FO247

FORD Ranger 2.0 EcoBlue

Dal 2023– motore 2.0 EcoBlue – 1996 cc – 4 cilindri – con e senza A/C - 4x2 e 4x4 – con servo sterzo elettrico - (per ragioni di spazio solo pompe fino a **16 cc)**

From 2023 – engine 2.0 EcoBlue – 1996cc – 4 cylinders – with and without A/C - 4x2 and 4x4 – with electric power steering - *(for reasons of space only pumps up to **16 cc**)*

Istruzioni di montaggio kit innesto elettromagnetico
Electromagnetic clutch kit installation instructions

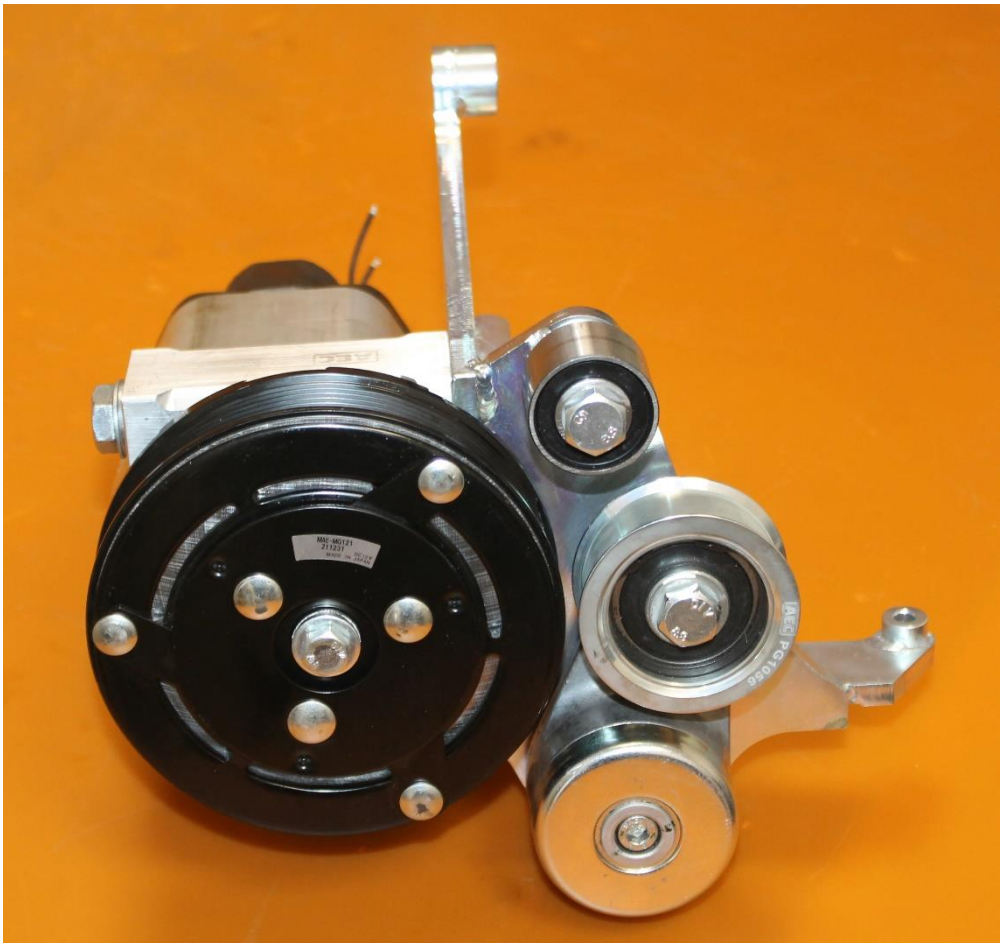
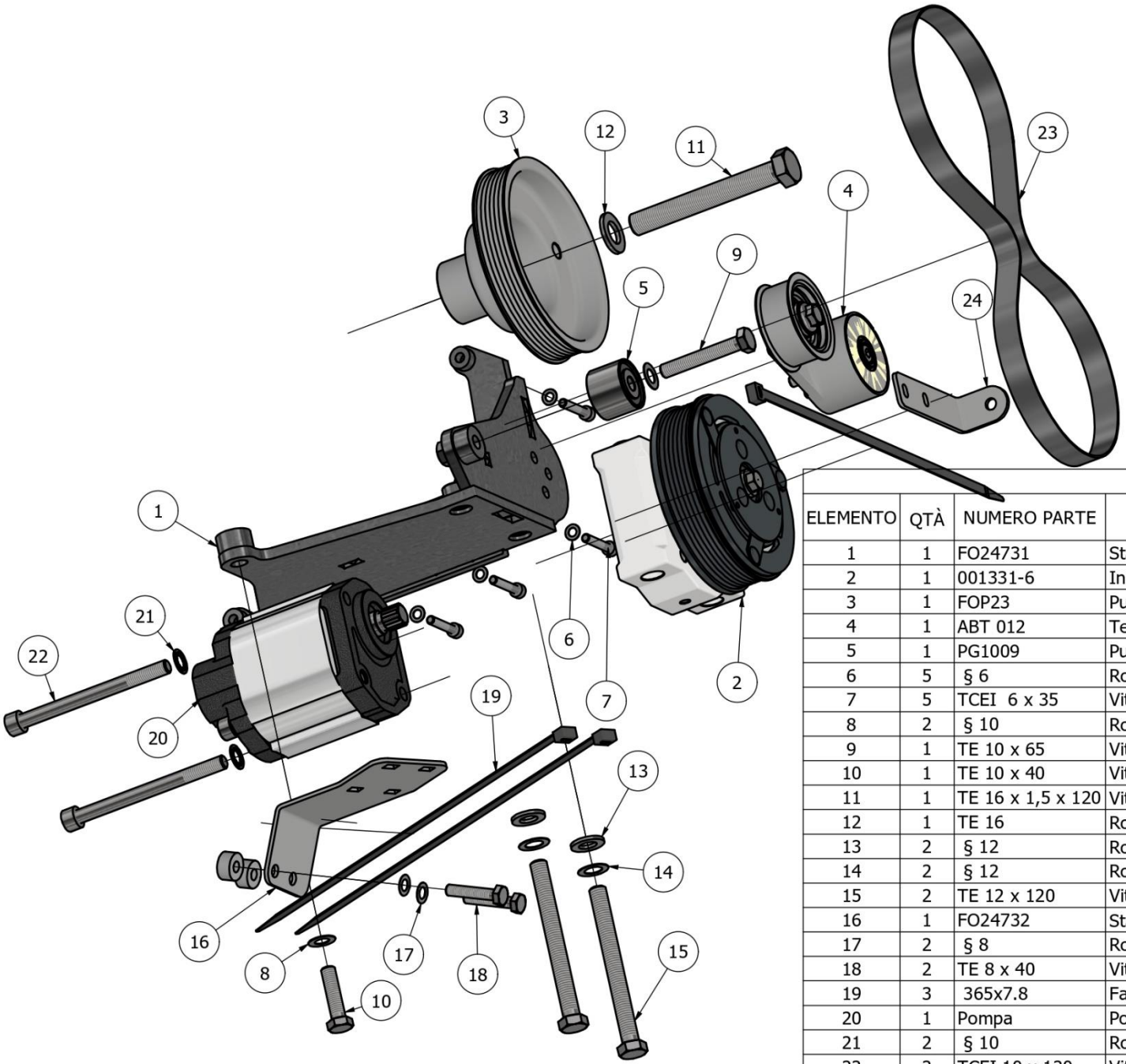


