

INSTALLATION INSTRUCTIONS MAZDA ROTARY FUEL RAILS

13B-REW, 13B-RE, 20B-REW, 26B

Document: 19-0195

Support: info@radiumauto.com

FOR 13B-REW ENGINES

follow "13B-REW" below

FOR 13B-RE ENGINES

follow "13B-RE" below

FOR 20B-REW ENGINES

follow "20B-REW" below

FOR 4-ROTOR 26B ENGINES

CAUTION

Only a qualified technician following applicable safety procedures should perform the installation of this product. One must have knowledge in repair and modification of fuel systems and general vehicle modifications to install this product.

Gasoline and other fuels are flammable and can be explosive.

Only install in a well-ventilated location to minimize buildup of fuel vapors.

No sparks, open flames, smoking or other ignition sources are to be present. Draining and removal of all fuel from the fuel system is recommended. Proper eye and personal protection is required at all times during installation.

WARNING

The fuel system is under pressure! Do not loosen any connections until relieving the fuel system pressure. Consult a service manual for instructions on relieving fuel pressure safely. This product is designed for off-highway and racing use only.

	follow "26B" belo	W Fuel system components may not be legal for sale or use on emission:	, , , , , , , , , , , , , , , , , , , ,
STEP	TOOLS NEEDED	INSTRUCTIONS	РНОТО
13B- REW 1	10mm Wrench	13B-REW FUEL RAILS (ALL) NOTE: Because this instruction manual covers vehicles with various modifications, there may be differences not shown. If there is residual pressure in the fuel lines, it is recommended to disconnect the green fuel pump relay (shown) in the fuse box next to the battery. Run the engine until it stalls. Disconnect the negative battery terminal.	E30 Pri
13B-	17mm Wrench Pliers	Reference the Factory Service Manual to remove the upper intake manifold and all associated vacuum lines, oil lines, solenoids, etc. The lower intake manifold can remain installed. Disconnect the fuel lines with a 17mm	
130-	12mm Wrench	wrench and pliers. Unscrew the fuel rail mounting bolts using a 12mm	
REW		wrench. Remove the fuel rail assembly from the vehicle and drain all of the remains in a fuel safe container. Place the assembly on a work bench.	6
2		·	
		For protection, cover the intake manifold and injector ports to prevent debris from accidentally falling into the engine.	-0-0-0-0-0-10-0-10-0-10-0-10-0-10-0-10
13B-		It is recommended to reuse the OEM fuel injector diffusers to prevent wall wetting and permit optimal driveability. To inspect, shine a light down into the ports to be sure the diffusers are still in good condiiton.	
REW		NOTE: The diffusers are not absolutely necessary and many will argue they	
3		are not required. If removal is required, gently apply pressure to the inner walls with needle nose pliers or use a pick to pull out as shown.	
	Oil Lubrication	20-0445 Fuel Rail, Top Feed Conversion, 13B Primary	Company of Samuel Samue
13B-		Clean the OEM primary fuel injector ports.	
REW		Lubricate the provided injector seat O-rings and firmly push the injector seats into place, as shown.	
4			OJUMAUTO E DIUMAUTO E

13B- REW . 5	Oil Lubrication Oil Lubrication	Prepare the fuel rail for installation. 8AN ORB fittings will be required for all ports. A wide selection of adapters are available at www.radiumauto.com. Lubricate the O-rings prior to installing. Reference the product page at www.radiumauto.com to find appropriately sized top feed fuel injectors. Lubricate the upper O-rings on the fuel injectors. Press the fuel injectors in	ST DANKS
6		each port.	
13B- REW 7		If applicable, the OEM fuel rail mounting spacer (shown) will NOT be reused.	
13B- :	Oil Lubrication 6mm Allen Wrench	Next, press the included insulating spacers into the fuel rail mounts. Lubricate the lower injector O-rings. Lineup and press the fuel rail down until the injectors are fully secure in the Radium injector seats.	
8		Install the provided insulating washers under the included M8x1.25mm bolts and secure to the engine. Install Complete: 20-0445 Fuel Rail, Top Feed Conversion, 13B Primary	
	10mm Socket	bolts and secure to the engine.	

