DIAG4 BIKE

ACTIA CZ CZECH REPUBLIC

INSTALLATION SET LAMBDA

This set allows you to install two broadband lambda probes on any exhaust !

AT 106 4020

Reference & packing list

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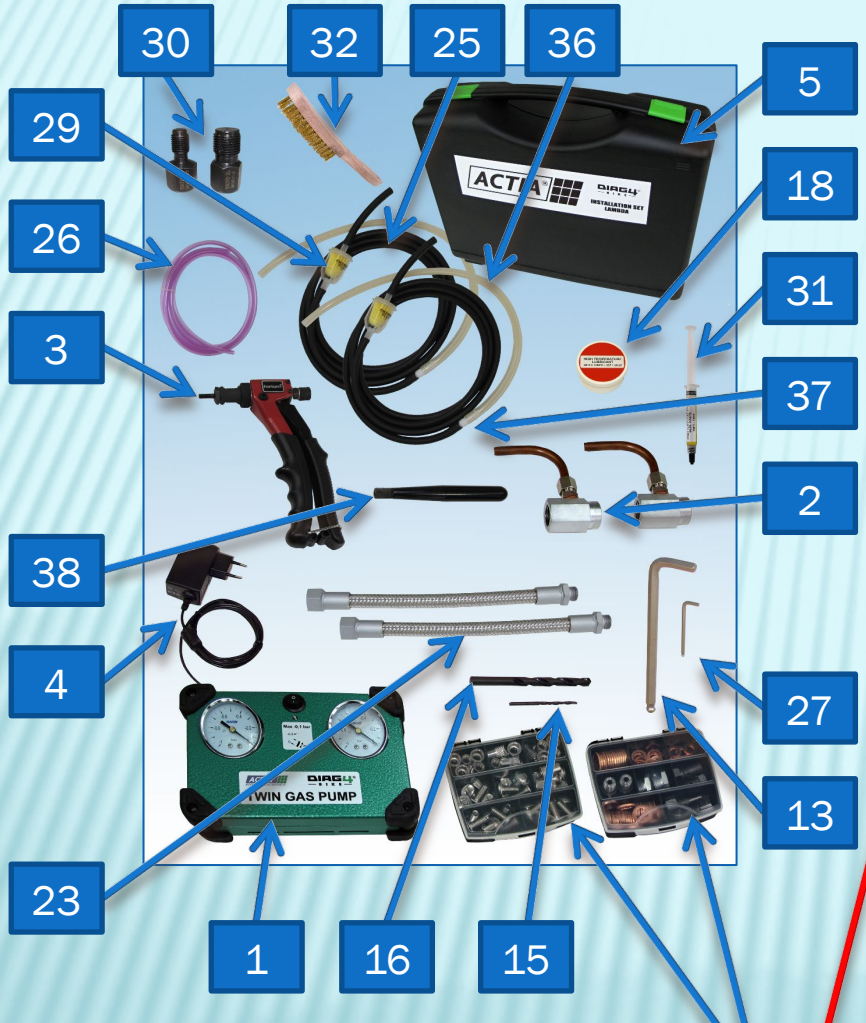
Set Reference AT 106 4020



Item	Reference	Name	pcs
1.	AT 106 4026	Twin gas pump module	1
2.	AT 106 4068	Lambda probe adapter – assembly (short)	2
3.	8KN00002	Tool for rivet nuts	1
4.	0AZ00914	Power supply 24W/12V	1
5.	AT 106 4028	Plastic case for installation set lambda	1
6.	5PK00227	Small plastic organizer	2
8.	6PC00002	Sealing ring copper12x18x2 DIN 7603	20
9.	6MN00194	Rivet nuts M6 type 8 OCH 30 stainless steel	40
10.	AT106 4190	Coppered head screw M6x12	40
12.	6PC00003	Sealing ring copper 18x22x2 DIN 7603	10
13.	8KK00001	Hexagon wrench No. 10	1
15.	8KV00001	Drill diameter of 4 mm	1
16.	8KV00003	Drill diameter of 9 mm	1
18.	AT 106 4030	High temperature lubricant 5g - Loctite 8008 (Copper paste)	1
19.	N106 4151	Reduction M18x1,5/M12x1,25	2
20.	AT 106 4152	Screw M12x1,25	2
23.	AT 106 4023	Metal hose DN6 with fittings	2
25.	5HP00054	Hose inlet 2 m	2
26.	5HP00017	Hose outlet 3 m	1
27.	8KK00003	Hexagon wrench No. 4	1
29.	6FP00065	Paper filter	2
30.	6SZ00001	Thread repair kit YATO YT-1756	1
31.	AT 106 4049	High temperature seal paste 5g - Sonax 552000	1
32.	8CK00055	Brush steel	1
33.	N106 4179	Screw M12_M6x16	4
34.	6PC00005	Sealing ring copper 6,5x17x2 DIN 7603	40
36.	5HG00133	Silicone hose 6,3 / 11,1 mm – 0,5 m	2
37.	6HP00248	Straight connection GS6	2
38.	N106 4178	Tool with grooves	1

6
(8,9,10,12,19,20,33,34)

31 Sealing for thread

18 Lubricant for pipe thread fittings

Lambda Probe Installations

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1. Fitting for lambda probe in the exhaust is M18 x 1,5

1.1 Direct Installation (enough place for Wide Band lambda probe installation)
1.2 Radial Installation (not enough place for Wide Band lambda probe installation)