TABELLA GENERALE DI SERRAGGIO BULLONI (Nm) GENERAL TABLE OF TIGHTENING BOLTS (Nm)							
Qualità Quality	M6	M7	M8	M10	M12	M14	M16
8,8	10,3	17,1	25,5	50	87	138	210
10,9	14,7	24,5	35,3	70	122	194	299
12,09	17,6	28,4	42,1	85	147	235	358



ELENCO PARTI				
ELEMENTO	QTÀ	NUMERO PARTE	DESCRIZIONE	Description
1	1	FO24731	Staffa	Bracket
2	1	001331-6	Innesto elettromagnetico	Electromagnetic clutch
3	1	FOP23	Puleggia motore	Motor pulley
4	1	ABT 012	Tendicinghia	Belt tensioner
5	1	PG1009	Puleggia di rinvio	Return pulley
6	5	§ 6	Rondelle elastiche	Spring washers
7	5	TCEI 6 x 35	Viti con esagono incassato	Screws with hexagon socket
8	2	§ 10	Rondelle elastiche	Spring washers
9	1	TE 10 x 65	Vite a testa esagonale	Screw head hexagonal
10	1	TE 10 x 40	Vite a testa esagonale	Screw head hexagonal
11	1	TE 16 x 1,5 x 120	Viti a testa esagonale	Screw head hexagonal
12	1	TE 16	Rondella piana	Flat washer
13	2	§ 12	Rondelle piane	Flat washers
14	2	§ 12	Rondelle elastiche	Spring washers
15	2	TE 12 x 120	Viti a testa esagonale	Screws head hexagonal
16	1	FO24732	Staffa ausiliaria	Auxiliary bracket
17	2	§ 8	Rondelle elastiche	Spring washers
18	2	TE 8 x 40	Viti a testa esagonale	Screws head hexagonal
19	3	365x7.8	Fascetta	Cable tie
20	1	Pompa	Pompa con raccordi posteriori	Pump with rear fittings
21	2	§ 10	Rondelle zigrinate	Knurled washers
22	2	TCEI 10 x 120	Vite con esagono incassato	Screws with hexagon socket
23	1	6PK926	Cinghia	Belt
24	1	FO24706	Staffa ausiliaria	Auxiliary bracket

- **Scollegare il cavo negativo della batteria**
- **Sollevare il veicolo mediante un adeguato ponte sollevatore**
- **Smontare la protezione inferiore del motore**
- **Smontare la protezione passaruota**
- **Non è necessario smontare i radiatori**

- ***Disonnect the negative battery cable***
- ***Raise the vehicle by using a adeguate lift bridge***
- ***Disassemble the lower engine protection***
- ***Remove the wheel arch protector***
- ***It is not necessary to remove the radiators***



1



2

- Smontare ed eliminare il bullone di fissaggio della puleggia del motore , **non smontare la puleggia e le cinghie del motore**
- Sovrapporre la puleggia fornita e fissarle utilizzando il bullone e rondella forniti , stringendo a **210 Nm**

- *Disassemble and eliminate the engine pulley fixing bolt,* ***do not disassemble the pulley and the engine belt***
- *Overlap the provided pulley and secure them using the bolt and washer provide and tightening to* ***210 Nm***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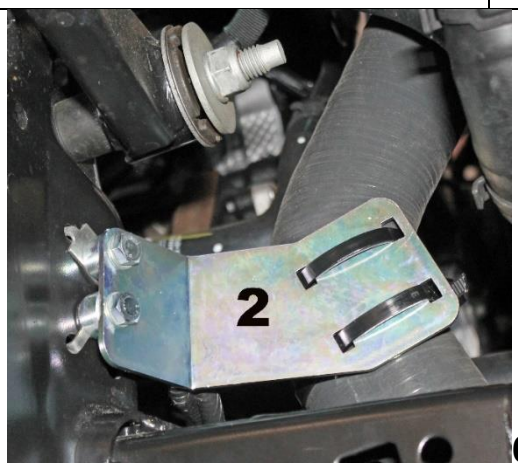

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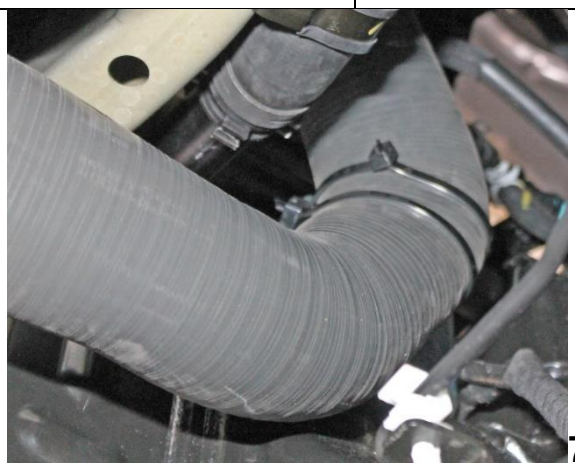
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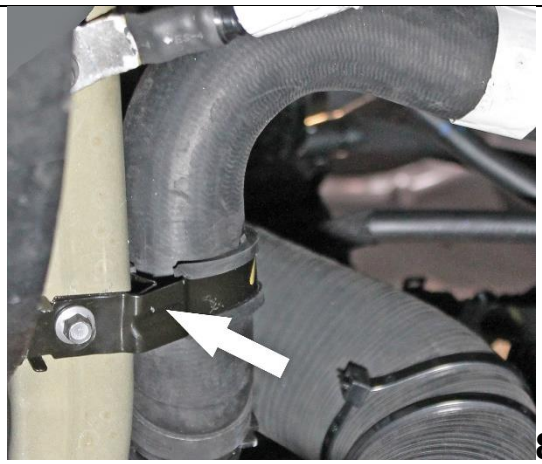
- Eliminare le viti di fissaggio dei cavi di massa , al loro posto installare la staffa fornita **2** . fissandola con le viti fornite
- Fissare il tubo intercooler , vicino al chassis , mediante le fasciette fornite

