contact with the tow bar assembly and paint areas with anti-rust paint.

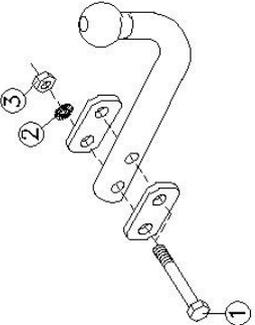
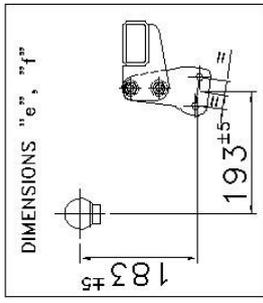
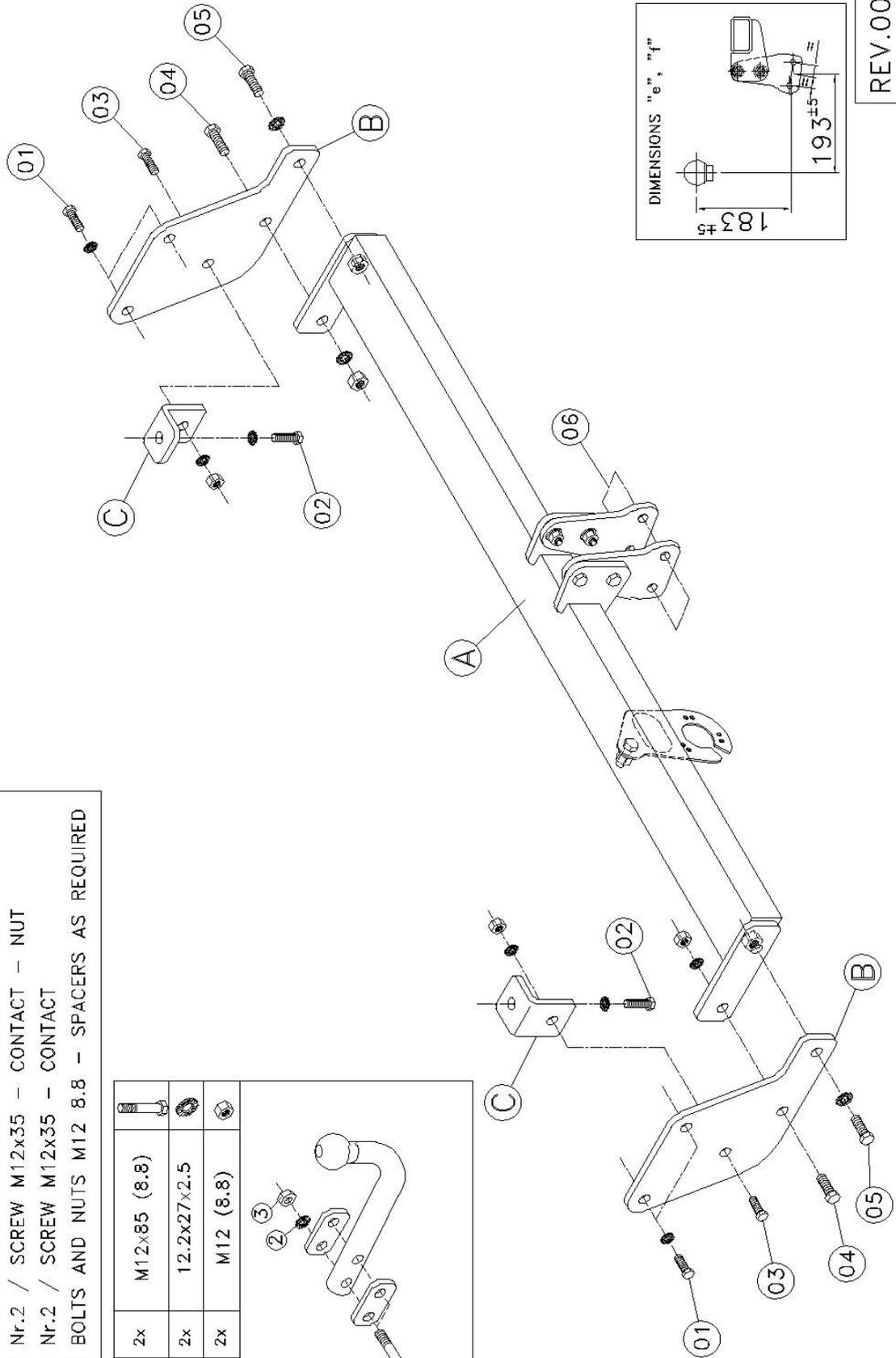
1. Remove the lower plastic undertray and side plastic casing.
2. **Just for Hyundai I30 5 doors:** remove the cable of the fog light from the central support of the bumper.
3. **Just for Hyundai I30 5 doors:** Remove the central lower support inside the bumper.
4. Locate items B along the outside face of the two chassis rails using holes 01. Insert the screws and tighten.
5. Locate item C along the bottom face of the chassis rails and the internal surface of items B using holes 02 and 03. Insert the screws and fix.
6. Attach item A to items B using holes 04 and 05. Insert the screws and tighten.
7. Tighten all bolts and nuts
8. Connect the wirings to the socket.
9. Remove and discard side casings (side riveted to the plastic central cover)
10. According to the vehicle, cut the bumper as showed. Cut the undertray as showed and refit.

DISAPPEARING SOCKET

ITEM N. 45017/F

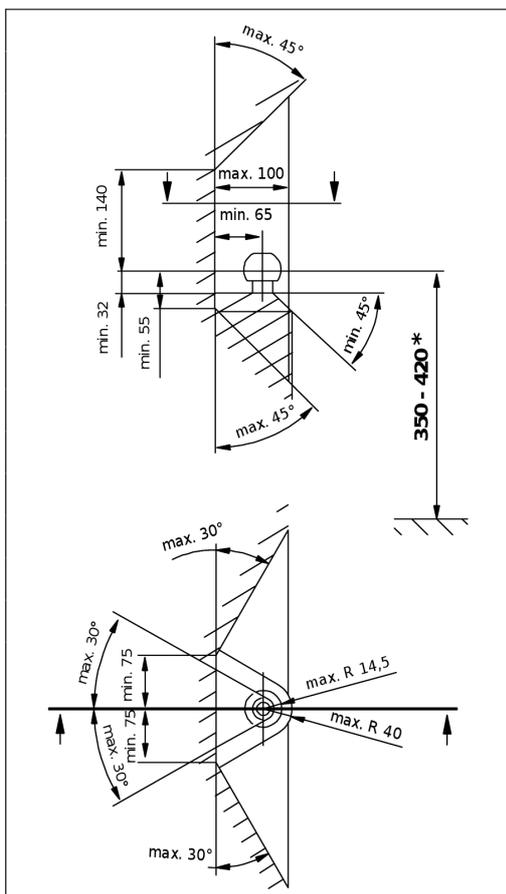
- 01) Nr.4 / SCREW M10x30 passo 1,25 - CONTACT
- 02) Nr.2 / SCREW M10x30 passo 1,25 - CONTACT
- 03) Nr.2 / SCREW M10x30 - CONTACT - NUT
- 04) Nr.2 / SCREW M12x35 - CONTACT - NUT
- 05) Nr.2 / SCREW M12x35 - CONTACT
- 06) BOLTS AND NUTS M12 8.8 - SPACERS AS REQUIRED

①	2x	M12x85 (8.8)	
②	2x	12.2x27x2.5	
③	2x	M12 (8.8)	

REV.00

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



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