 **MISUTONIDA**
italian style **4x4**
accessories



EC Type Approval Certificate
 Certificato d'omologazione Europea
 Certifié d'homologation Européenne

EC Approved Ø 63mm Frontal System
Protezione Anteriore Ø 63mm Omologata
Protection Anterieure Ø 63mm Homologuée
 for/per/pour

FOTON TUNLAND G7
2023>

PART EC/MED/538/IX



Approval sign
Codice di omologazione
Code d'homologation

B e9 03 11002 Type537

*Certificato valido solo in assenza di modifiche strutturali

*Certificate valid only without structural changes

*Certifié valid seulement sans modifications structurales



MINISTERIO
DE INDUSTRIA
Y TURISMO

SECRETARÍA DE ESTADO DE
INDUSTRIA

DIRECCIÓN GENERAL DE ESTRATEGIA
INDUSTRIAL Y DE LA PEQUEÑA Y
MEDIANA EMPRESA



e9*2021/535/XII*2024/883/A*11002*01

Página / Page 1/4

Comunicación relativa a ⁽¹⁾ / *Communication concerning* ⁽¹⁾:

- ~~la concesión de la homologación / approval granted~~
- la extensión de la homologación / *approval extended*
- ~~la denegación de la homologación / approval refused~~
- ~~la retirada de la homologación / approval withdrawn~~

de un tipo de unidad técnica independiente en relación los sistemas de protección delanteros de acuerdo con los requisitos del Anexo XII del Reglamento (EU) 2021/535 con su última enmienda de acuerdo al Reglamento (EU) No 2024/883.

/ of type-approval of a type of separate technical unit with regard to frontal protection systems in accordance with the requirements laid down in Annex XII to Regulation (EU) 2021/535, as last amended by Regulation (EU) No 2024/883.

Nº de homologación / *Approval No.*: e9*2021/535/XII*2024/883/A*11002*01

Nº de extensión / *Extension No.*: 01

Motivos de la extensión / *Reasons for the extension*:

- Incorporación de nuevo vehículo. / *Addition of new vehicle.*

SECCIÓN I / *SECTION I*

1. Marca / *Make (trade name of manufacturer)*: MISUTONIDA
2. Tipo/ *Type*: 537
3. Medio de identificación del tipo, si aplica en el componente/ unidad técnica independiente /*Means of identification of type, if marked on the component/separate technical unit* ⁽¹⁾ ⁽²⁾: No aplica / *Does not apply.*
- 3.1. Posición del marcaje / *Location of that marking*: No aplica / *Does not apply.*
4. Nombre y dirección del fabricante / *Name and address of manufacturer*:
MACH S.R.L., Via Fondovalle 3, 12062 Cherasco (CN), ITALY
5. En el caso de los componentes y las unidades técnicas independientes, emplazamiento y método de fijación de la marca de homologación UE / *In the case of components and separate technical units, location and method of affixing of the EU approval mark*: : Marcaje debajo de la placa central / *Approval mark below the central plate*
6. Nombre y dirección de las plantas de montaje / *Name(s) and address(es) of assembly plant(s)*:
MACH S.R.L., Via Fondovalle 3, 12062 Cherasco (CN), ITALY
7. Nombre y dirección del representante del fabricante (de haberlo) / *Name and address of the manufacturer's representative (if any)*: No aplica / *Does not apply.*

(1) Delete where not applicable (there are cases where nothing needs to be deleted when more than one entry is applicable).

(2) If the means of identification of type contains characters not relevant to describe the vehicle, system, component or separate technical unit types covered by this information document, such characters shall be represented in the documentation by the symbol '?' (e.g. ABC??123??).





MINISTERIO
DE INDUSTRIA
Y TURISMO

SECRETARÍA DE ESTADO DE
INDUSTRIA

DIRECCIÓN GENERAL DE ESTRATEGIA
INDUSTRIAL Y DE LA PEQUEÑA Y
MEDIANA EMPRESA

e9*2021/535/XII*2024/883/A*11002*01

Página / Page 2/4



SECCIÓN II / SECTION II

1. Información adicional (cuando proceda) / *Additional information (where applicable)*: véase la adenda/ *see Addendum*
2. Servicio técnico responsable de la realización de los ensayos / *Technical service responsible for carrying out the tests*: IDIADA
3. Fecha del acta de ensayo / *Date of test report*: 24/02/2026
4. Número del acta de ensayo / *Number of test report*: PC25120063, PC26020157
5. Observaciones (en su caso)/ *Remarks (if any)*: véase la adenda / *see Addendum*
6. Lugar/ *Place*: Madrid
7. Fecha / *Date*: Ver firma electrónica / *See digital signature*
8. Firma / *Signature*: Ver firma electrónica / *See digital signature*