- *Remove the screws fixing the ground cables and install the supplied bracket **2** in their place. fixing it with the screws provided*
- *Secure the intercooler pipe, close to the chassis, using the provided clamps*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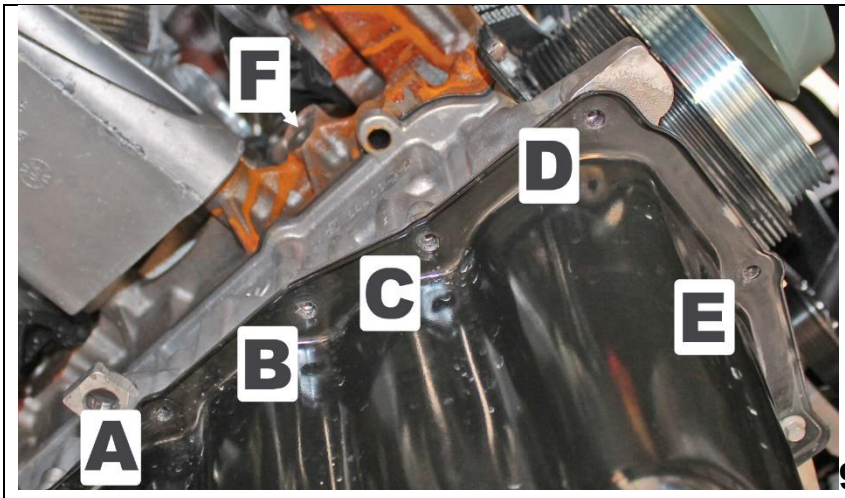
- Eliminare la fascetta indicate , al suo posto installare la staffa fornita e fissare il tubo mediante fascietta in plastic

- *Remove the indicated clamp, in its place install the supplied bracket and secure the tube using a plastic clamp*



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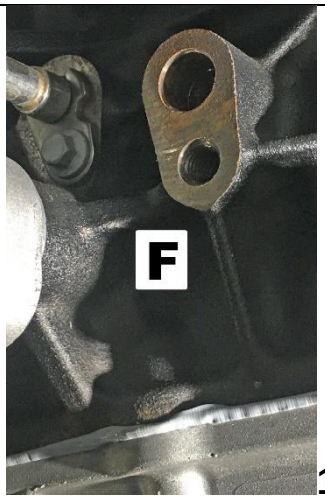

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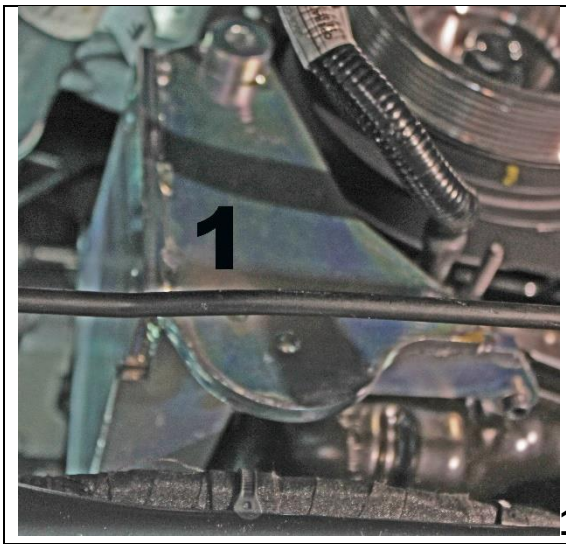
- Eliminare le viti nei fori **A B C D E** - Al loro posto installare il supporto **1**

