

# **VW219**

## **VOLKSWAGEN Crafter 2,0 CDI - MAN TGE 2.0 CDI**

**Dal 2017 al 2023 – motore 1968 cc – 4 cilindri – con e senza A/C – trazione posteriore**

**From 2017 to 2023 – engine 1968 cc – 4 cylinders – with and without A/C – RWD**

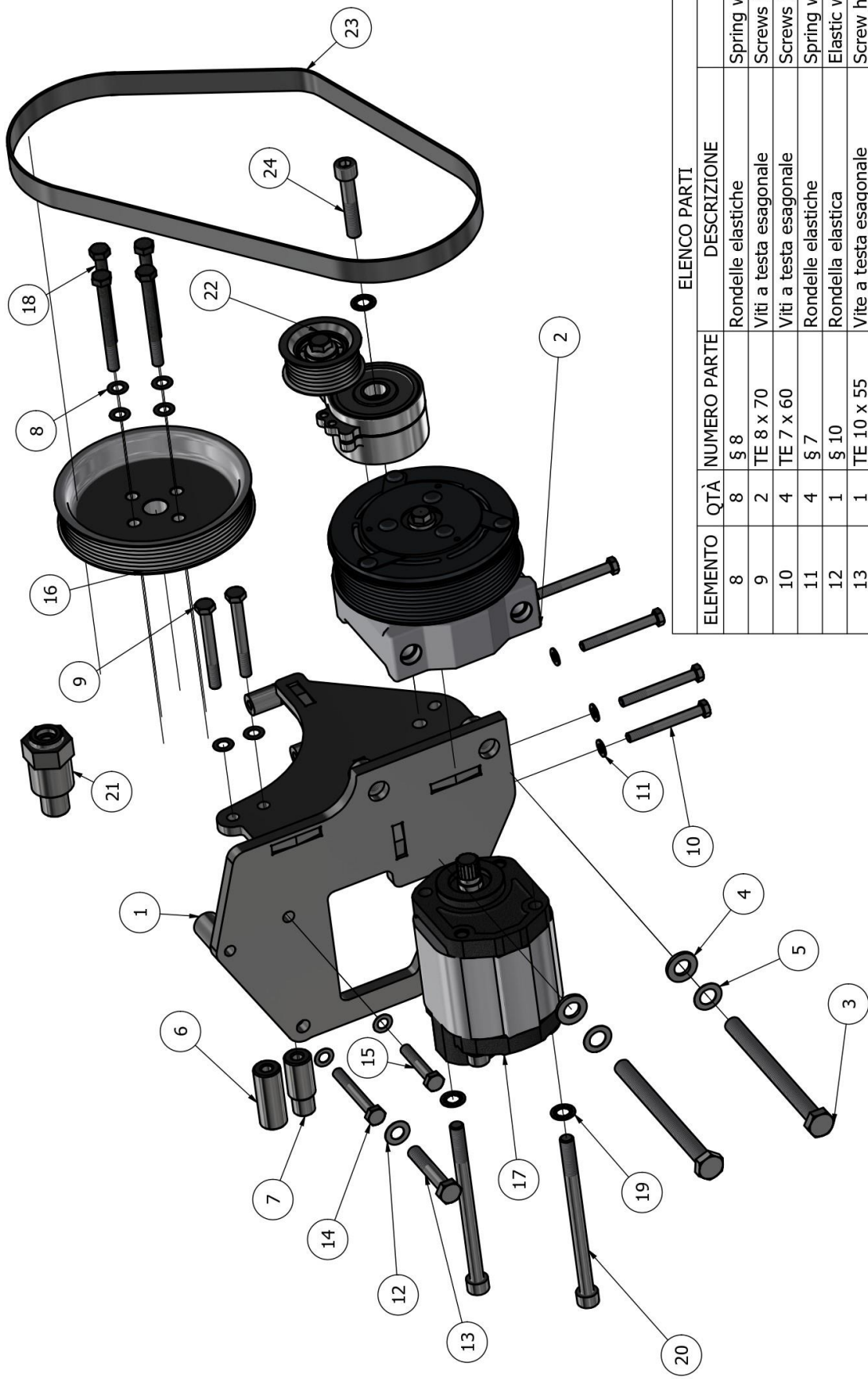
### **Istruzioni di montaggio kit innesto elettromagnetico**

