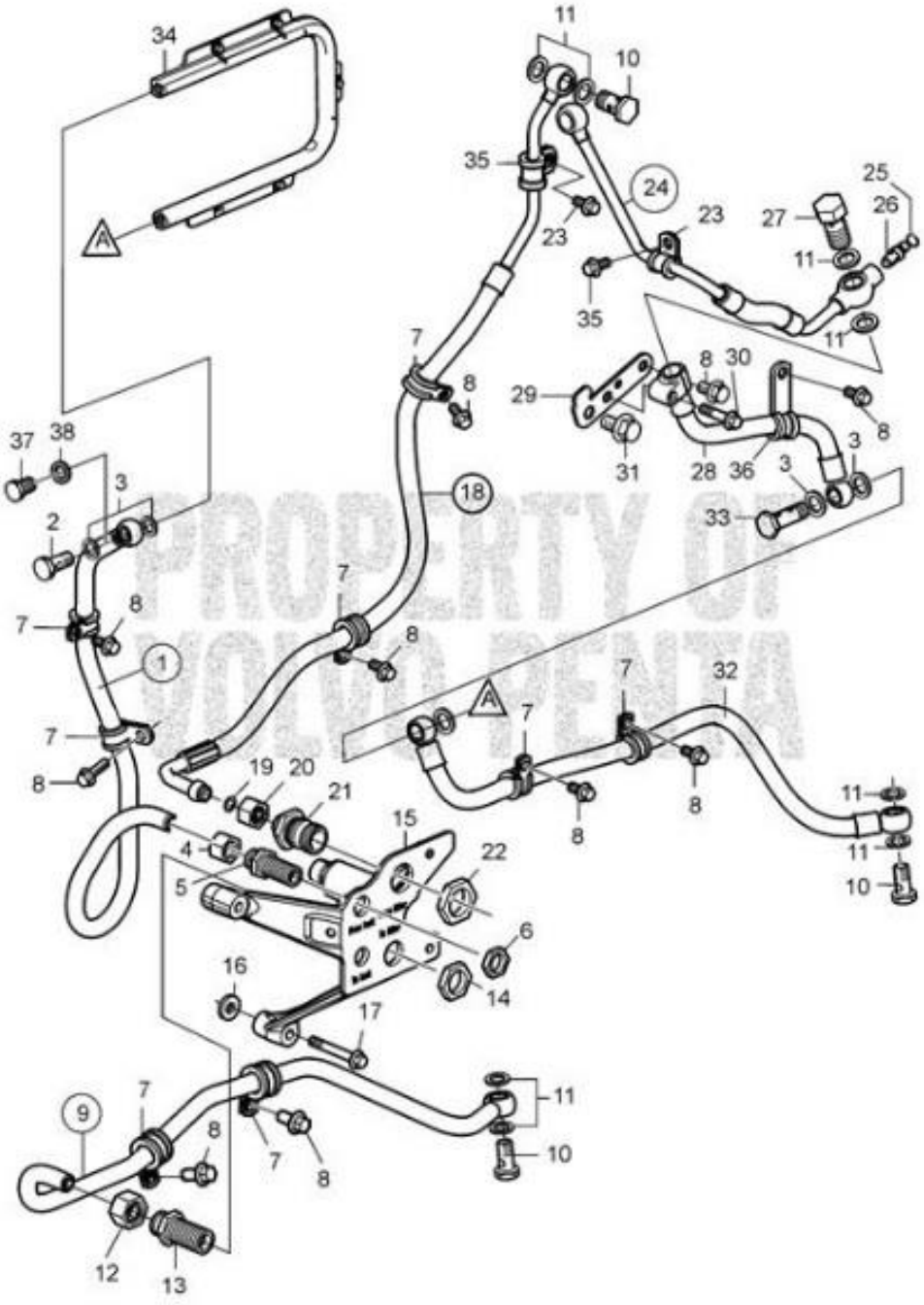
Volvo Penta Exploded view / schematic Fuel System, Alternative Mounting
TAD1371VE, TAD1372VE, TAD1373VE, TAD1374VE, TAD1375VE