- *Remove the screws in **A B C D E** - In it's place insert the bracket **1***



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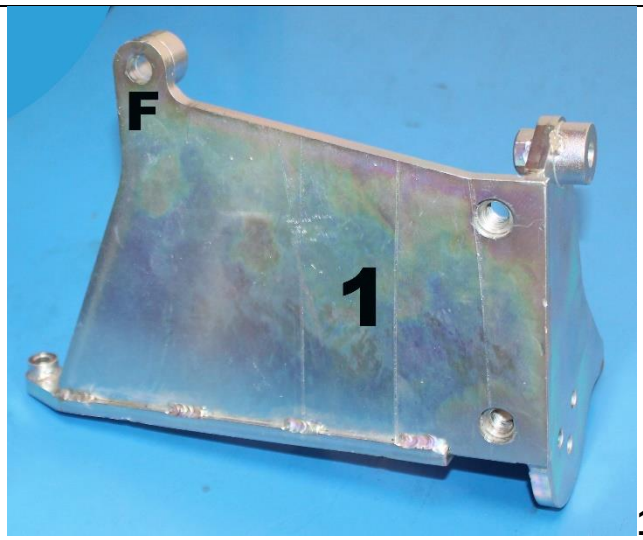

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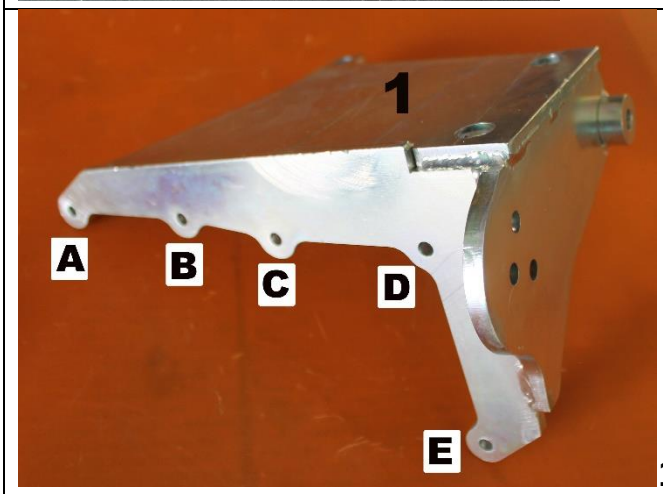

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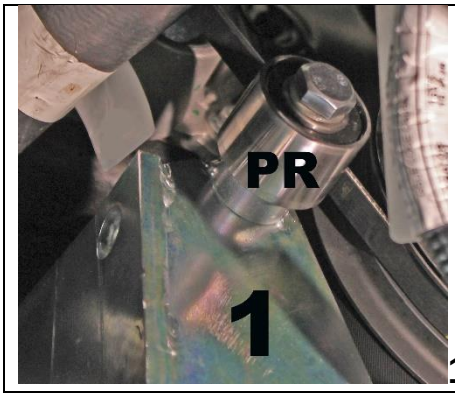
- Per primo inserire , <u>senza stringerlo</u> , il bullone **F**
- Inserire le viti **A B C D E**
- Stringere le viti **A B C D E**
- **<u>Per ultimo stringere il bullone F</u>**

- *First insert , <u>without tightening it</u>, the bolt **F***
- *Insert the screws **A B C D E***
- *Tighten the screws **A B C D E***
- ***<u>Finally tighten the bolt F</u>***

- Per primo inserire , <u>senza stringerlo</u> , il bullone **F**
- Inserire le viti **A B C D E** , poi stringerle
- **<u>Per ultimo stringere il bullone F</u>**

- *First insert , <u>without tightening it</u>, the bolt **F***
- *Insert the screws **A B C D E** , then tighten them*
- ***<u>Finally tighten the bolt F</u>***