2. Fitting for lambda probe in the exhaust is M12 x 1,25

2.1 Direct Radial Installation
2.2 Radial Installation

3. Exhaust is not equipped with any fitting

Direct Installation only

Lambda Probe Installations

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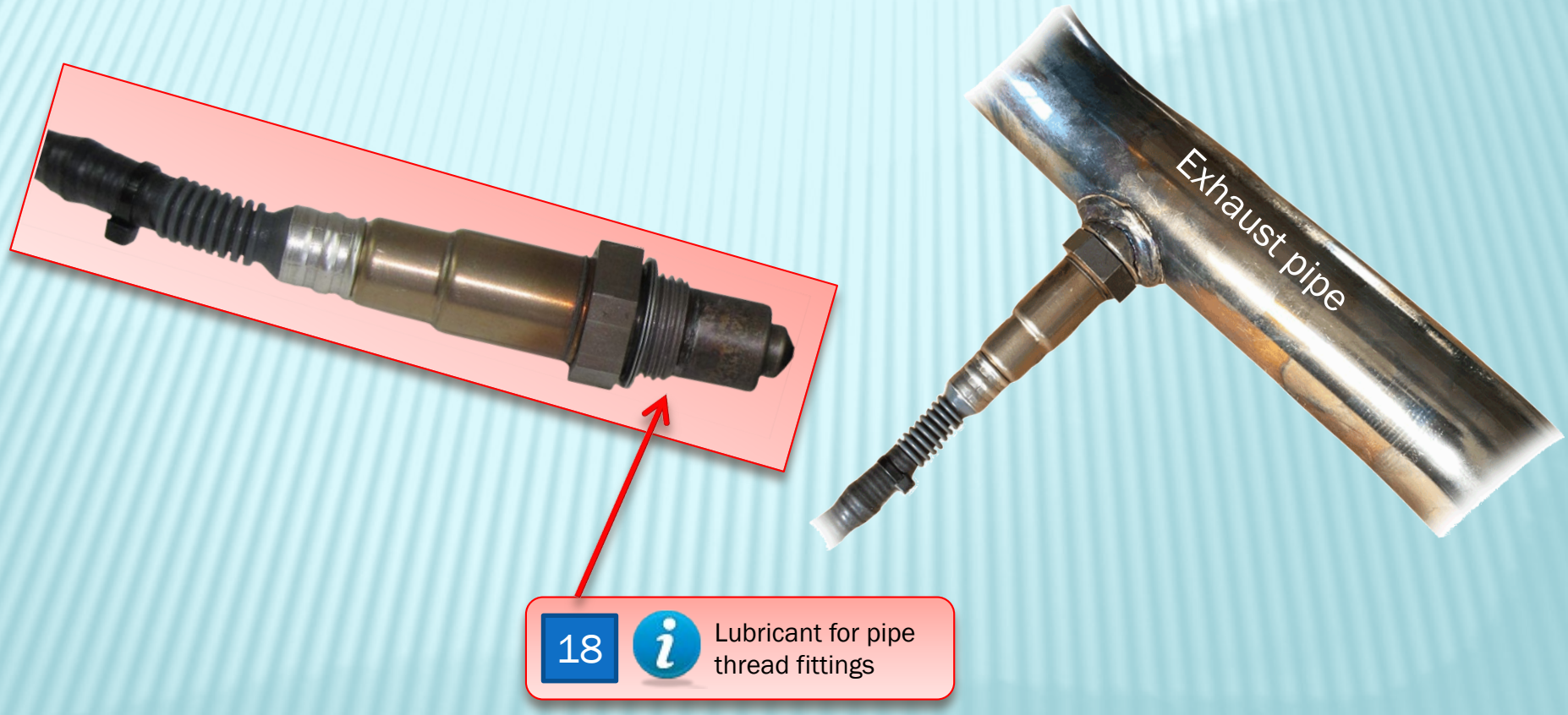
1. Fitting for lambda probe in the exhaust is M18 x 1,5

1.1 Direct Installation (enough place for Wide Band lambda probe installation)



Lambda Probe Installations

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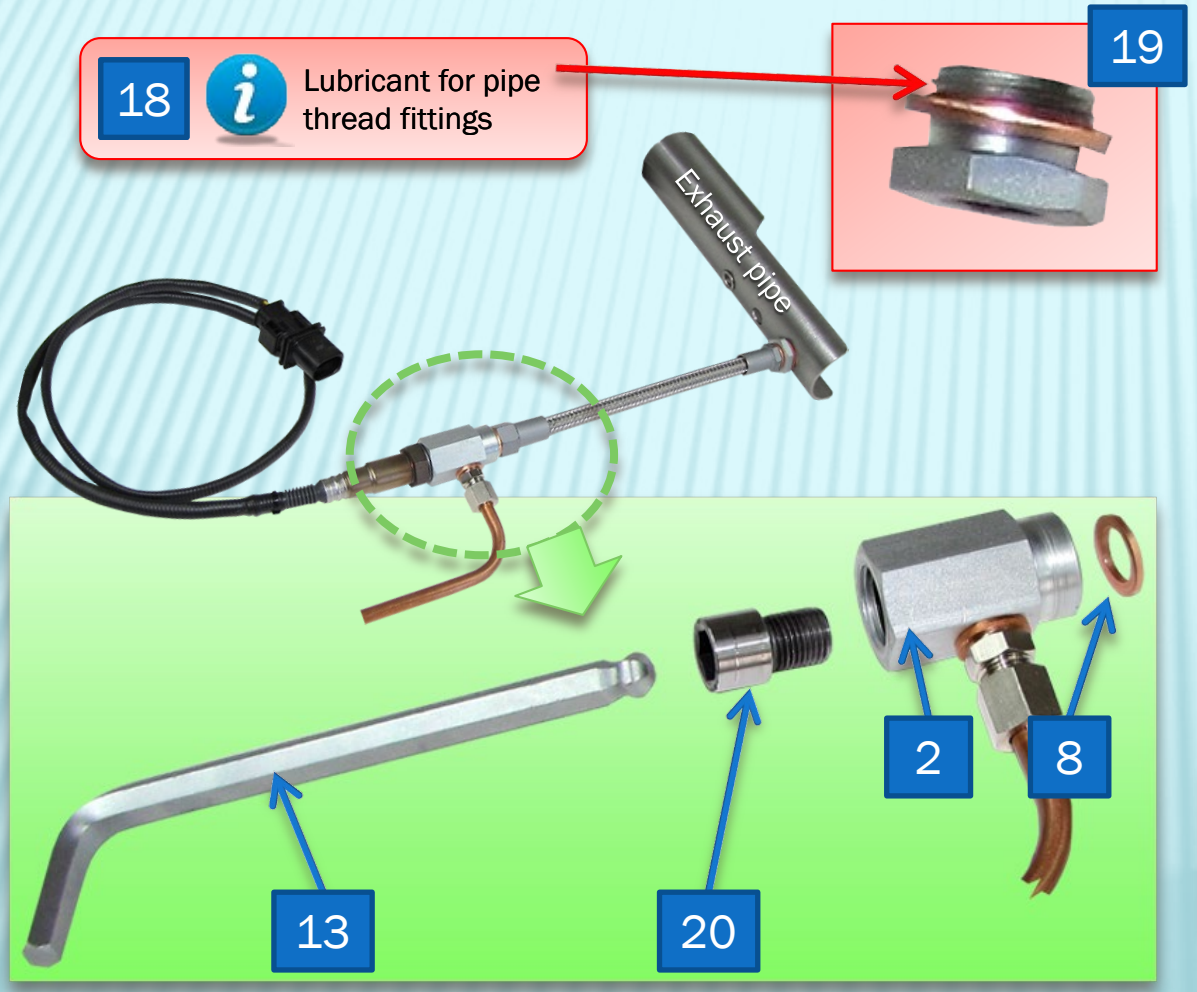
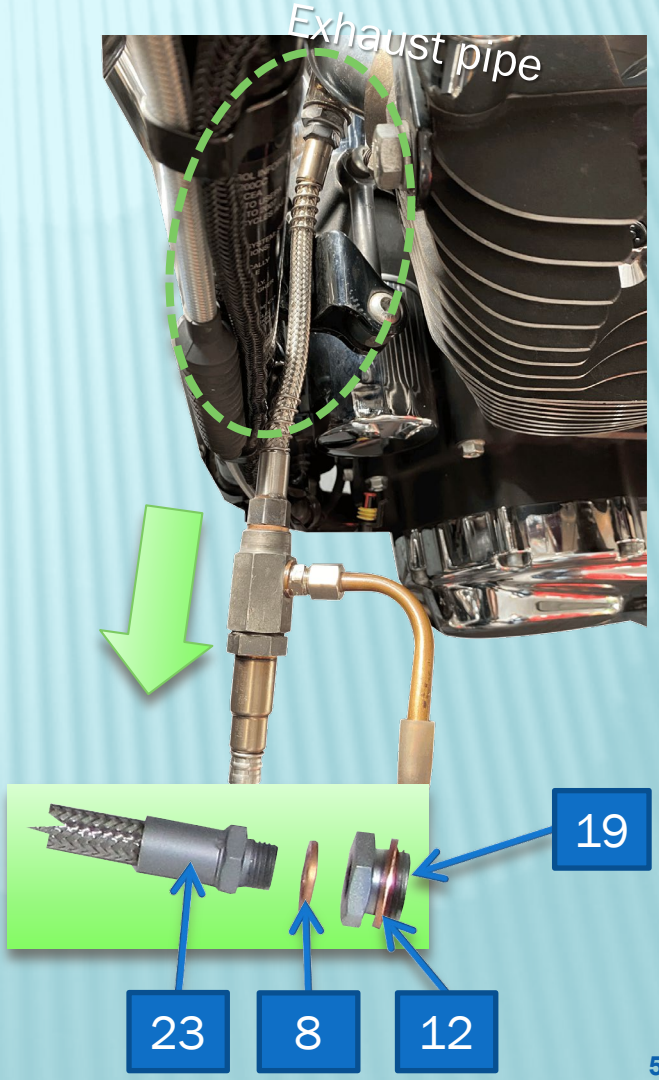
1. Fitting for lambda probe in the exhaust is M18 x 1,5

