







# Valve/ Клапан

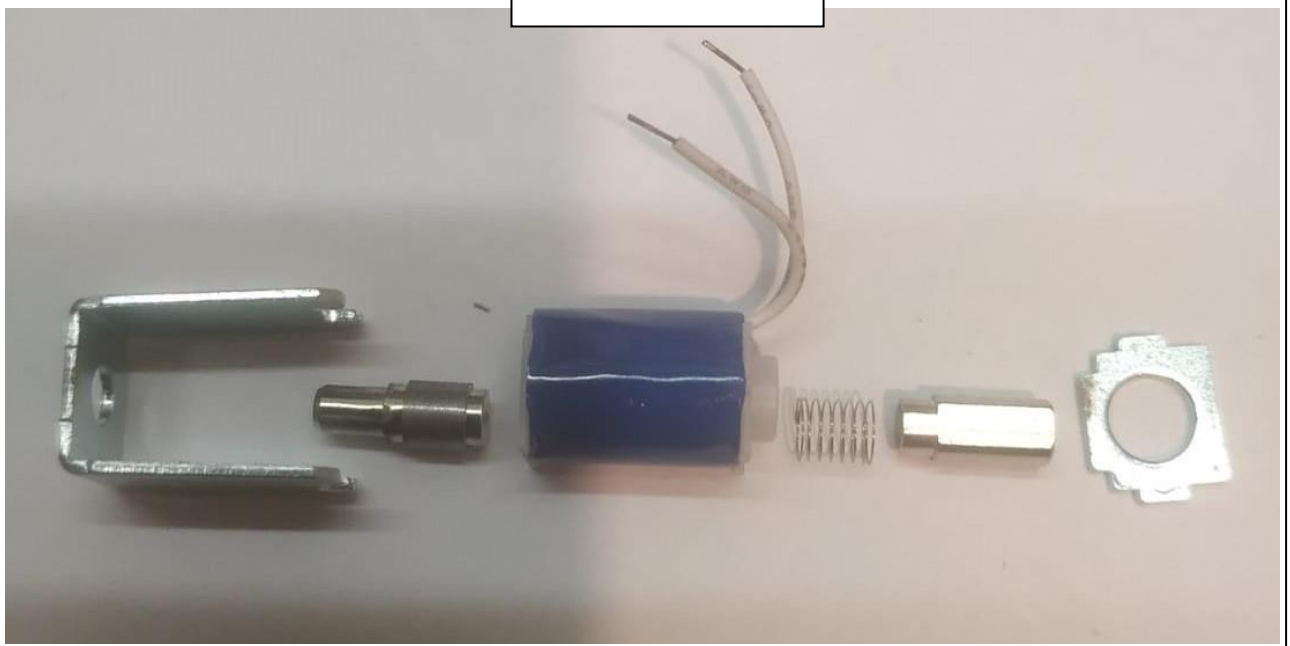
Erstellt: 30.09.2019 Unruh Rafael (geändert 13.07.2020 Rafael Solutions)

piece Штук	designation Наименование	price Цена	Note Разное	Photo Фото	Link Ссылка
1	Valve	~1,1€			<a href="https://www.ebay.de/itm/DC-3V-Micro-Electric-DC-Solenoid-Valve-N-O-Normally-Open-Type-for-Gas-Air-Valve/121964226091?sPageName=STRK%3AMEBIDX%3AIT&amp;trksid=p2057872.m2749.l2649">https://www.ebay.de/itm/DC-3V-Micro-Electric-DC-Solenoid-Valve-N-O-Normally-Open-Type-for-Gas-Air-Valve/121964226091?sPageName=STRK%3AMEBIDX%3AIT&amp;trksid=p2057872.m2749.l2649</a>
1	Tube Ø 4,3x0,15x19,4		own production самостоятельно е изготовление		
1	Hose support		own production самостоятельно е изготовление		
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1	o ring rubber 2,2 x 1,0 mm NBR 70 +/- 5 Shore A black	0,13			<a href="https://www.ir-dichtungstechnik.de/gewerbe/de/o-ring-2-2-x-1-0-mm-nbr-70-5-shore-a-schwarz-black-31634.html">https://www.ir-dichtungstechnik.de/gewerbe/de/o-ring-2-2-x-1-0-mm-nbr-70-5-shore-a-schwarz-black-31634.html</a>
1	lock washer DIN 6799 1.4122 Ø3,2mm	0,2			<a href="https://www.ebay.de/itm/360770965205?ul_n_oapp=true">https://www.ebay.de/itm/360770965205?ul_n_oapp=true</a>