#	Description	PartNo.	Qty
1	Fuel pipe	15186198	1
2	• Hollow screw	991048	1
3	• Sealing ring	20852764	2
4	• Fitting nut	956984	1
5	• Nipple	957083	1
6	Hexagon nut	957019	1
7	Clamp	949747	8
8	Flange screw	984733	9
9	Fuel pipe	15186703	1
10	• Hollow screw	991046	1
11	• Sealing ring	20852765	2
12	• Fitting nut	956985	1
13	• Nipple	957084	1
14	Hexagon nut	957020	1
15	Bracket	15034005	1
16	Washer	949523	2
17	Flange screw	994386	3
18	Fuel hose	22019356	1
19	• O-ring	976971	1
20	• Fitting nut	956984	1
21	• Nipple	8148326	1
22	Hexagon nut	957021	1
23	Clamp	942542	2
24	Fuel hose	22055709	1
25	• Protecting cover	20547976	1
26	• Faucet	20548012	1
27	Overflow valve	21140647	1
28	Fuel hose	22055712	1
29	Bracket	22054809	1
30	Flange screw	984837	1
31	Flange screw	984751	1
32	Fuel hose	22019358	1
33	Hollow screw	978197	1
34	Radiator	17208196	1
35	Flange screw	984732	2
36	Clamp	974582	1
37	Plug	960632	1
38	Gasket	11998	1

PARTS

Group A: 1, 2, 3, 4, 5, 7*2, 37, 38

Group B: 7*2, 9, 10, 11, 12, 13

Group C: 6, 14, 15, 22

Group D: 7*2, 10, 11*2, 32

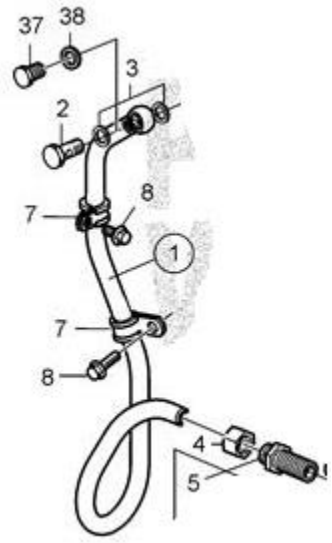
Group E: 3*2, 28, 29, 30, 31, 33, 36

Group F: 11, 23, 24, 25, 26, 27, 35

Group G: 7*2, 10, 11, 18, 23, 35

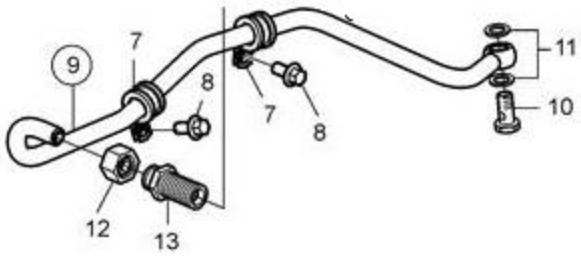
GROUP A

Start with part 1 (fuel pipe). Fix one piece of part 7 (clamp) halfway along part 1 (fuel pipe). Fix the second piece of part 7 (clamp) approximately 3 inches closer to the end of part 1 (fuel pipe) where pieces 2 and 3 are fixed into place. Parts 4 and 5 are already fixed into place as well on the opposite end of part 1. Group A is assembled. Set it aside for now.