13B- REW 11	10mm Wrench	Unscrew the lower nut to loosen and remove each stud from the intake manifold, as shown. Inspect the ACV gasket (shown). Replace if necessary.	A
13B-		Mazda P/N: N3A3-13-996	16
REW			
12		- - - -	
	4mm Allen Wrench	Place the ACV gasket down and then the Radium delete plate. Tighten using	
13B-		the supplied screws.	65
REW		Installation Complete for 20-0449 ACV Delete, Mazda 13B-REW	Coton
13		- - -	
			The second secon
	Oil Lubrication	20-0447 Fuel Rail, Top Feed Conversion, 13B-REW Secondary	
13B-	Oil Lubrication 1/8" Allen Wrench	If this fuel rail will be installed on the OEM 13B-REW (2-port) lower intake	
13B-			
		If this fuel rail will be installed on the OEM 13B-REW (2-port) lower intake manifold, the provided 2AN ORB plugs need to be installed into the 2 center	
REW		If this fuel rail will be installed on the OEM 13B-REW (2-port) lower intake manifold, the provided 2AN ORB plugs need to be installed into the 2 center injector ports, as shown. First lubricate the O-rings. If this fuel rail will be installed on an aftermarket 13B-REW 4-port lower	
REW	1/8" Allen Wrench	If this fuel rail will be installed on the OEM 13B-REW (2-port) lower intake manifold, the provided 2AN ORB plugs need to be installed into the 2 center injector ports, as shown. First lubricate the O-rings. If this fuel rail will be installed on an aftermarket 13B-REW 4-port lower intake manifold, the provided 2AN ORB plugs are NOT needed. Clean the fuel injector ports. For OEM Mazda (2-port) and Elite Rotary Shop	
rew 14	1/8" Allen Wrench	If this fuel rail will be installed on the OEM 13B-REW (2-port) lower intake manifold, the provided 2AN ORB plugs need to be installed into the 2 center injector ports, as shown. First lubricate the O-rings. If this fuel rail will be installed on an aftermarket 13B-REW 4-port lower intake manifold, the provided 2AN ORB plugs are NOT needed. Clean the fuel injector ports. For OEM Mazda (2-port) and Elite Rotary Shop (4-port) intake manifolds, lubricate the provided injector seat O-rings and firmly push the injector seats into place, as shown. NOTES:	
13B- REW	1/8" Allen Wrench	If this fuel rail will be installed on the OEM 13B-REW (2-port) lower intake manifold, the provided 2AN ORB plugs need to be installed into the 2 center injector ports, as shown. First lubricate the O-rings. If this fuel rail will be installed on an aftermarket 13B-REW 4-port lower intake manifold, the provided 2AN ORB plugs are NOT needed. Clean the fuel injector ports. For OEM Mazda (2-port) and Elite Rotary Shop (4-port) intake manifolds, lubricate the provided injector seat O-rings and firmly push the injector seats into place, as shown. NOTES: 1. For Elite Rotary Shop 4-port intake manifolds, 2 extra injectors seats must be purchased separately (P/N: 20-0444, Quantity: 2)	
14 13B-	1/8" Allen Wrench	If this fuel rail will be installed on the OEM 13B-REW (2-port) lower intake manifold, the provided 2AN ORB plugs need to be installed into the 2 center injector ports, as shown. First lubricate the O-rings. If this fuel rail will be installed on an aftermarket 13B-REW 4-port lower intake manifold, the provided 2AN ORB plugs are NOT needed. Clean the fuel injector ports. For OEM Mazda (2-port) and Elite Rotary Shop (4-port) intake manifolds, lubricate the provided injector seat O-rings and firmly push the injector seats into place, as shown. NOTES: 1. For Elite Rotary Shop 4-port intake manifolds, 2 extra injectors seats must be purchased separately (P/N: 20-0444, Quantity: 2) 2. The Xcessive Manufacturing 4-port intake manifold does not require the injectors seats as they are already machined to accept 14mm lower injector	
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13B- REW .		Prepare the fuel rail by installing the necessary adapter fittings and accessories. 8AN ORB fittings will be required for all ports. A wide selection of adapters are available at www.radiumauto.com. Lubricate the O-rings prior to installing. Check for clearance with other components before final installation of the fuel rail.	
13B- REW	Oil Lubrication	Reference the product page at www.radiumauto.com to find appropriately sized top feed fuel injectors. Lubricate the upper O-rings on the fuel injectors. Press the fuel injectors in each port (2-port variation shown).	
13B- REW	Oil Lubrication 6mm Allen Wrench	Press-in the included insulating spacers. NOTE: The OEM and Elite intake manifolds require the 20mm spacers. The Xcessive manifold (that doesn't need the provided injector seats) requires the 11mm spacers. Lubricate the lower injector O-rings. Lineup and press the rail down until the fuel injectors are secure in their respective seats. Install the provided insulating washers under the included M8x1.25mm bolts and secure to the extension mounts. Installation Complete: 20-0447 Fuel Rail, 13B-REW Secondary	
13B- REW 20	10mm Socket	Plumbing will still need to be configured and adapted to the fuel rail(s). Reinstall all components in reverse order. Reconnect the battery. Cycle the ignition switch a few times (without starting engine). CHECK FOR LEAKS! If no leaks are found, start the engine and check again while the engine is running. Installation Complete	