1	holder		own production самостоятельно е изготовление		
1	LED green for valve on				<a href="https://www.tme.eu/de/details/osg3da7331a/led-dioden-tht-1-8mm/optosupply/">https://www.tme.eu/de/details/osg3da7331a/led-dioden-tht-1-8mm/optosupply/</a>
2	Resistor for LED 560Ω				
1	plug	0,15	Micro JST 1.25mm 2-Pin Male and Female Steckverbinder		<a href="https://www.ebay.de/itm/322667123180?ul_n_oapp=true">https://www.ebay.de/itm/322667123180?ul_n_oapp=true</a>
1	heat shrink tubing PET Ø 10mm	For free/ бесплатно			„RAFAEL SOLUTIONS“
1	special adhesive for piston/plunger seal “silicone”				<a href="https://www.ebay.de/itm/VICTOR-REINZ-ORIGINAL-DICHTMASSE-DICHTUNG-Dichtungsmittel-REINZOSIL-70ml-300C/173753238940">https://www.ebay.de/itm/VICTOR-REINZ-ORIGINAL-DICHTMASSE-DICHTUNG-Dichtungsmittel-REINZOSIL-70ml-300C/173753238940</a>



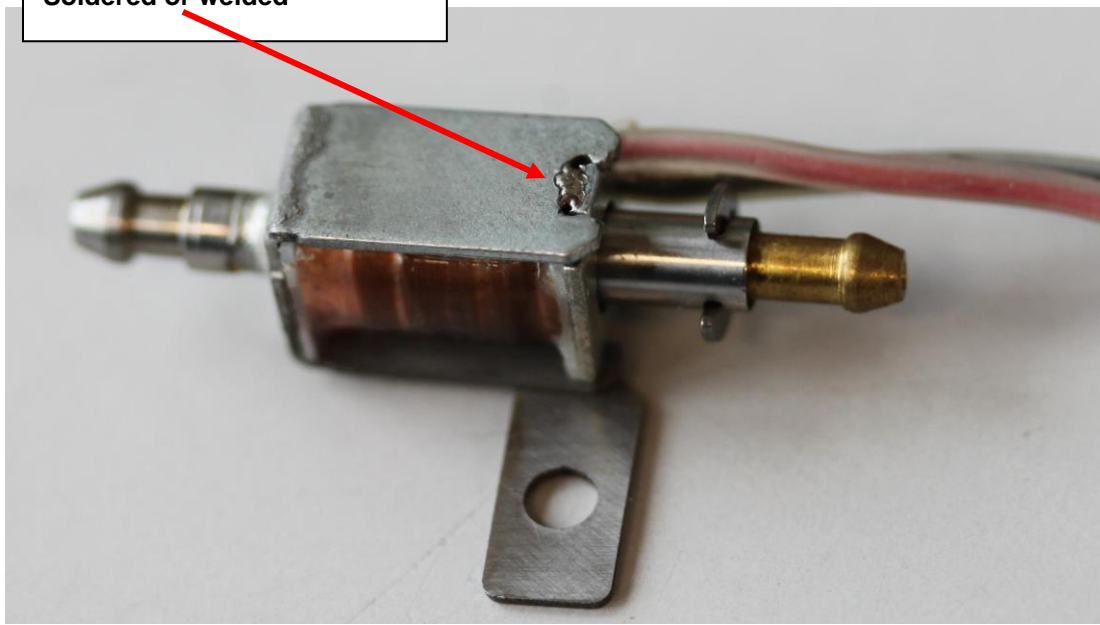
Parts valve original



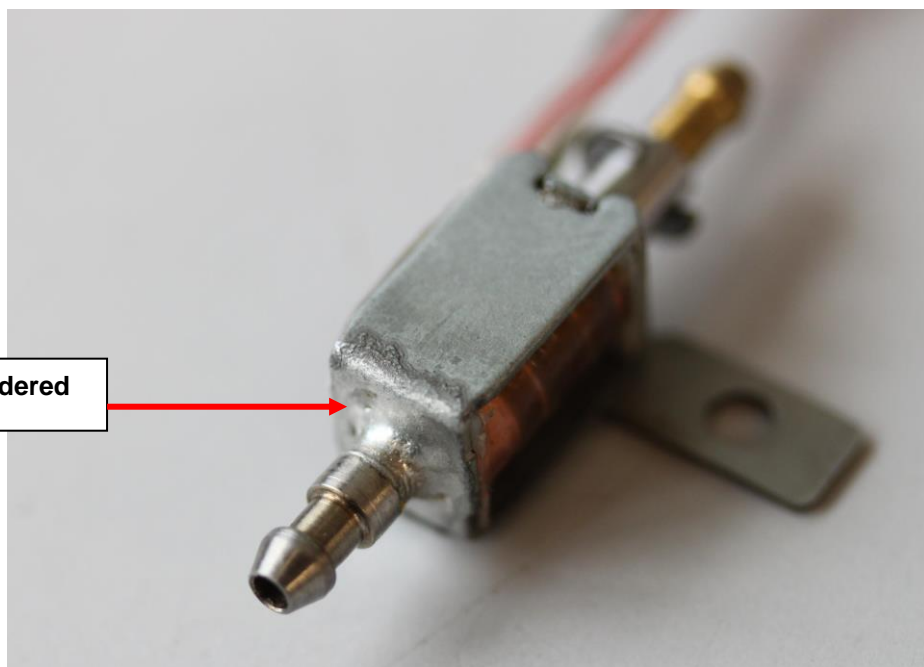
Parts valve new



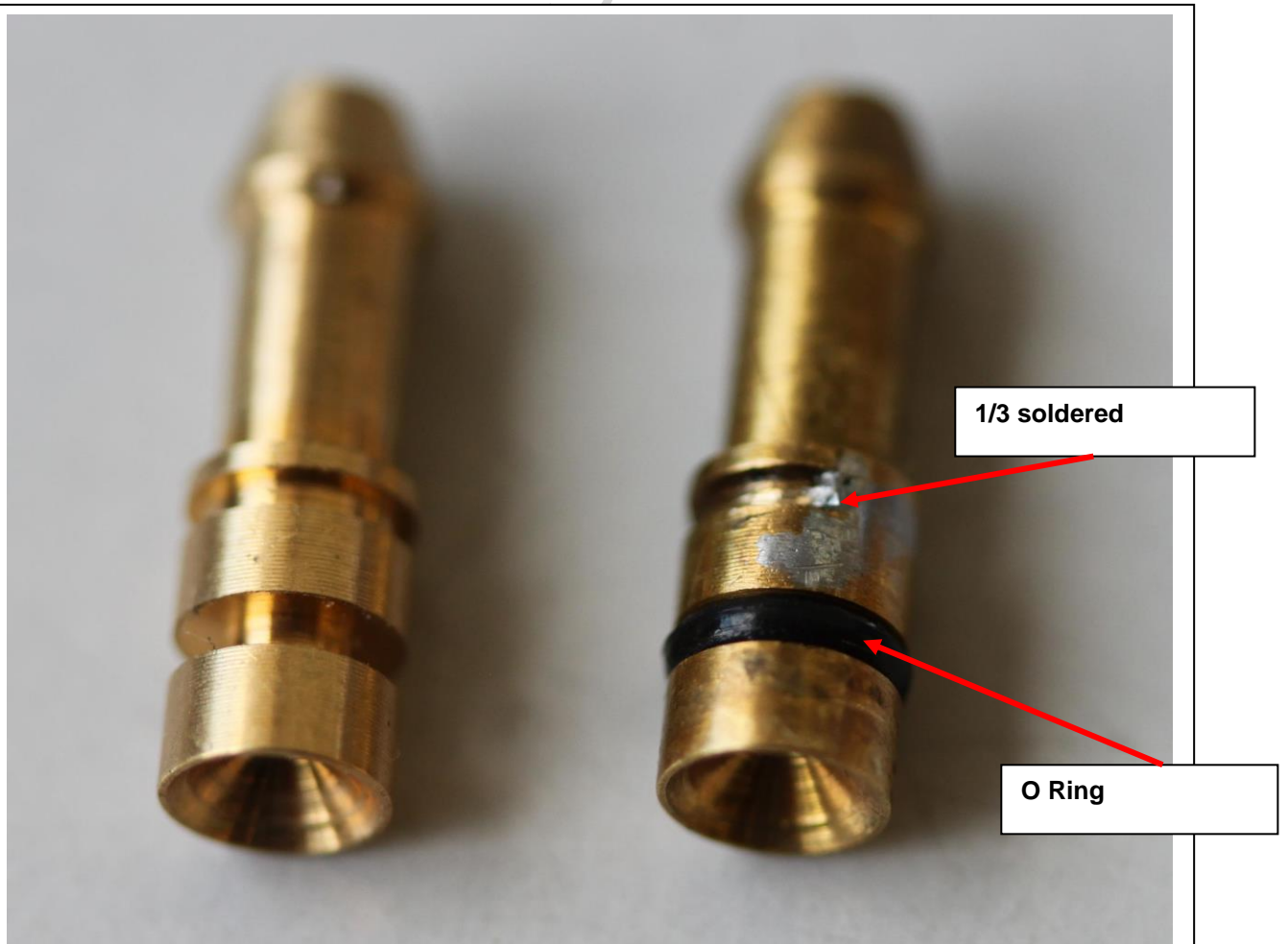
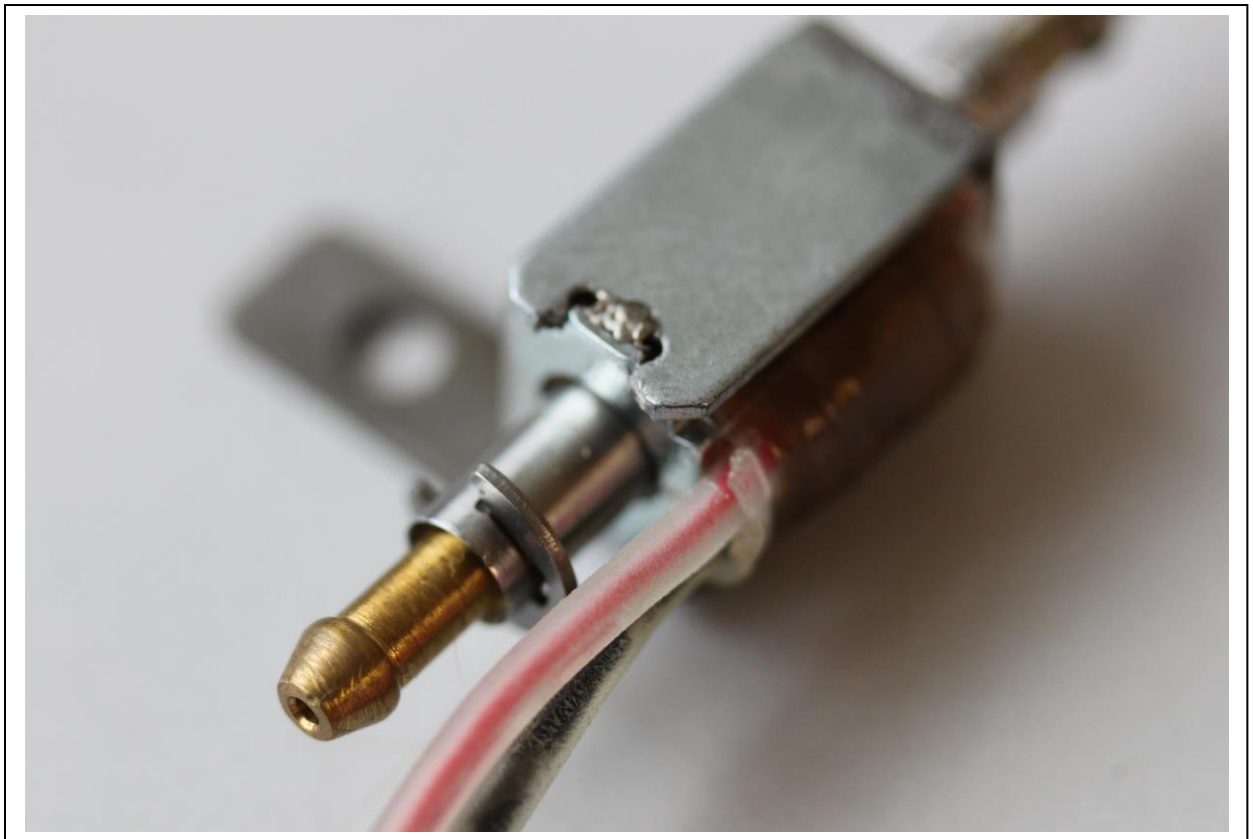
Soldered or welded