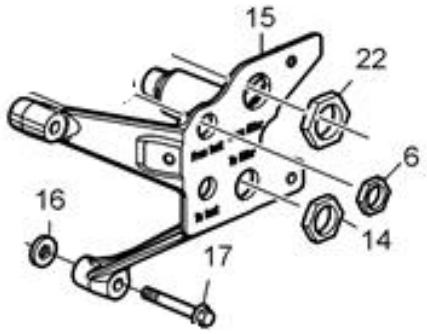
GROUP B

Pieces 10 and 11 are already fixed on to part 9. Parts 12 and 13 are already fixed onto part 9. Secure one piece of part 7 (clamp) halfway on part 9. Secure the other piece of part 7 (clamp) approximately 3 inches from the first piece of part 7 (clamp), on the side of part 9 (fuel pipe) that has parts 12 and 13 fixed at the end. Group B is now complete. Set it aside for now.



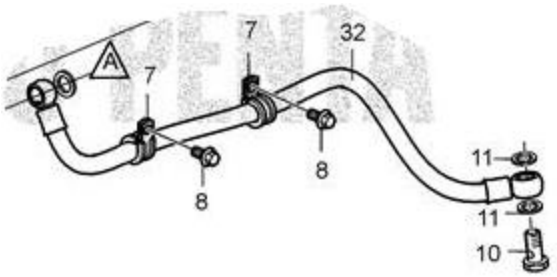
GROUP C:

Set parts 6, 14, 15, 16, 17, and 22 aside for now.



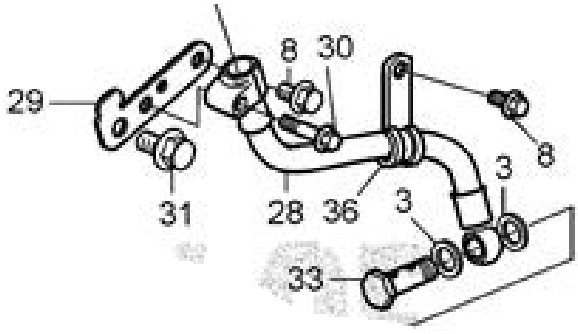
GROUP D:

Secure one piece of part 7 (clamp) halfway on part 32 (fuel hose). Secure the second piece of part 7 (clamp) halfway between the first piece of part 7 (clamp) and either tip—both ends of part 32 (fuel hose) are the same, so which side will not matter until later. Pieces 10 and 11 should be fixed on the opposite end of piece 32 from the end with part 7 (clamp) secured nearest it. Group D is now complete. Set it aside for now.



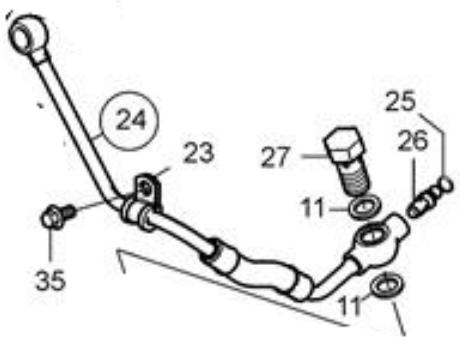
GROUP E:

Turn part 29 (bracket) so that the small protruding section is facing upwards and on the left side. Insert Part 31 (flange screw) into the far left hole . Insert part 30 (flange screw) in the hole in the copper head of piece 28 and into the next leftmost hole of part 29 (bracket). Secure part 36 (clamp) halfway up part 28 (fuel hose). Group E is now complete. Set it aside for now.



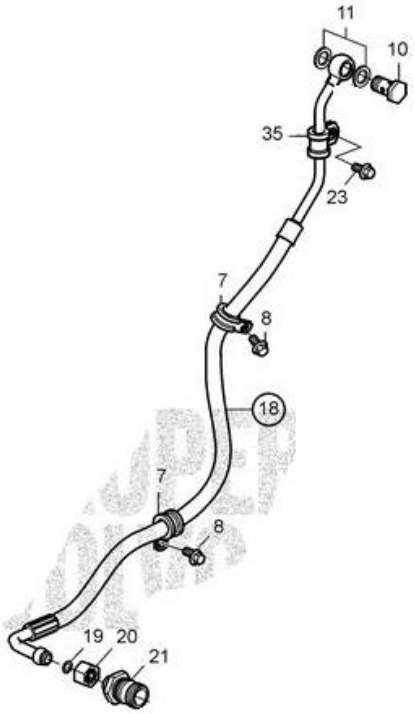
GROUP F:

Insert part 27 (overflow valve) into the end of part 24 (fuel hose) that is closer to the black rubber section. Fix each piece of part 11 (sealing ring) to part 27 (overflow valve), one on each side of part 24 (fuel hose). Parts 25 and 26 are already fixed onto part 24 (fuel hose). Secure part 23 (clamp) halfway up part 24 (fuel hose), and screw part 35 (flange screw) into part 23 (clamp). Group F is now complete. Set it aside for now.



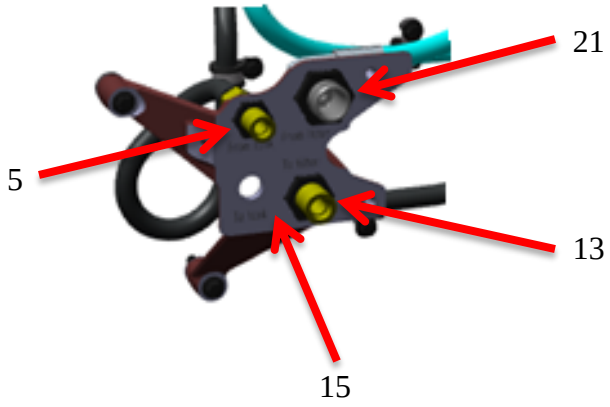
GROUP G:

Parts 19, 20, and 21 are already fixed onto part 18 (fuel hose). Secure the first piece of part 7 (clamp) one third of the way up the black rubber piece, and the second piece of part 7 (clamp) two thirds of the way up. Secure part 35 (clamp) halfway up the metallic end of the straighter metallic piece of part 18 (fuel hose). Fix it down with part 23 (flange screw). Group G is now complete. Set it aside for now.