Anexos / *Attachments*: Expediente de homologación / *Information package*

Informe de ensayo / *Test report*

Expediente que contenga la información a la que se hace referencia en el artículo 39, apartado 2, del Reglamento (UE) 2018/858 ⁽¹⁾ / *File containing the information referred to in paragraph 2 of Article 39 of Regulation (EU) 2018/858⁽¹⁾*

(1) Delete where not applicable (there are cases where nothing needs to be deleted when more than one entry is applicable).

(2) If the means of identification of type contains characters not relevant to describe the vehicle, system, component or separate technical unit types covered by this information document, such characters shall be represented in the documentation by the symbol '?' (e.g. ABC??123??).





MINISTERIO
DE INDUSTRIA
Y TURISMO

SECRETARÍA DE ESTADO DE
INDUSTRIA

DIRECCIÓN GENERAL DE ESTRATEGIA
INDUSTRIAL Y DE LA PEQUEÑA Y
MEDIANA EMPRESA

e9*2021/535/XII*2024/883/A*11002*01

Página / Page 3/4



Adenda / Addendum
del certificado de homologación de tipo UE N.º / to EU type-approval certificate number :

e9*2021/535/XII*2024/883/A*11002*01

1. Información adicional / *Additional information*:
 - 1.1. Método de fijación / *Method of attachment*: Atornillado / *Screwed*.
 - 1.2. Instrucciones de montaje e instalación / *Assembly and mounting instructions*: Instrucciones de montaje en el Anexo 3 de la documentación del fabricante. / *Annex 3 in the technical documentation*.
2. Lista de tipos de vehículos en los que se puede instalar el sistema, instrucciones de uso y condiciones necesarias par el montaje / *List of vehicles on which the frontal protection system may be fitted, any usage instructions and necessary conditions for fitting*:

Vehicle Type	Trade name	Number of type approval
SK8C	Maxus T60	e5*KS18/858*00005*..
SV63C	Maxus eT90	e4*2018/858*00074*..
PK1	Foton Tunland G7	e49*KS18/858*00025*..

5. Observaciones / *Remarks*:

(1) Delete where not applicable (there are cases where nothing needs to be deleted when more than one entry is applicable).
(2) If the means of identification of type contains characters not relevant to describe the vehicle, system, component or separate technical unit types covered by this information document, such characters shall be represented in the documentation by the symbol ‘?’ (e.g. ABC??123??).





6. Resultados de los ensayos con arreglo a los requisitos de la parte 2 del anexo XII del Reglamento (UE) 2021/535 / *Test results according to the requirements of Part 2 of Annex XII of Regulation (EU) 2021/535.*

Simulador de la parte inferior de la pierna / *Lower legform test*

Defensa 63 mm / *Frontal Protection 63 mm*

L1 – I260822FPMU L1 MED
L2 – I260823FPMU L2 MED

	Requisitos / Requirements	L1	L2
Elongación media collateral del ligamiento de rodilla (mm) / <i>medial collateral ligament elongation at the knee (mm)</i>	< 22 mm	7.79 mm	14.77 mm
Elongación del ligamento anterior cruzado (mm) / <i>anterior cruciate ligament elongation (mm)</i>	< 13 mm	3.94 mm	5.12 mm
Elongación del ligamento posterior cruzado (mm) / <i>posterior cruciate ligament elongation (mm)</i>	< 13 mm	2.20 mm	3.54 mm
Momento de flexión de la tibia (Nm) / <i>Dynamic bending moments at the tibia (Nm)</i>			
Momento superior de la tibia / <i>Tibia Upper Moment</i>	< 340 Nm	211.84 Nm	279.24 Nm
Momento superior intermedio de la tibia / <i>Tibia Middle-Upper Moment</i>	< 340 Nm	247.29 Nm	269.22 Nm
Momento inferior intermedio de la tibia / <i>Tibia Middle-Lower Moment</i>	< 340 Nm	156.23 Nm	166.90 Nm
Momento inferior de la tibia <i>Tibia Lower Moment</i>	< 340 Nm	72.35 Nm	74.57 Nm