### **Electromagnetic coupling kit installation instructions**



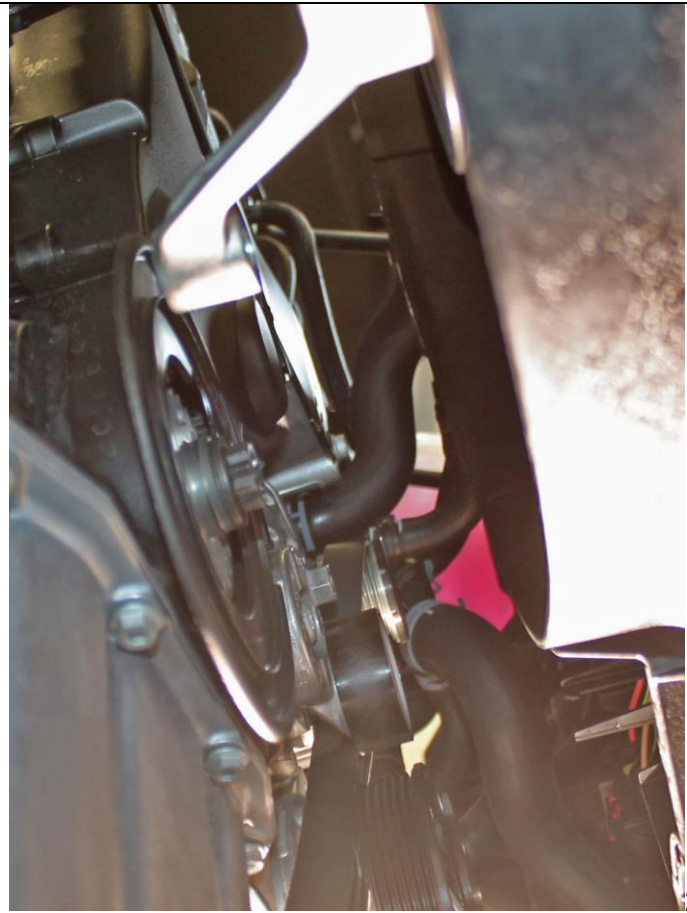
- **Sollevare il veicolo utilizzando un adeguato ponte sollevatore**
- ***Raise the vehicle by using a suitable lift bridge***