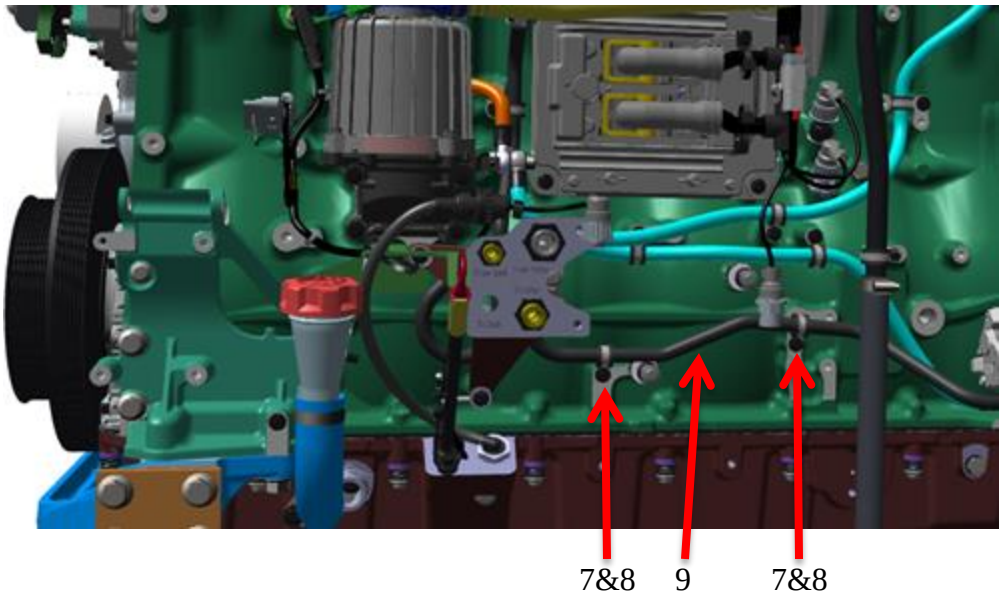


ASSEMBLY

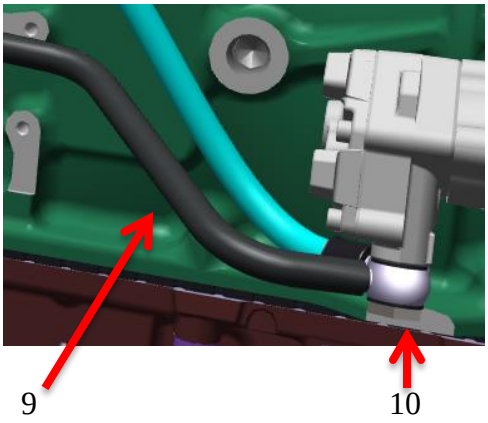
With all of the part groups assembled, it is time to combine them. Set part 15 (bracket) from group C so that its notch is facing the right. It should make a “C”. Take parts 4 and 5 from group A and insert them through the top left hole of part 15 (bracket) from group C. Screw part 6 (hexagon nut) from group C onto the tip of part 5 (nipple) from group A until it is flush with the top of part 15 (bracket). Insert the end of part 13 (nipple) through the bottom hole of part 15 (bracket), and fasten part 14 (hexagon nut) down on the tip of part 13 (nipple) until it is flush with the top of part 15 (bracket). Insert part 21 (nipple) from group G through the top right hole of part 15 (bracket) (the largest hole). Screw piece 22 from the group C onto the tip on part 21 (nipple) that is protruding through part 15 (bracket) until it is flush with the top of part 15 (bracket). It’s time to mount part 15 (bracket) onto the engine.



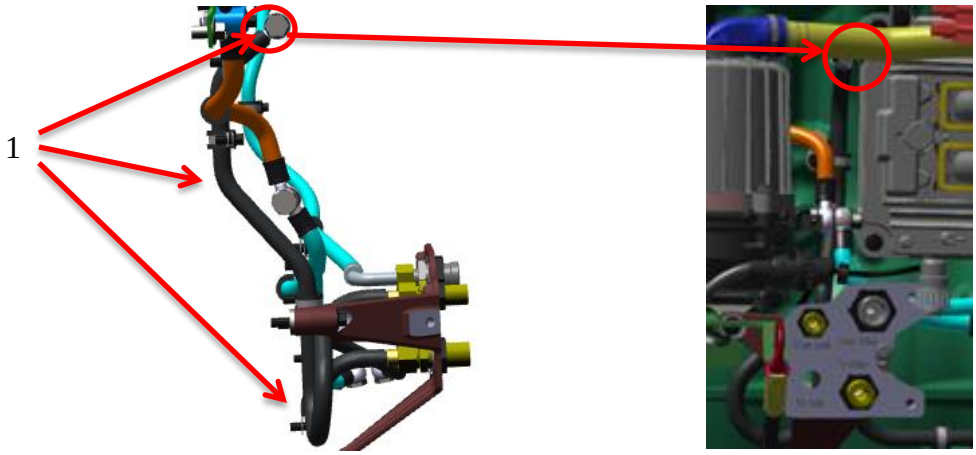
Each of the legs of part 15 (bracket) should be screwed into the engine block using the three pieces of part 17 (flange screw). With part 15 (bracket) mounted, we can begin running hoses to the correct locations.