Defensa 76 mm / *Frontal Protection 76 mm*

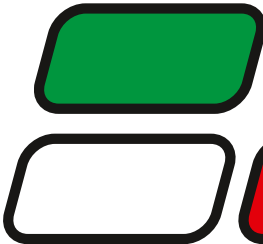
L1 – I260824FPMU L1 SB
L2 – I260825FPMU L2 SB

	Requisitos / Requirements	L1	L2
Elongación media collateral del ligamiento de rodilla (mm) / <i>medial collateral ligament elongation at the knee (mm)</i>	< 22 mm	11.70 mm	13.49 mm
Elongación del ligamento anterior cruzado (mm) / <i>anterior cruciate ligament elongation (mm)</i>	< 13 mm	4.62 mm	4.57 mm
Elongación del ligamento posterior cruzado (mm) / <i>posterior cruciate ligament elongation (mm)</i>	< 13 mm	2.44 mm	3.28 mm
Momento de flexión de la tibia (Nm) / <i>Dynamic bending moments at the tibia (Nm)</i>			
Momento superior de la tibia / <i>Tibia Upper Moment</i>	< 340 Nm	194.26 Nm	267.07 Nm
Momento superior intermedio de la tibia / <i>Tibia Middle-Upper Moment</i>	< 340 Nm	166.27 Nm	231.76 Nm
Momento inferior intermedio de la tibia / <i>Tibia Middle-Lower Moment</i>	< 340 Nm	106.86 Nm	136.08 Nm
Momento inferior de la tibia <i>Tibia Lower Moment</i>	< 340 Nm	51.16 Nm	59.33 Nm

(1) Delete where not applicable (there are cases where nothing needs to be deleted when more than one entry is applicable).

(2) If the means of identification of type contains characters not relevant to describe the vehicle, system, component or separate technical unit types covered by this information document, such characters shall be represented in the documentation by the symbol ‘?’ (e.g. ABC??123??).



 **MISUTONIDA**
italian style
accessories **4x4**



FOTON TUNLAND G7



45 Min.

Item Code

Codice Articolo

Référence Article

EC/MED/538/IX

GB

STAINLESS STEEL MEDIUM
BAR

ITA

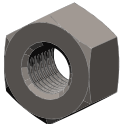
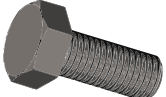
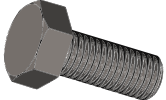
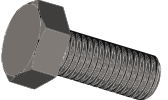
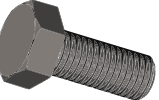
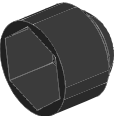
**MEDIUM BAR IN ACCIAIO
INOX**