1.2 Radial Installation (not enough place for Wide Band lambda probe installation)





Lambda Probe Installations

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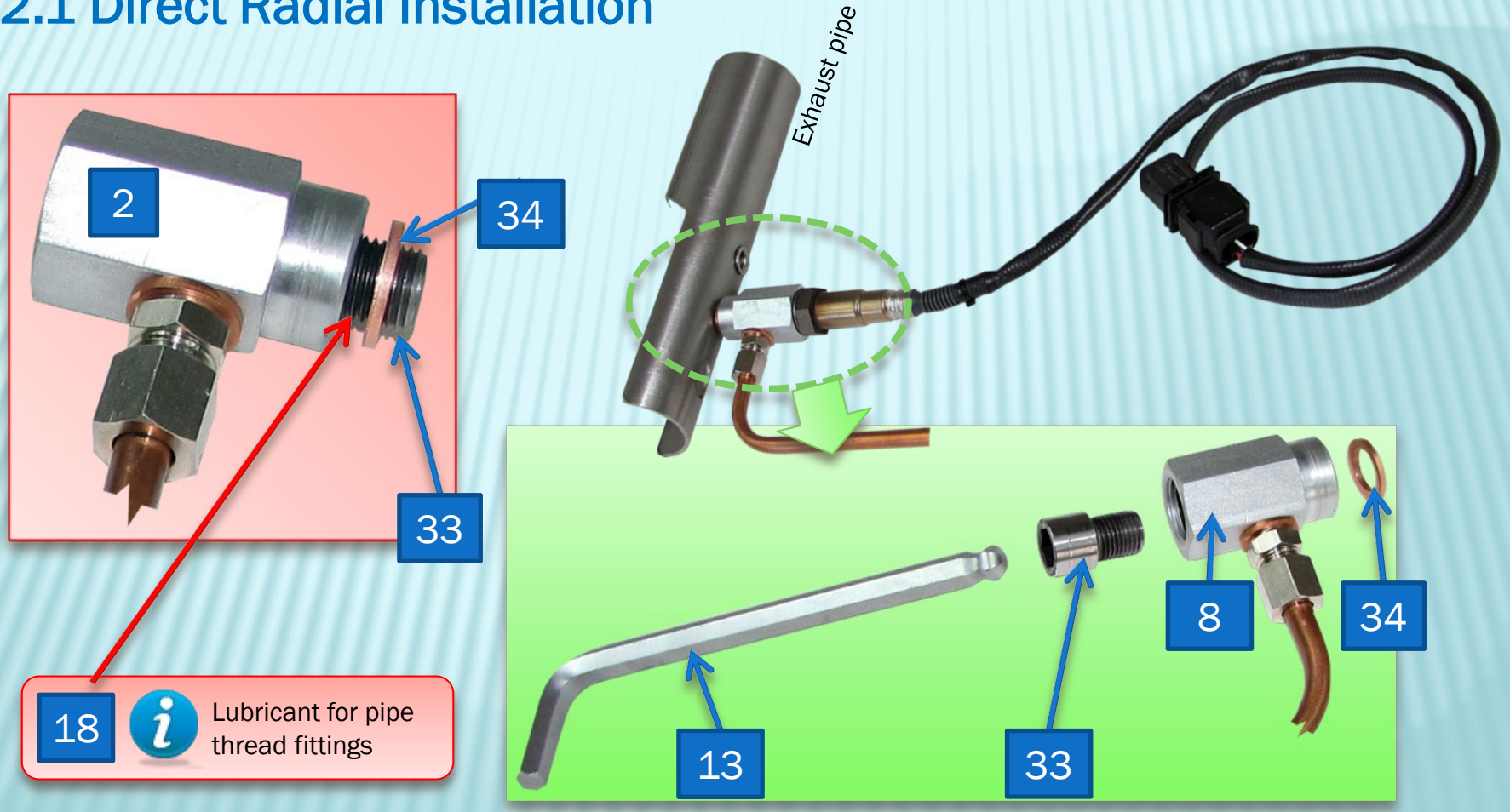
2. Fitting for lambda probe in the exhaust is M12 x 1,25