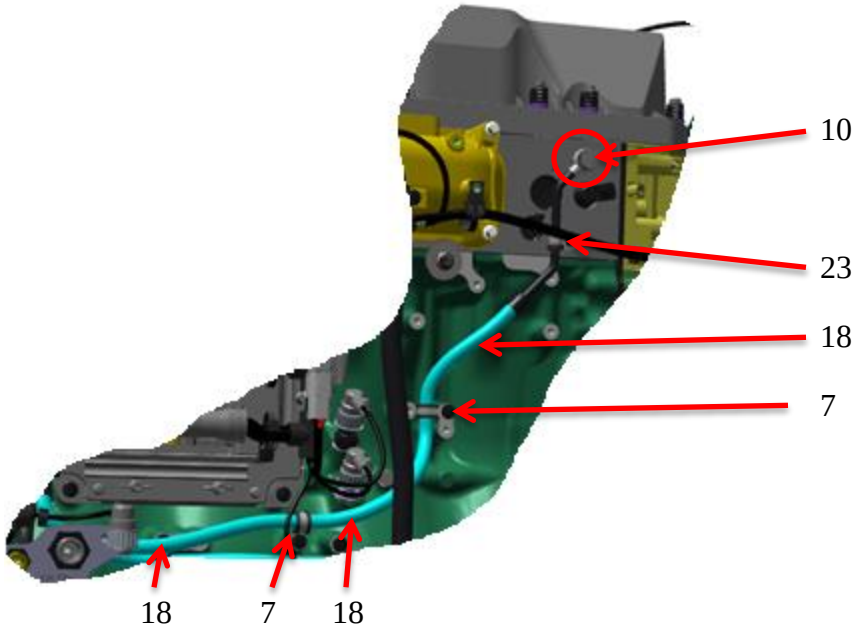
Run part 9 (fuel pipe) along the engine, and secure each clamp (part 7) into the predrilled holes in the engine with flange screws (part 8).



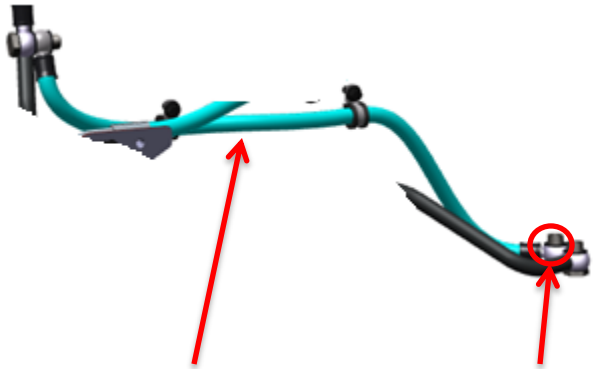
Connect part 9 into the engine using part 10 (hollow screw)

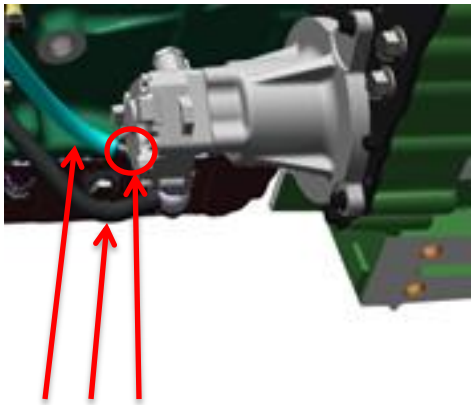


Run part 1 (fuel pipe) upwards towards the top of the engine to part 34 (radiator), and secure part 2 (hollow screw) into the hole in the tip of the upper prong of part 34 (radiator). Secure each clamp (part 7) into the predrilled holes in the engine with flange screws (part 8).