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

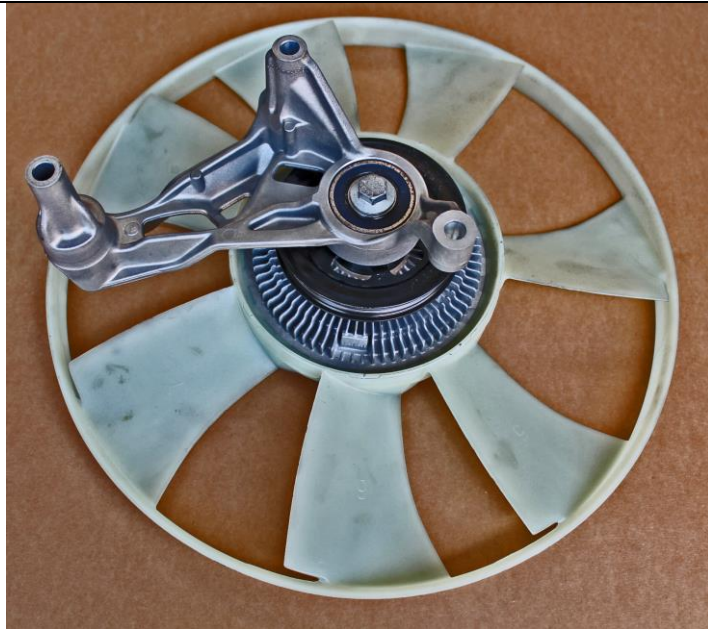


ELENCO PARTI				
ELEMENTO	QTÀ	NUMERO PARTE	DESCRIZIONE	Description
8	8	§ 8	Rondelle elastiche	Spring washers
9	2	TE 8 x 70	Viti a testa esagonale	Screws head hexagonal
10	4	TE 7 x 60	Viti a testa esagonale	Screws head hexagonal
11	4	§ 7	Rondelle elastiche	Spring washers
12	1	§ 10	Rondella elastica	Elastic washer
13	1	TE 10 x 55	Vite a testa esagonale	Screw head hexagonal
14	1	TE 8 x 60	Vite a testa esagonale	Screw head hexagonal
15	1	TE 8 x 45	Vite a testa esagonale	Screw head hexagonal
16	1	VWP008	Puleggia motore	Motor pulley
17	1	Pompa	Pompa con raccordi posteriori	Pump with rear fittings
18	4	TE 8 x 75	Viti a testa esagonale	Screws head hexagonal
19	3	§ 10	Rondelle zigrinate	Knurled washers
20	2	TCEI 10 x 140	Viti con esagono incassato	Screws with hexagon socket
21	1	VW21909	Distanziale	Spacer
22	1	ABT 001	Tendinghia automatico	Automatic belt tensioner
23	1	6PK915	Cinghia	Belt
24	1	TCEI 10 x 55	Vite con esagono incassato	Screw with hexagon socket

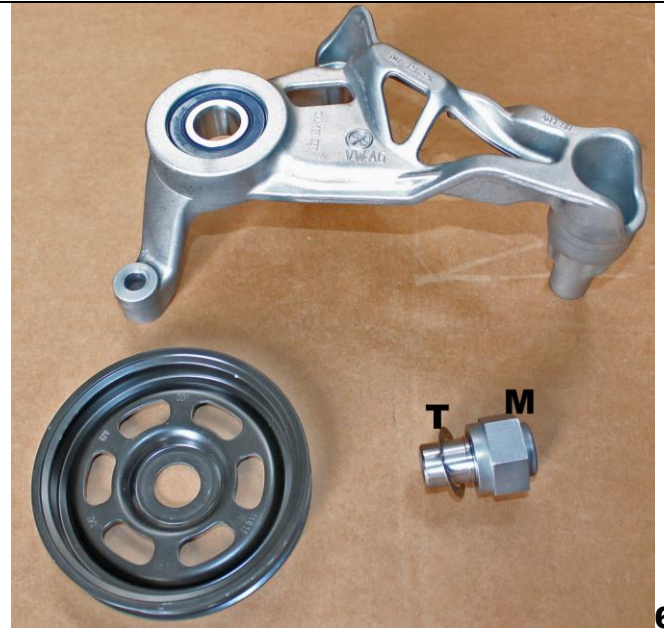
ELENCO PARTI				
ELEMENTO	QTÀ	NUMERO PARTE	DESCRIZIONE	Description
1	1	VW21931	Staffa	Bracket
2	1	001361-6	Innesto elettromagnetico	Electromagnetic clutch
3	2	TE 12 x 140	Vite a testa esagonale	Screws head hexagonal
4	2	§ 12	Rondelle piane	Flat washers
5	2	§ 12	Rondelle elastiche	Spring washers
6	1	VW21905	Distanziale	Spacer
7	1	VW21906	Distanziale	Spacer



- Smontare la cinghia della ventola radiatore
- Allentare la cinghia del motore
- Svitare i bulloni di fissaggio della ventola radiatore
- Avvicinare la ventola al radiatore
- Smontare la puleggia motore , assolutamente non svitare il bullone centrale della puleggia motore
  
- *Disassemble the radiator fan belt*
- *Loosen the engine belt*
- *Unscrew the radiator fan mounting bolts*
- *Bring the fan closer to the radiator*
- *Disassemble the engine pulley , absolutely do not unscrew the central bolt of the engine pulley*

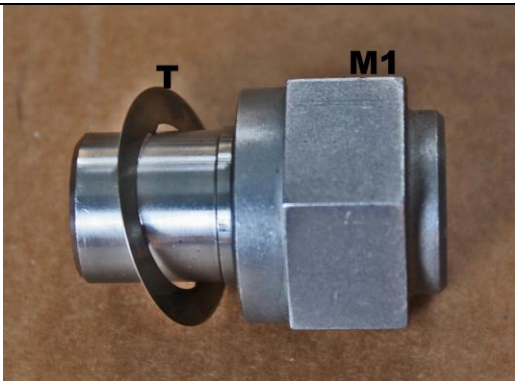


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- Al banco smontare la ventola e la puleggia dal supporto
- Eliminare il mozzo **M**
- Conservare lo spessore **T**
- *At the bench disassemble the fan and the pulley from the support*
- *Eliminate the hub **M***
- *Store the thickness **T***