2.1 Direct Radial Installation



Lambda Probe Installations

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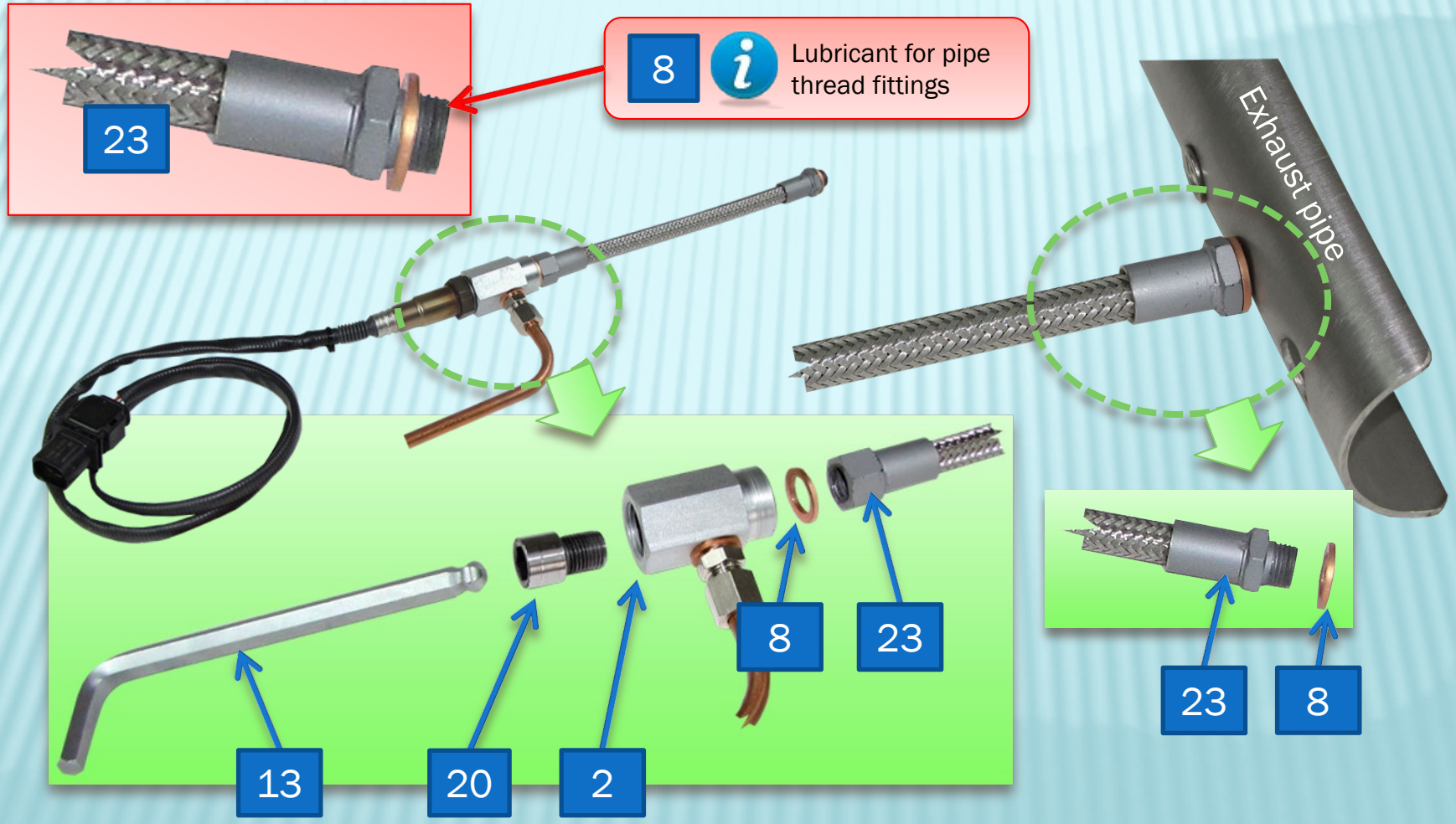
2. Fitting for lambda probe in the exhaust is M12 x 1,25

2.2 Radial Installation



Lambda Probe Installations

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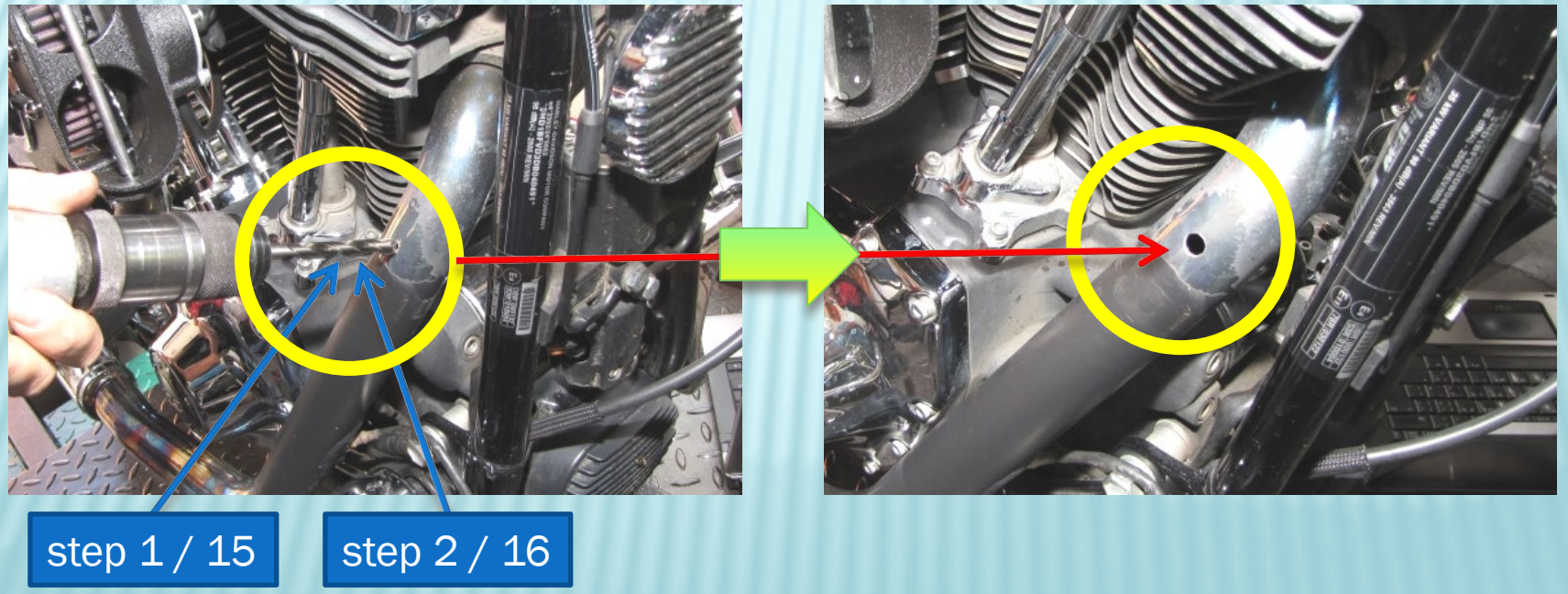
3. Exhaust is not equipped with any fitting or when stock O_2 sensors must remain connected (M8 engines)