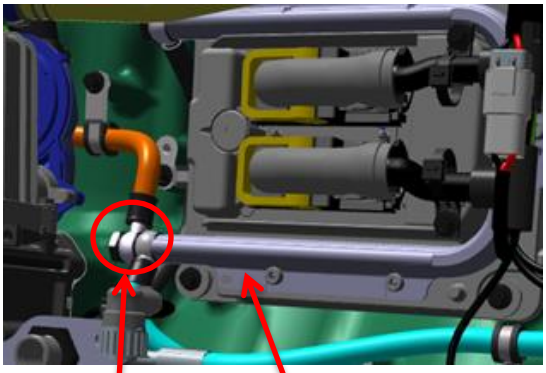


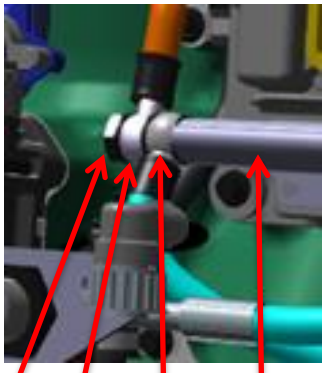
Run the fuel pipe (part 18) up and along the engine block onto the top of the engine. Secure the fuel pipe with the hollow screw (part 10) into the engine block. Use the two sealing rings (part 11) as washers between the hollow screw (part 10), the head of the fuel pipe (part 18), and the engine block. Secure three clamps (2 of part 7 and 23) to the fuel pipe (part 18), and secure the clamps to the engine block with flange screws (part 8). Both part 7 clamps should be fixed to the rubber tubing, and the part 23 clamp should be fixed to the metallic part of the fuel pipe.



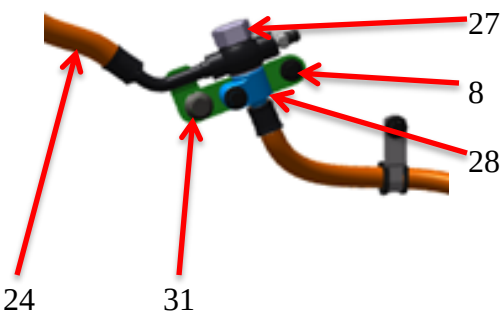


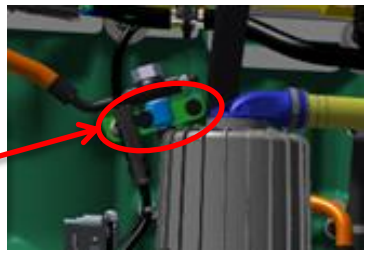
Screw the head of fuel hose part 32 into the engine block next to where fuel hose part 9 is mounted into the engine block using a hollow screw (part 10). Secure each clamp (part 7) into the predrilled holes in the engine with flange screws (part 8).



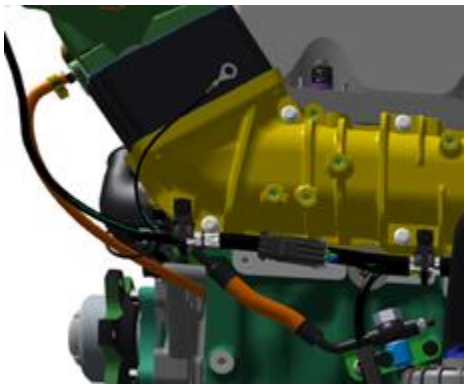


Align the opposite tip of piece 32 with the end of part 28 (fuel hose) and with the bottom rail of part 34 (radiator). Drive part 33 (hollow screw) through the heads of part 28 (fuel hose) and 32 and screw it into the tip of the lower rail of part 34 (radiator). Use both pieces of part 3 (sealing ring) as washers between pieces 33, 28, and 32.





Secure piece 29 (bracket) onto the engine block with part 31 (flange screw) through the far left hole. The bracket should have the waved nodule on the top left. Insert part 8 (flange screw) through the far right hole. Part 30 (flange screw) should run through the hole on the copper tip (blue in the above pictures) of part 28 (fuel hose), through the second-to-left hole on part 29 (bracket), and directly into the engine block. Secure part 28 to the engine block with part 36 (clamp), and fasten part 36 to the engine block with part 8. Using both pieces of part 11 (sealing ring) on both sides of the tip of part 24 (fuel hose), connect part 24 (fuel hose) to part 28 (fuel hose). The opening of the copper tip of part 28 (fuel hose) should match up to the opening on the bottom side of the tip of part 24 (fuel hose) with parts 25 and 26 on it. Screw in part 27 (overflow valve) through the tip of part 24 (fuel hose), and into the copper tip of part 28 (fuel hose).



Part 24 should align with the hole in the engine block where it is supposed to mount. Mount part 24 into the engine block using part 10 (hollow screw).