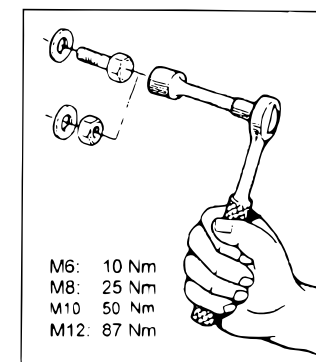
FR

MEDIUM BAR EN ACCIER
INOX

FOTON TUNLAND G7

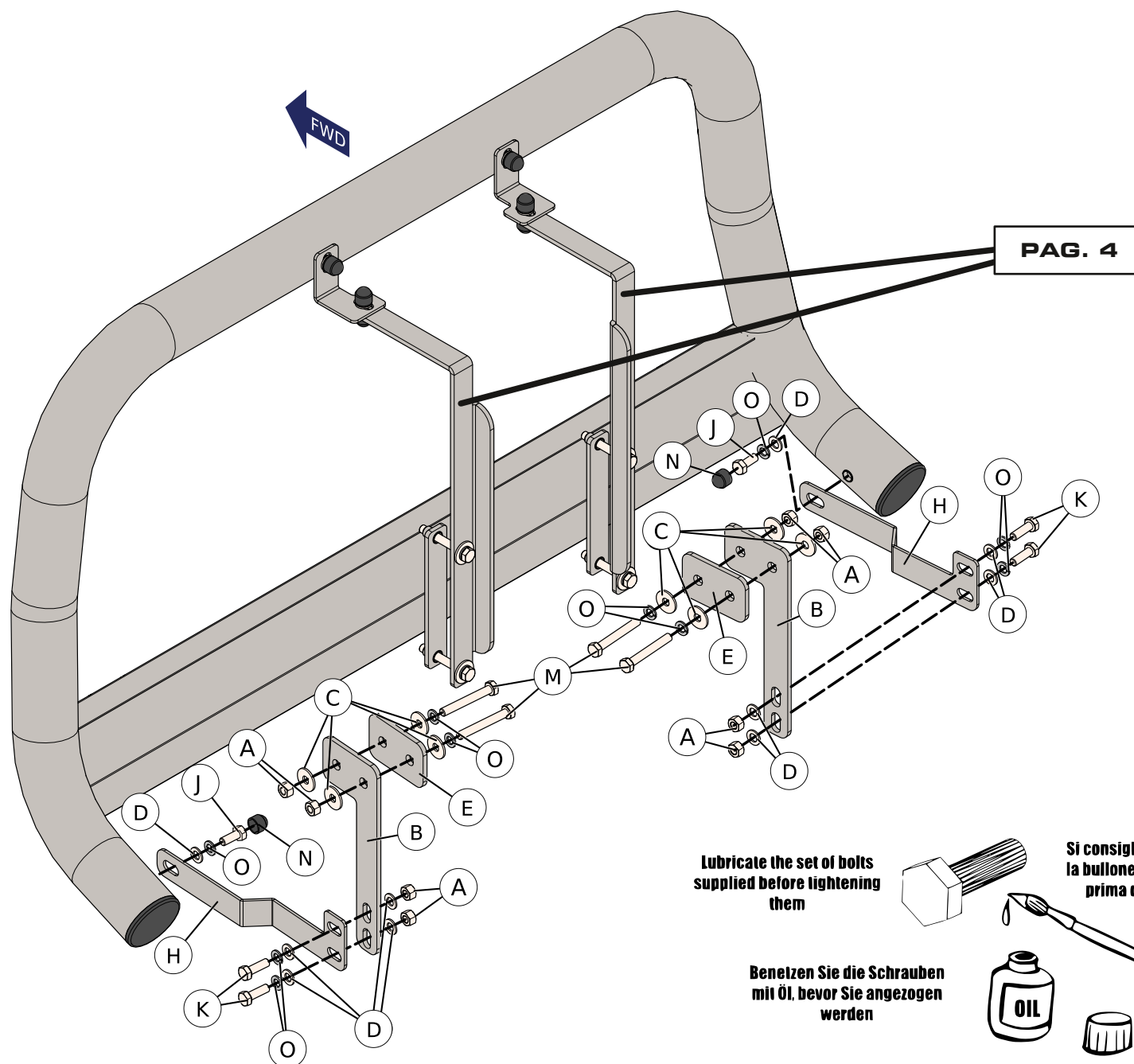
Part list
Lista Bulloneria
 Liste des pièces

A  M8 x 10	B  SM/538/C x 2	C  Big Grandi Grand Ø8 x 12	D  Ø8 x 16	E  SM/538/D x 2
F  SM/538/E x 2	G  SM/538/F x 2	H  SM/538/A x 2	I  SM/538/B x 2	J  TE M8X20 x 6
K  TE M8X25 x 4	L  TE M8X60 x 4	M  TE M8X90 x 4	N  M8 x 8	O  Ø8 x 18