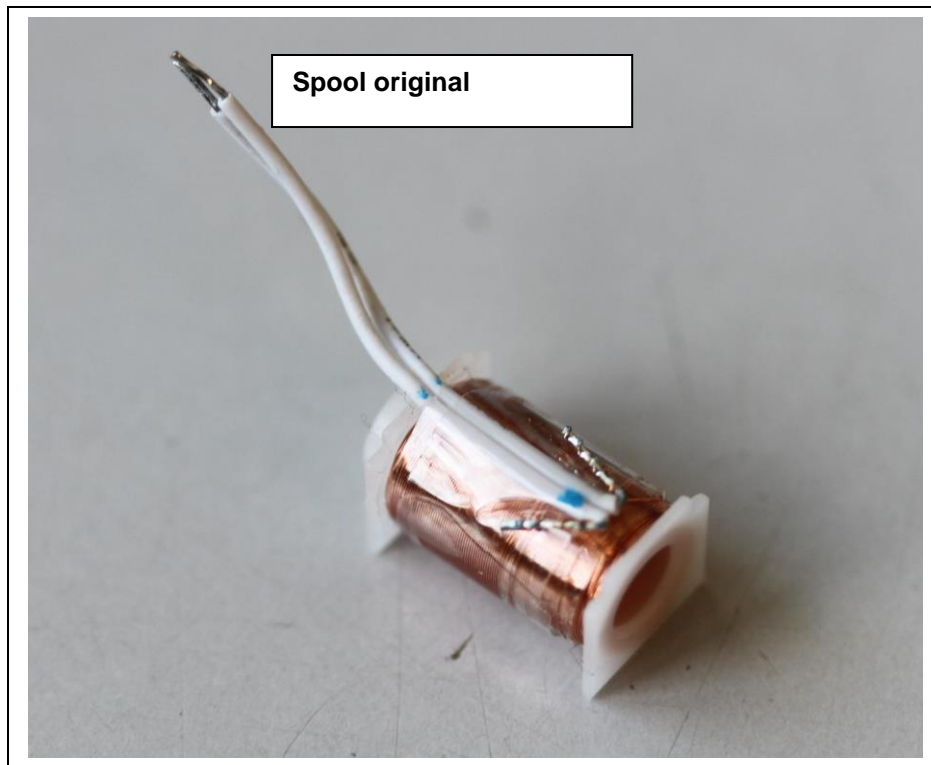


soldered

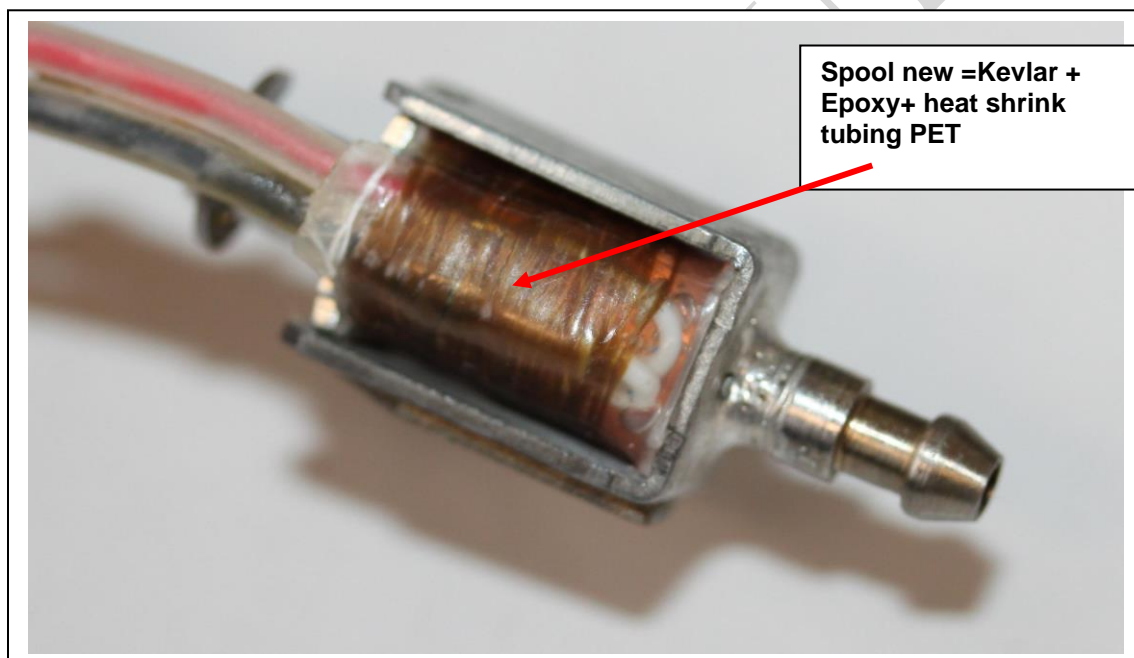








**Spool original**



**Spool new =Kevlar +  
Epoxy+ heat shrink  
tubing PET**