Direct Installation

STEP 1 - drill a hole diameter of 4 mm

STEP 2 - drill a hole diameter of 9 mm

(drill is part of the set, drill machine isn't part of the set)



Lambda Probe Installations

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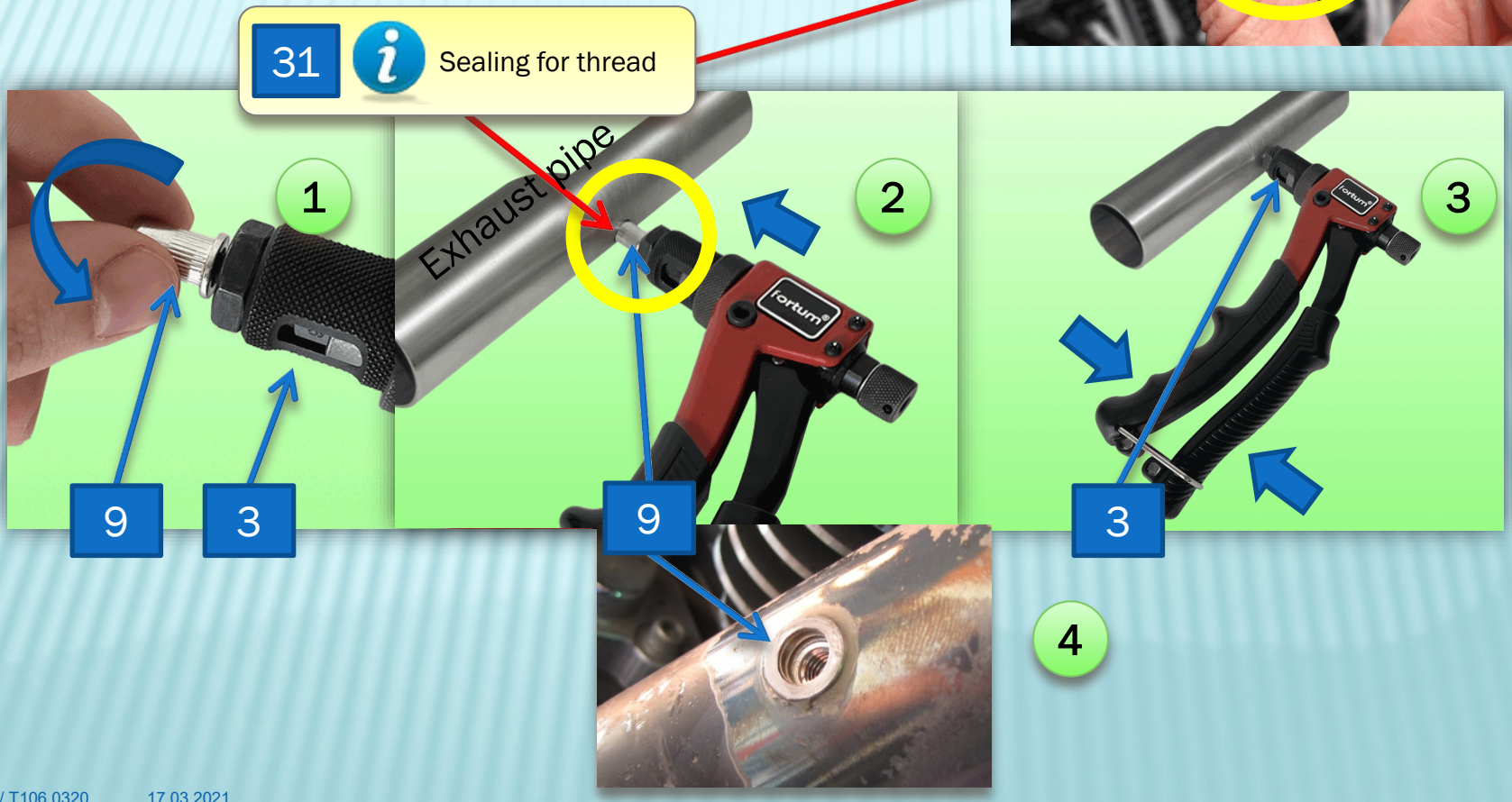
3. Exhaust is not equipped with any fitting

Direct Installation

STEP 3 - install rivet nut M6

(rivet nuts & press tool are parts of the set)



Lambda Probe Installations

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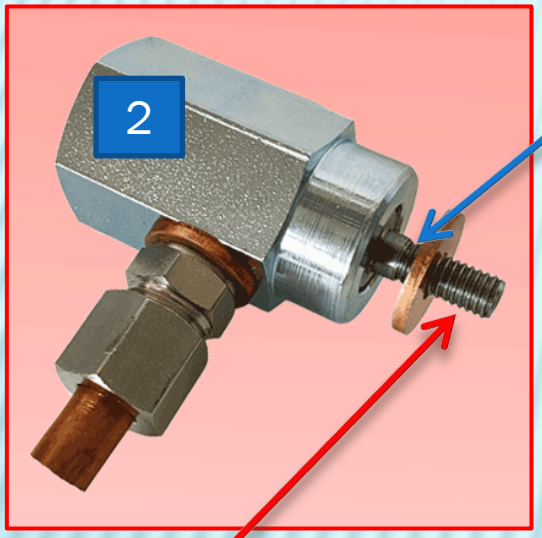
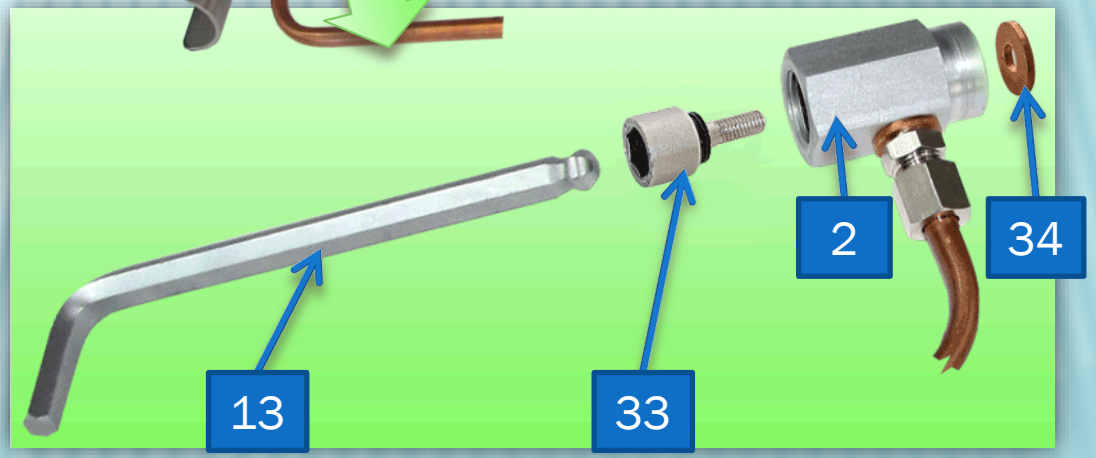
3.1 Direct Radial Installation