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- Inserire lo spessore **T** nel mozzo **M1** fornito
- Montare il mozzo **M1** , la ventola e la puleggia nel supporto originale
- *Insert the thickness **T** in the supplied **M1** hub*
- *Mount the hub **M1**, the fan and the pulley in the original bracket*

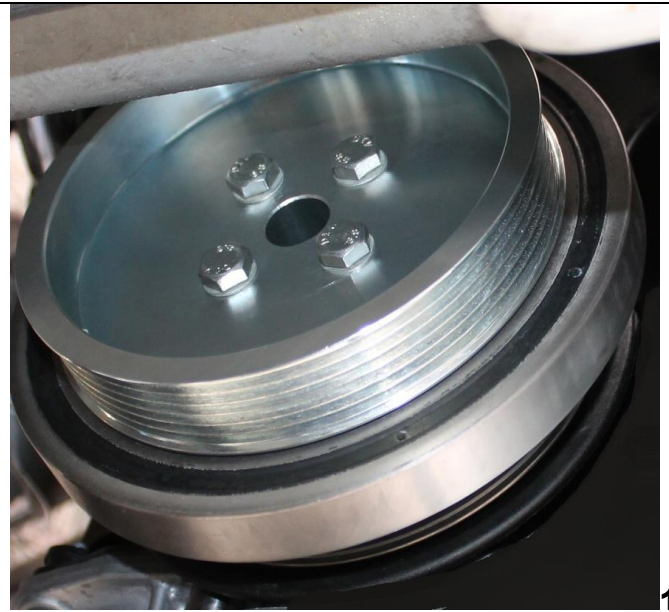


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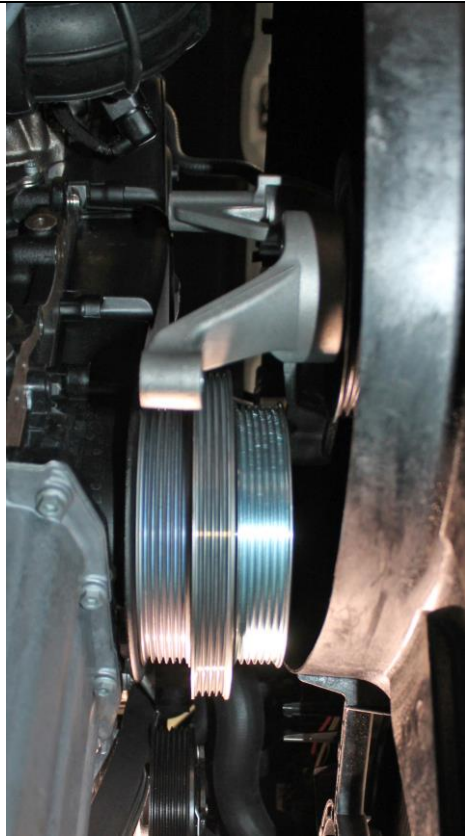
- **Inserire la ventola completa di supporto nel suo spazio dietro al radiatore , senza , al momento fissarla al motore**
- ***Insert the complete support fan in its space behind the radiator , without currently fixing it to the engine***