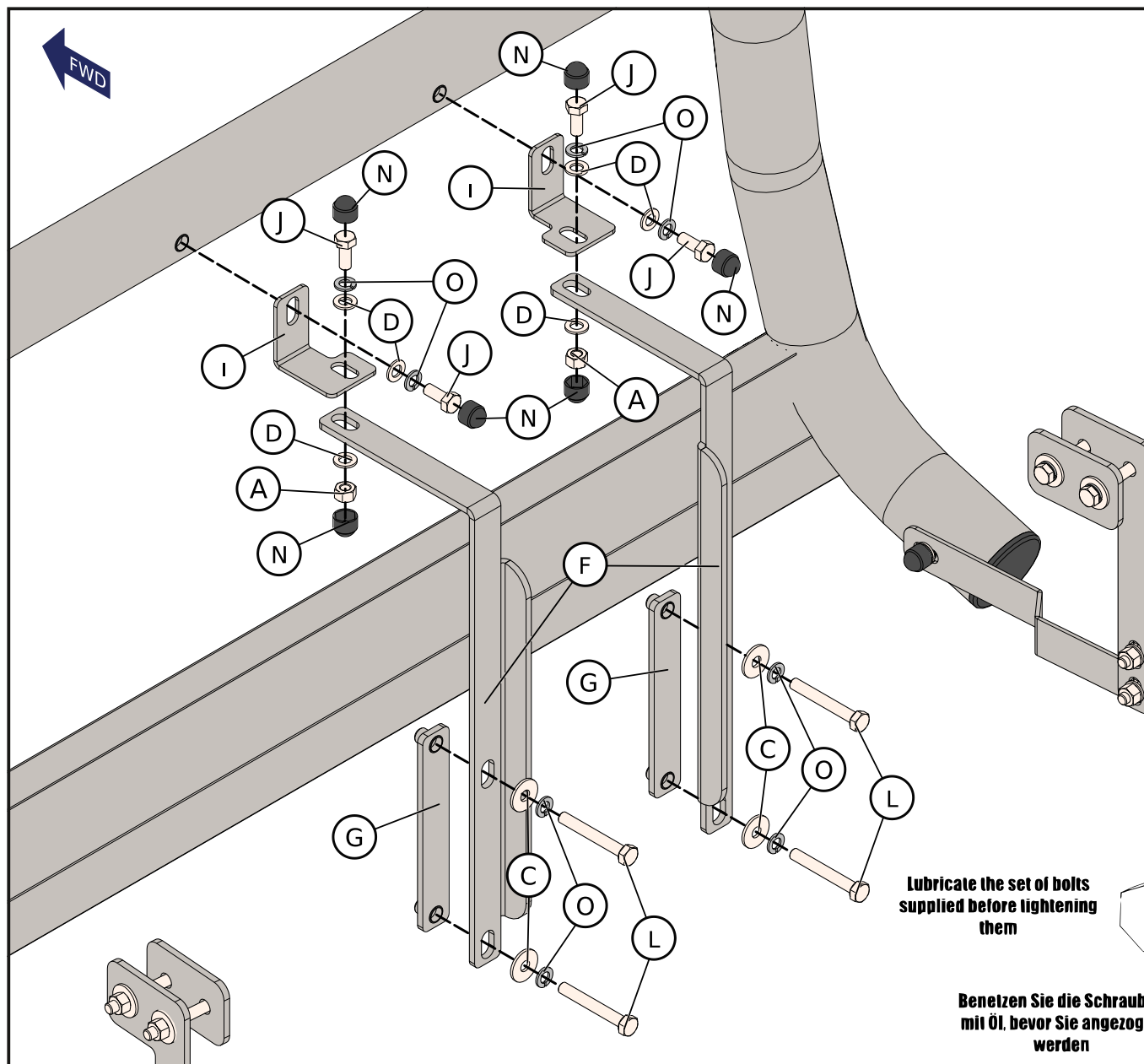


MISUTONIDA
 italian style
 accessories **4x4**

FOTON TUNLAND G7



FOTON TUNLAND G7



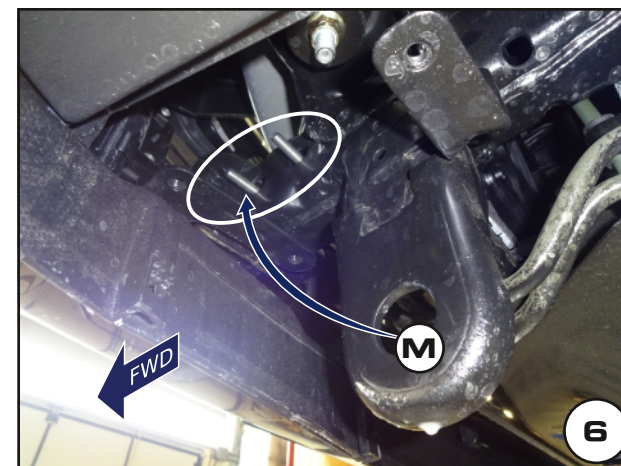