18 Lubricant for pipe thread fittings

Lambda Probe Installations

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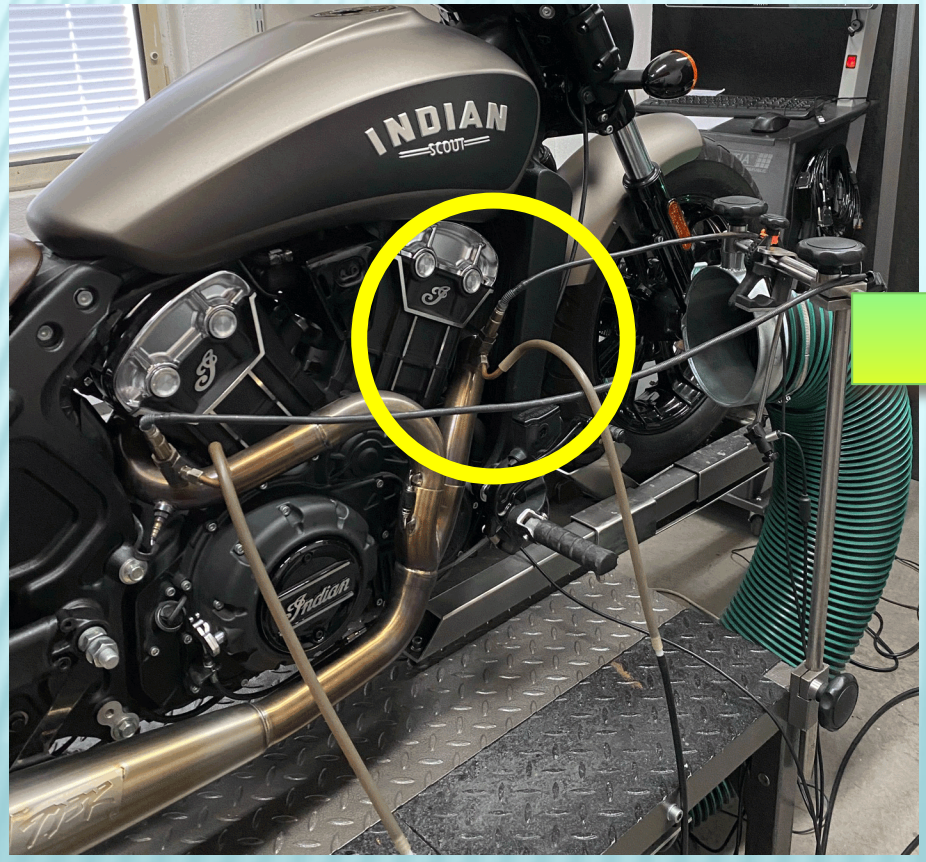
Sample of installing Lambda probe

Test the pump before measuring.

Tamp both inputs and switch the pump on. Value on pressure gauge must be between 0,5 and 0,7 bar

See next page



Lambda Probe Installations

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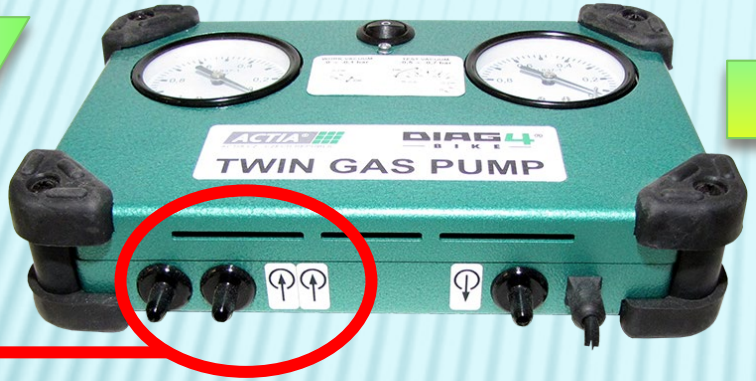
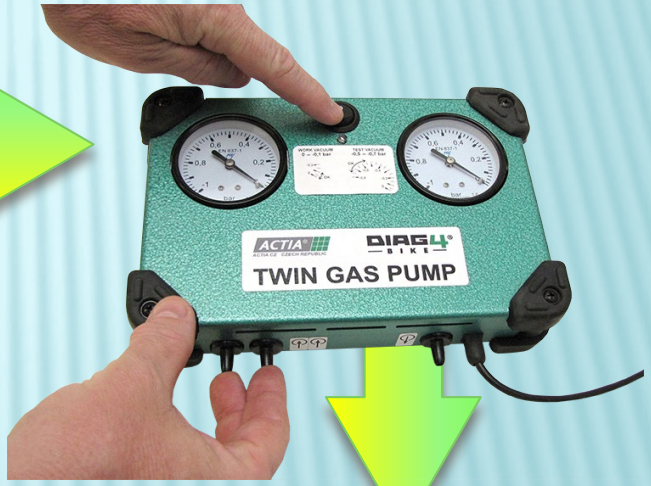
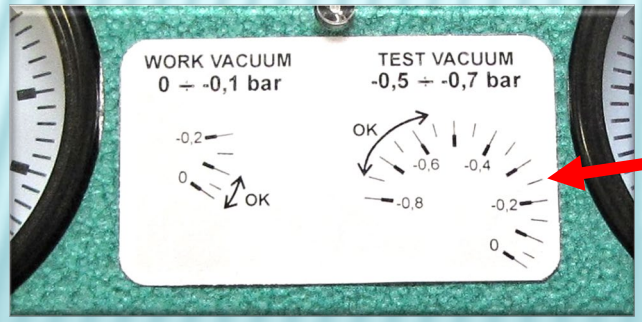
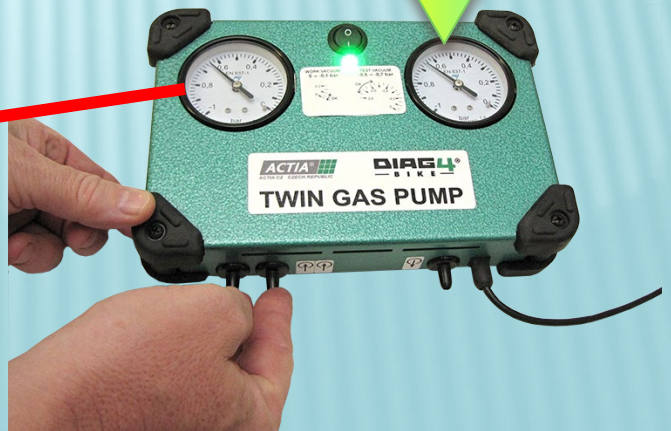
Test the pump before measuring