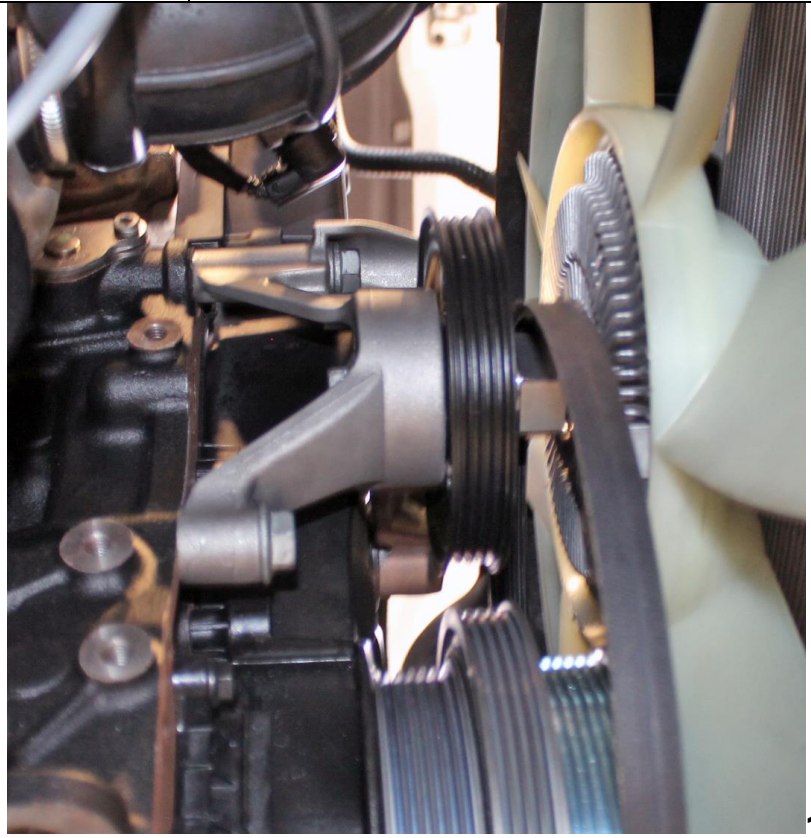
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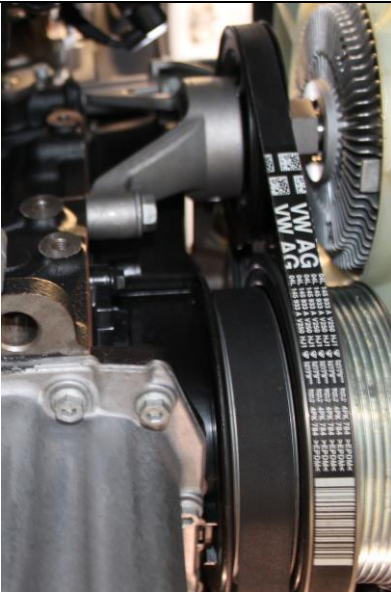
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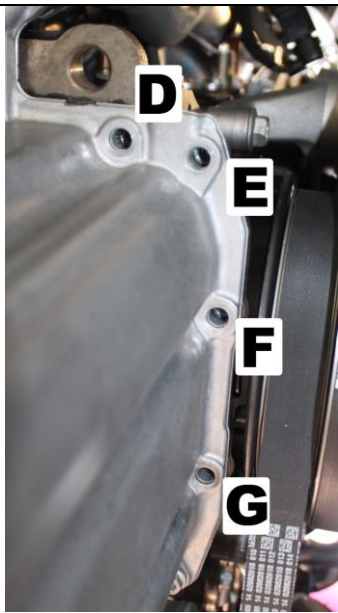
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- Sovrapporre la puleggia fornita a quella originale , installarle nel motore e fissare con bulloni forniti
- Fissare la ventola col suo supporto nella posizione originale
- Rimontare la cinghia del motore
- Rimontare la cinghia della ventola radiatore
  
- *Overlap the provided pulley to the original one , install in the engine and fix it with provided bolts*
- *Reassemble the fan with its support in its original position*
- *Reassemble the engine belt*
- *Reassemble the radiator fan belt*

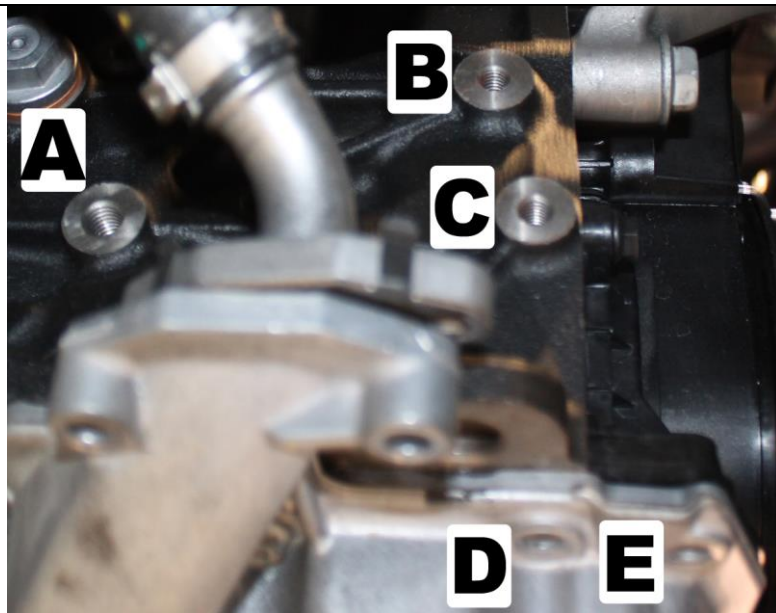


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- Smontare le viti di fissaggio del tubo dell'olio
- Spostare il tubo dell'olio
- *Remove the screws fixing the oil pipe*
- *Move the oil pipe*