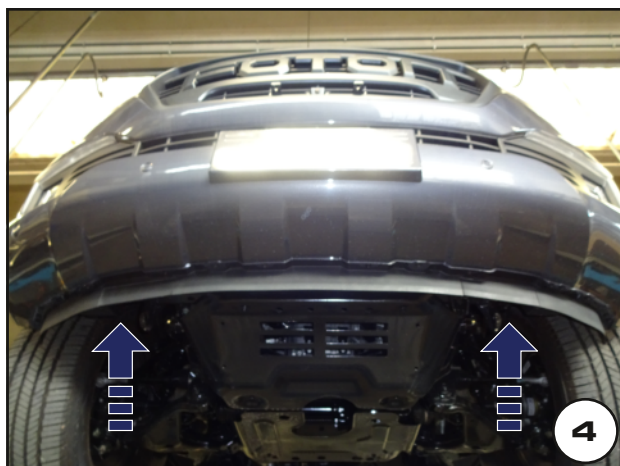
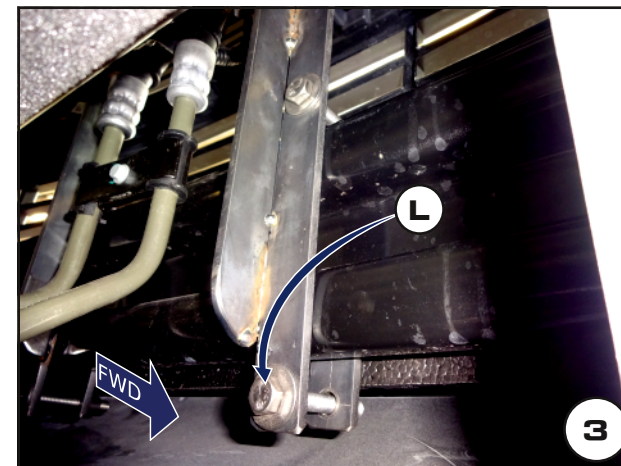
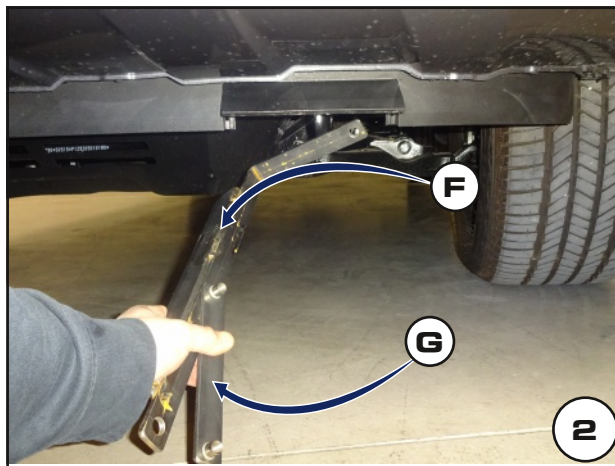
Lubricate the set of bolts
supplied before tightening
them