Tamp both inputs and switch the pump on. Value on pressure gauge must be between 0,5 and 0,7 bar









Lambda Probe Installations

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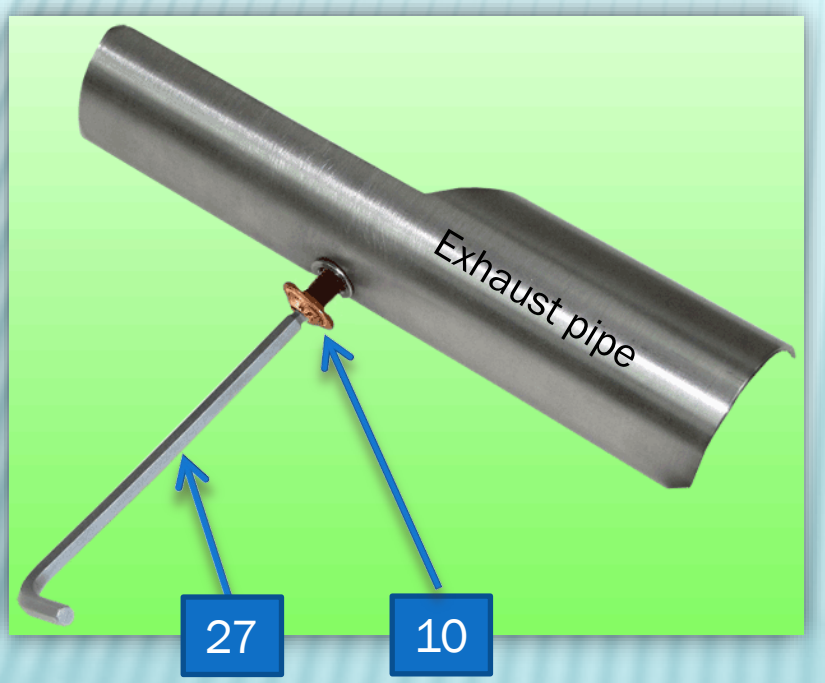
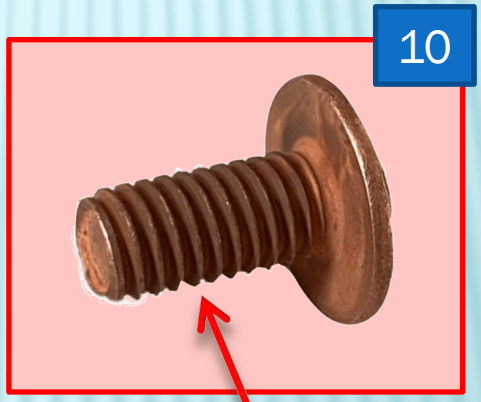
3. Exhaust is not equipped with any fitting

STEP 4 - after measuring the holes closed bolts
(screws are parts of the set)

Exhaust pipe (dummy)