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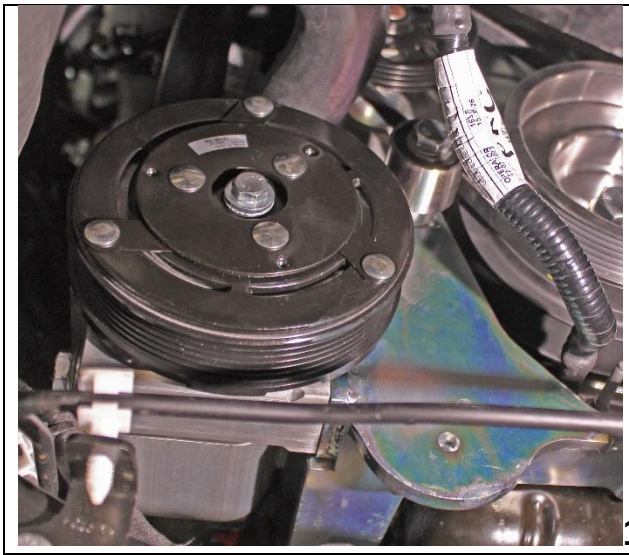
- Installare la puleggia di rinvio **PR**
- *Install the **PR** idler pulley*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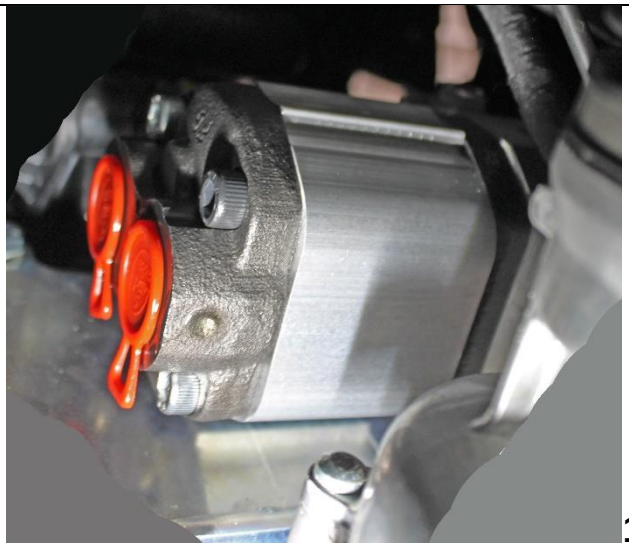
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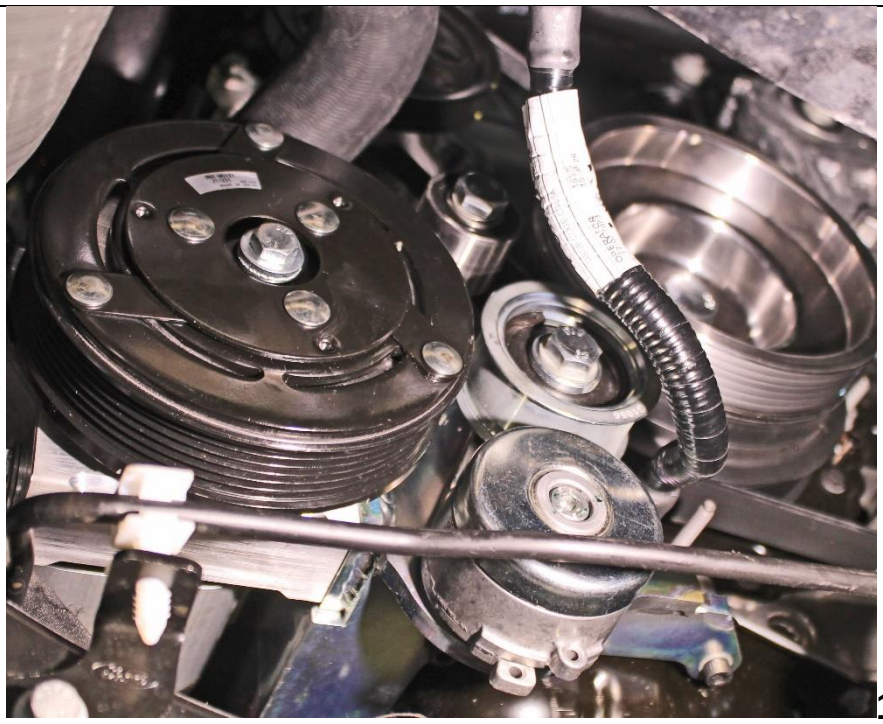
- Installare l'innesto elettromagntico e la pompa
- *Install the electromagnetic clutch and the pump*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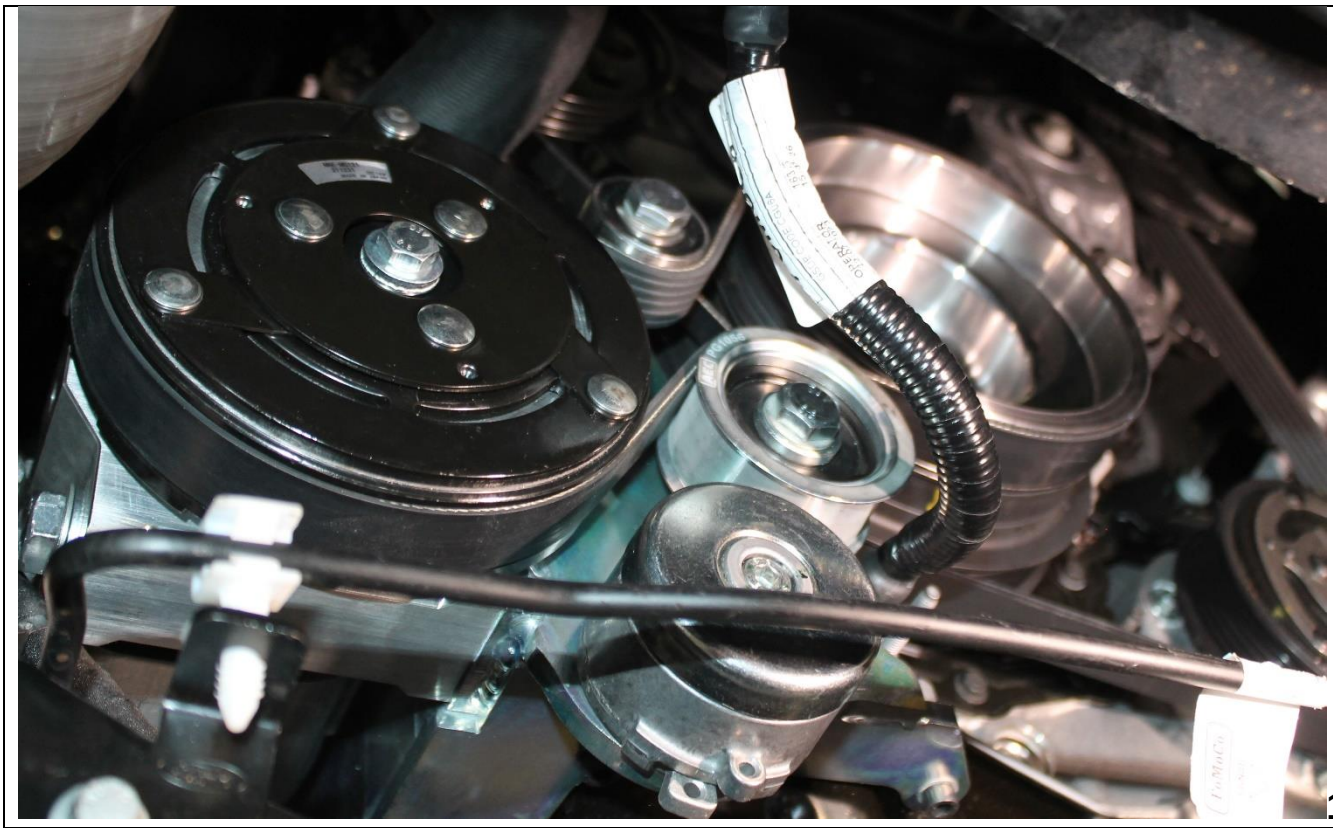
- Montare il tendicinghia
- *Fit the belt tensioner*



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- Montare la cinghia

- *Fit the belt*

- **Rimontare la protezione passaruota**
- **Rimontare la protezione inferiore del motore**
- **Ricollegare il cavo negativo della batteria**

- **Refit the wheel arch protection**
- **Refit the lower engine guard**
- **Reconnect the negative battery cable**

Controllare che non ci siano interferenze fra cinghie e pulegge con tubi e manicotti

Check that there is no interference between belts and pulleys with pipes and sleeves