Benetzen Sie die Schrauben
mit Öl, bevor Sie angezogen
werden

Si consiglia di lubrificare
la bulloneria in dotazione
prima del serraggio



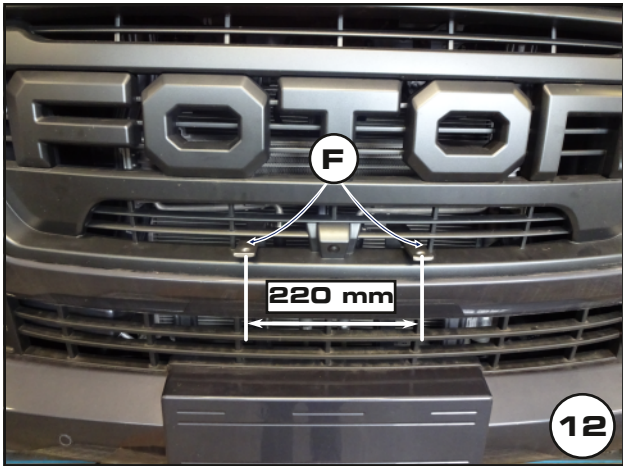
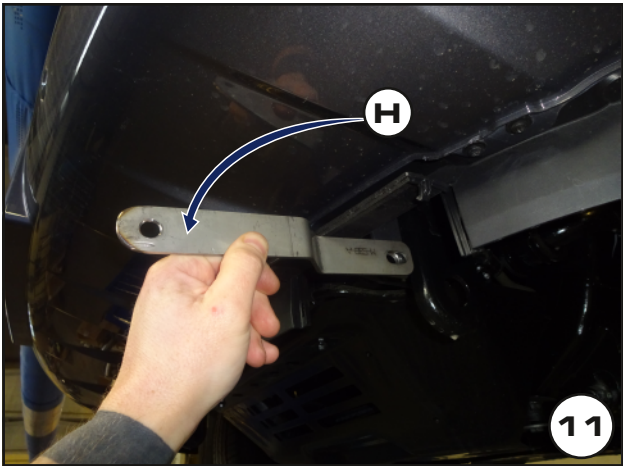
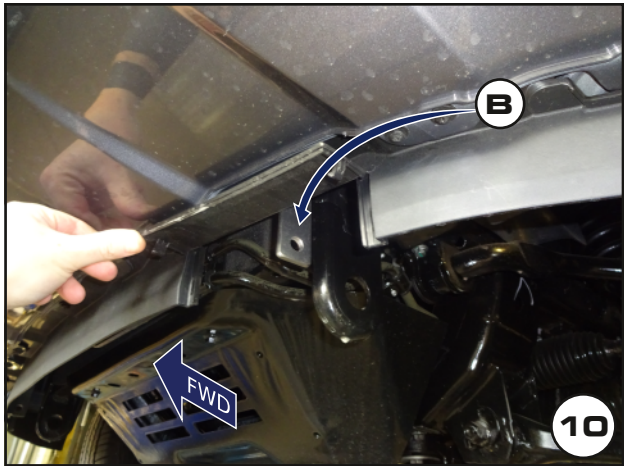
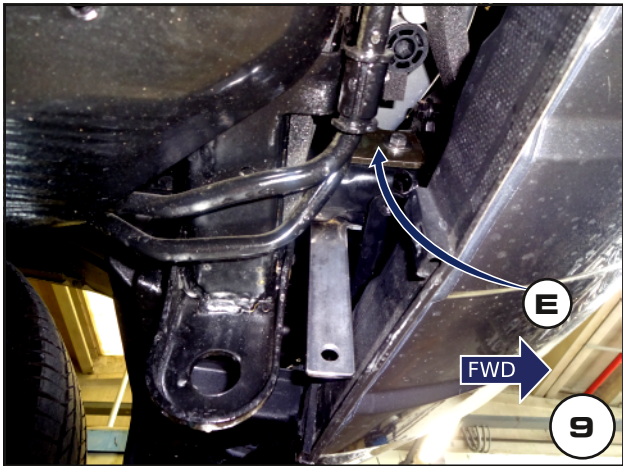
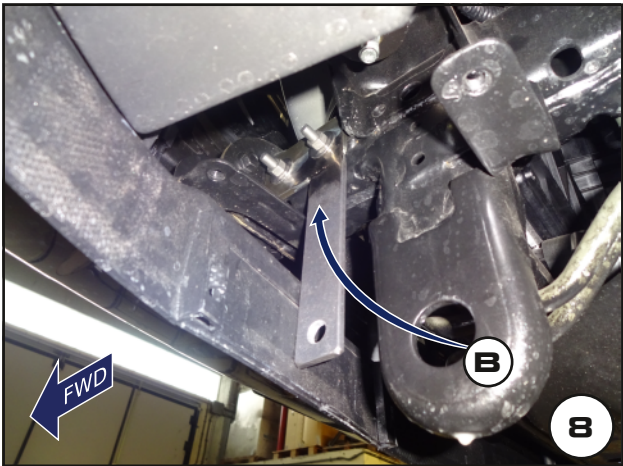
Lubrifier la boulonnerie
avant de la serrer



Date Data Date	Item Code Cod. Articolo Réf. Article	Vehicle model Modello Veicolo Modèle de Voiture
30/01/2026	EC/MED/538/IX	FOTON TUNLAND G7

Document checked and approved by
Documento controllato ed approvato da
Document contrôlé et approuvé par

BOTTA PIETRO



Date Data Date	Item Code Cod. Articolo Réf. Article	Vehicle model Modello Veicolo Modèle de Voiture
30/01/2026	EC/MED/538/IX	FOTON TUNLAND G7

Document checked and approved by
Documento controllato ed approvato da
Document contrôlé et approuvé par

BOTTA PIETRO



Date Data Date	Item Code Cod. Articolo Réf. Article	Vehicle model Modello Veicolo Modèle de Voiture
30/01/2026	EC/MED/538/IX	FOTON TUNLAND G7

Document checked and approved by
Documento controllato ed approvato da
 Document contrôlé et approuvé par

BOTTA PIETRO