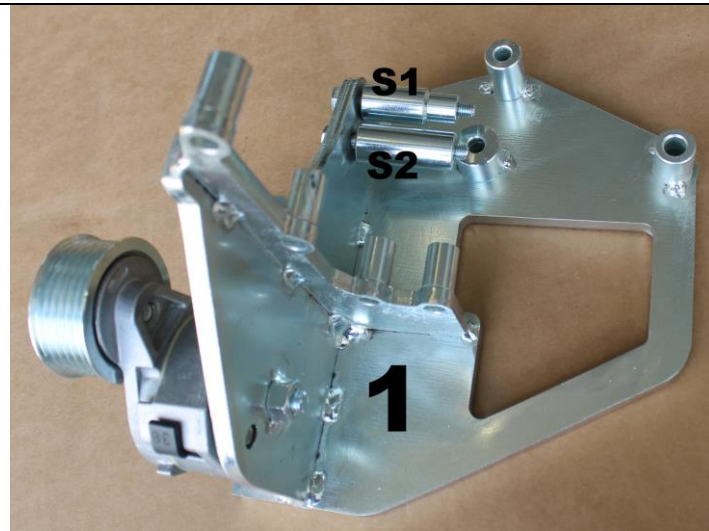
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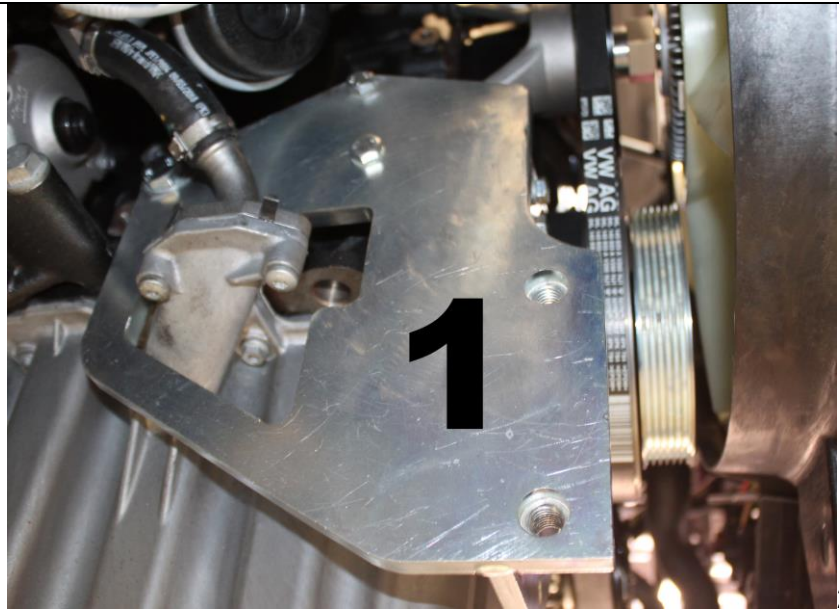


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- Inserire le viti e i distanziali **S1** e **S2** nella staffa **1**
- Posizionare la staffa **1** in corrispondenza dei fori filettati **A B C D E F G H I** poi inserire **tutte** le viti e i bulloni
- Stringere le viti nel seguente ordine **D E F G H I A B C**
- Insert the screws and spacers **S1** and **S2** in the bracket **1**
- Position the bracket **1** in correspondence with the threaded holes **A B C D E F G H I** then insert all screws and bolts
- Tighten the screws in the following order **D E F G H I A B C**