18 Lubricant for pipe thread fittings

Notice 1

Connection to AFR Tuning Monitor

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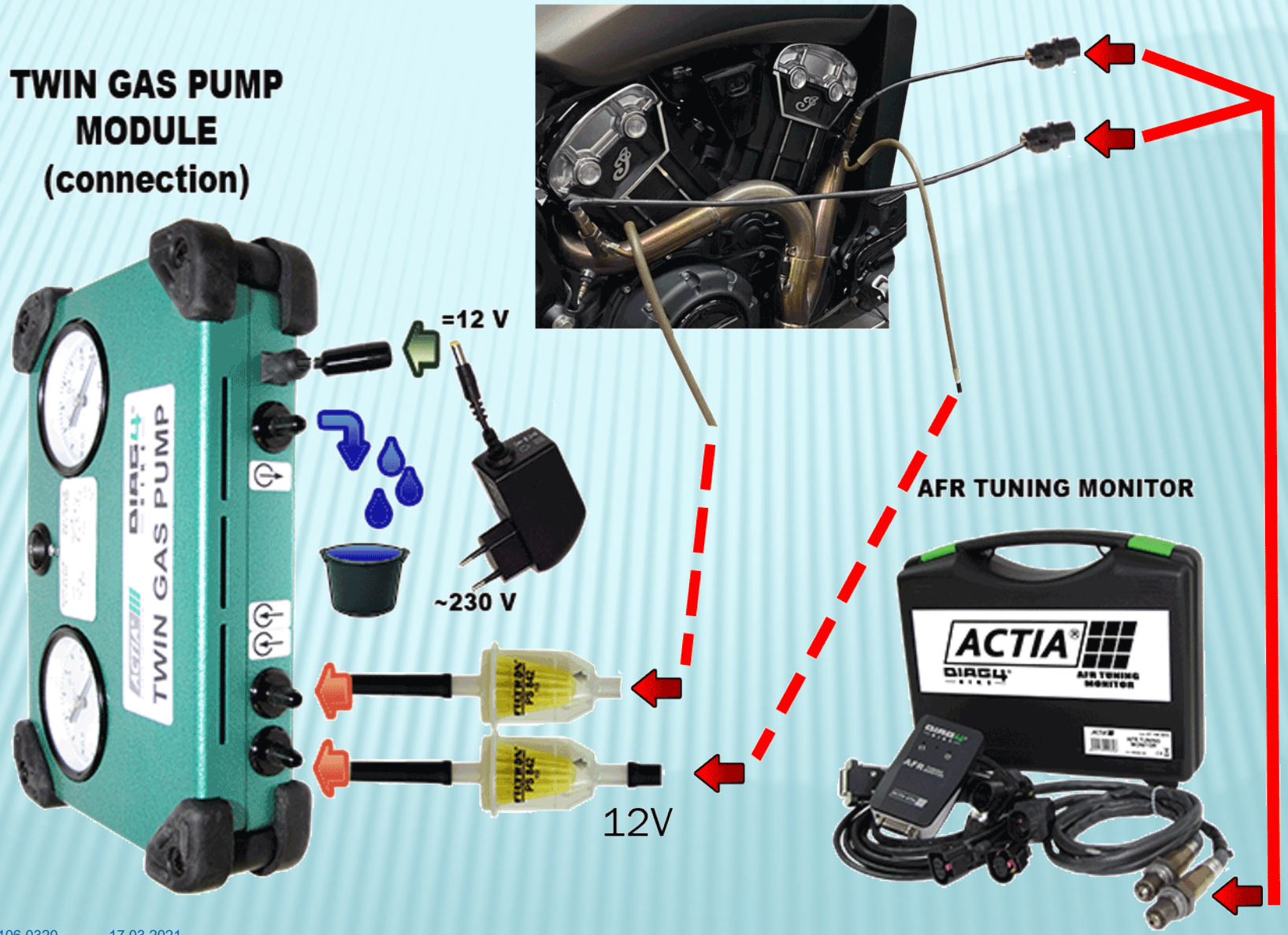
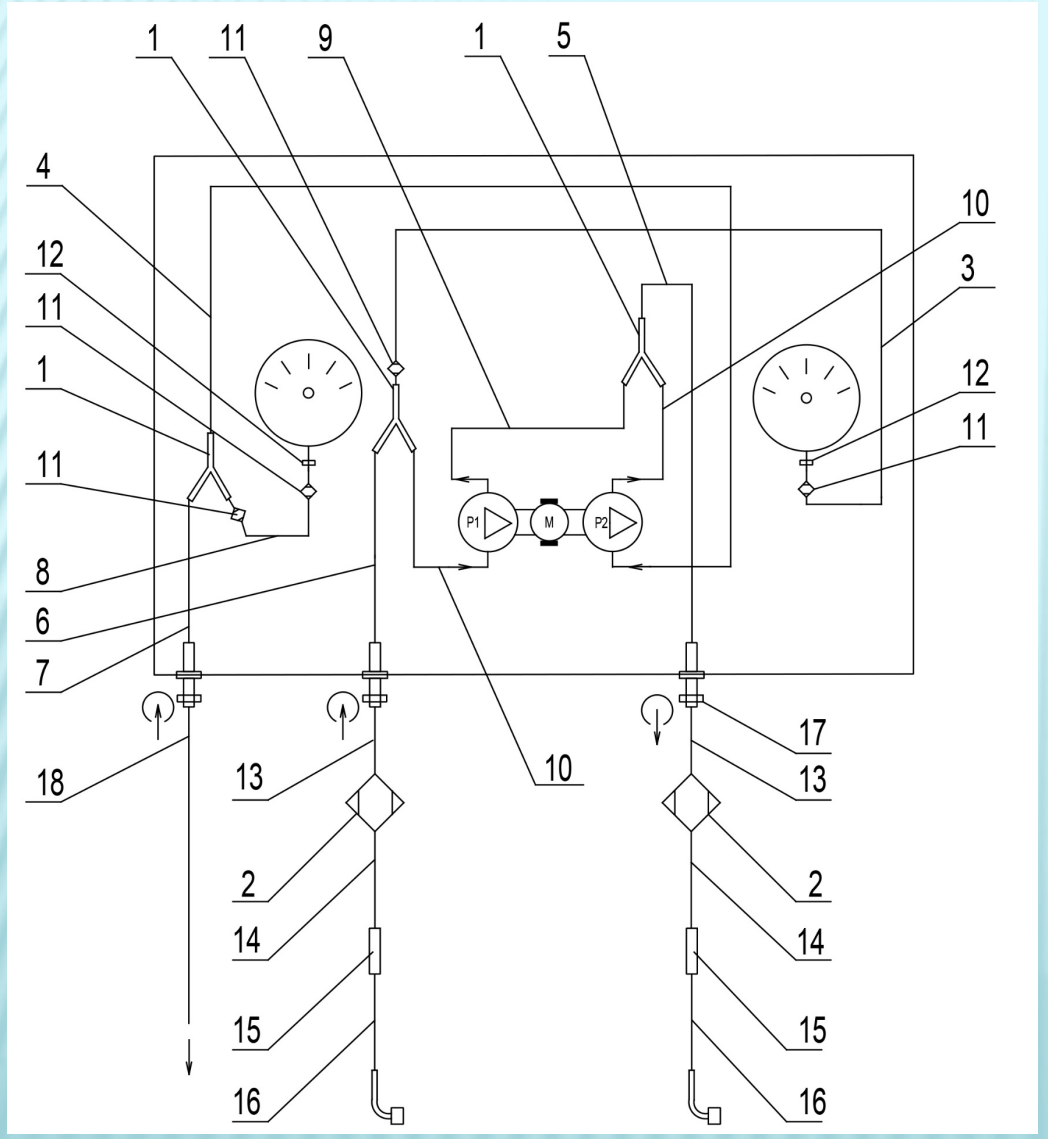


Notice 2

Twin Gas Pump pneumatic schema



Positio	Reference	Name	Amount	
1	6HP00251	YS 4 - Y- junction	3	pcs
2	6FP00065	Fuel filter- paper, FILTRON PS842	2	pcs
3	5HP00011	Hose PVC (oil resistant) diameter 3,5x1 mm	0,25	m
4	5HP00011	Hose PVC (oil resistant) diameter 3,5x1 mm	0,25	m
5	5HP00011	Hose PVC (oil resistant) diameter 3,5x1 mm	0,18	m
6	5HP00011	Hose PVC (oil resistant) diameter 3,5x1 mm	0,095	m
7	5HP00011	Hose PVC (oil resistant) diameter 3,5x1 mm	0,09	m
8	5HP00011	Hose PVC (oil resistant) diameter 3,5x1 mm	0,065	m
9	5HP00011	Hose PVC (oil resistant) diameter 3,5x1 mm	0,085	m
10	5HP00011	Hose PVC (oil resistant) diameter 3,5x1 mm	0,12	m
11	6FF00028	Filter 4 x 5mm	4	pcs
12	N500 4202	Hose clamp 5,2	2	pcs
13	5HP00017	Hose NBR (oil resistant) diameter 6x1,5 mm	0,2	m
14	5HP00017	Hose NBR (oil resistant) diameter 6x1,5 mm	3	m
15	6HP00248	GS - straight junction - GS 6	2	pcs
16	5HG00133	Silicone hose - 6,3/11,1 mm	2	m
17	6HF00261	Hose clampW16-9	3	pcs
18	5HP00017	Hose PVC (oil resistant) diameter 6x1,5 mm	3	m