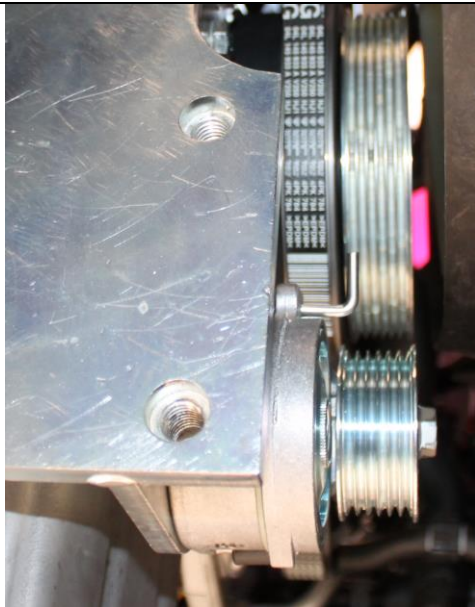


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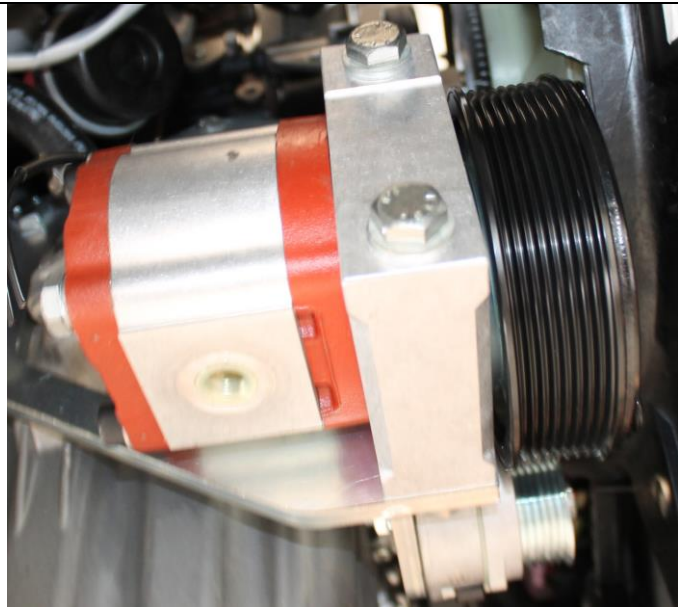


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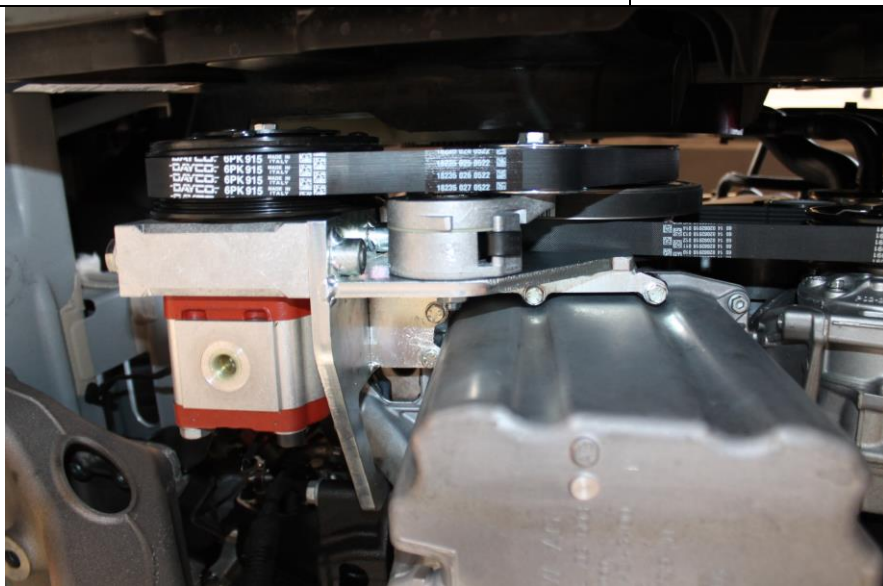
- Riasssemblare il tubo dell'olio , fissandolo con le viti originali
- Reassemble the oil pipe , fixing it with the original screws



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- Installare il tendicinghia
- Al banco fissare la pompa alla frizione elettromagnetica
- Installare il gruppo frizione elettromagnetica – pompa
- Montare la cinghia
- Install the belt tensioner
- At the bench fix the pump to the electromagnetic clutch
- Install the electromagnetic clutch - pump assembly
- Mount the belt