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	10mm Wrench	13B-RE FUEL RAILS (ALL) NOTE: Because this instruction manual covers vehicles with various	
13B-		modifications, there may be differences not shown.	E 30 = F VIII 11
RE		If there is residual pressure in the fuel lines, it is recommended to	
1		disconnect the green fuel pump relay (shown) in the fuse box next to the battery. Run the engine until it stalls.	
_		Disconnect the negative battery terminal.	CIL
		Defended the Control Control Manual to severe the control into the control into the control into the control in	
	Pliers	Reference the Factory Service Manual to remove the upper intake manifold and all associated vacuum lines, oil lines, solenoids, etc. The lower intake	
13B-	12mm Wrench	manifold can remain installed. Disconnect the fuel lines with pliers. Unscrew	
5.5		the fuel rail mounting bolts using a 12mm wrench. Remove the fuel rail assembly from the vehicle and drain all of the remains in a fuel safe	
RE		container. Place the assembly on a work bench.	
2		For protection, cover the intake manifold and injector ports to prevent	
		debris from accidentally falling into the engine.	
		It is recommended to reuse the OEM fuel injector diffusers to prevent wall	
		wetting and permit optimal driveability. To inspect, shine a light down into the ports to be sure the diffusers are still in good condiiton.	A CONTRACT OF THE PARTY OF THE
13B-		The ports to be sure the anitusers are still in good containon.	
RE		NOTE: The diffusers are not absolutely necessary and many will argue they	
2		are not required. If removal is required, gently apply pressure to the inner walls with needle nose pliers or use a pick to pull out as shown.	
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	Oil Lubrication	20-0445 Fuel Rail, Top Feed Conversion, 13B Primary	The second second second
13B-	Oil Lubrication	20-0445 Fuel Rail, Top Feed Conversion, 13B Primary Clean the OEM primary fuel injector ports.	
	Oil Lubrication	Clean the OEM primary fuel injector ports. Lubricate the provided injector seat O-rings and firmly push the injector	
RE	Oil Lubrication	— Clean the OEM primary fuel injector ports.	
	Oil Lubrication	Clean the OEM primary fuel injector ports. Lubricate the provided injector seat O-rings and firmly push the injector	BOUMAITO:
RE	Oil Lubrication	Clean the OEM primary fuel injector ports. Lubricate the provided injector seat O-rings and firmly push the injector	DIUMAUTO:
RE	Oil Lubrication Oil Lubrication	Clean the OEM primary fuel injector ports. Lubricate the provided injector seat O-rings and firmly push the injector seats into place, as shown. Prepare the fuel rail for installation. 8AN ORB fittings will be required for all	B _{JUMAUTU} B B _{JUMAUTU}
4		Clean the OEM primary fuel injector ports. Lubricate the provided injector seat O-rings and firmly push the injector seats into place, as shown. Prepare the fuel rail for installation. 8AN ORB fittings will be required for all ports. A wide selection of adapters are available at www.radiumauto.com.	BOIL MAUTO: BOIL MAUTO:
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RE 4		Clean the OEM primary fuel injector ports. Lubricate the provided injector seat O-rings and firmly push the injector seats into place, as shown. Prepare the fuel rail for installation. 8AN ORB fittings will be required for all ports. A wide selection of adapters are available at www.radiumauto.com.	BUMAUTO: BOUMAUTO:
13B- RE		Clean the OEM primary fuel injector ports. Lubricate the provided injector seat O-rings and firmly push the injector seats into place, as shown. Prepare the fuel rail for installation. 8AN ORB fittings will be required for all ports. A wide selection of adapters are available at www.radiumauto.com.	B _{IUMAUTO} .B SIUMAUTO.
13B- RE		Clean the OEM primary fuel injector ports. Lubricate the provided injector seat O-rings and firmly push the injector seats into place, as shown. Prepare the fuel rail for installation. 8AN ORB fittings will be required for all ports. A wide selection of adapters are available at www.radiumauto.com. Lubricate the O-rings prior to installing. Reference the product page at www.radiumauto.com to find appropriately	BOUNAUTO SE LO JUNAUTO SE LO J
13B- RE 5	Oil Lubrication	Clean the OEM primary fuel injector ports. Lubricate the provided injector seat O-rings and firmly push the injector seats into place, as shown. Prepare the fuel rail for installation. 8AN ORB fittings will be required for all ports. A wide selection of adapters are available at www.radiumauto.com. Lubricate the O-rings prior to installing.	B _{IUMAUTO} .
13B- RE	Oil Lubrication	Clean the OEM primary fuel injector ports. Lubricate the provided injector seat O-rings and firmly push the injector seats into place, as shown. Prepare the fuel rail for installation. 8AN ORB fittings will be required for all ports. A wide selection of adapters are available at www.radiumauto.com. Lubricate the O-rings prior to installing. Reference the product page at www.radiumauto.com to find appropriately sized top feed fuel injectors. Lubricate the upper O-rings on the fuel injectors. Press the fuel injectors in	BUNAUTO SE CONTRACTO SE CONTRAC
13B- RE 5	Oil Lubrication	Clean the OEM primary fuel injector ports. Lubricate the provided injector seat O-rings and firmly push the injector seats into place, as shown. Prepare the fuel rail for installation. 8AN ORB fittings will be required for all ports. A wide selection of adapters are available at www.radiumauto.com. Lubricate the O-rings prior to installing. Reference the product page at www.radiumauto.com to find appropriately sized top feed fuel injectors.	BOUMAUTO:
13B- RE 5	Oil Lubrication	Clean the OEM primary fuel injector ports. Lubricate the provided injector seat O-rings and firmly push the injector seats into place, as shown. Prepare the fuel rail for installation. 8AN ORB fittings will be required for all ports. A wide selection of adapters are available at www.radiumauto.com. Lubricate the O-rings prior to installing. Reference the product page at www.radiumauto.com to find appropriately sized top feed fuel injectors. Lubricate the upper O-rings on the fuel injectors. Press the fuel injectors in	BUNAUTO SE CONTRACTO S
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13B- RE 5	Oil Lubrication	Clean the OEM primary fuel injector ports. Lubricate the provided injector seat O-rings and firmly push the injector seats into place, as shown. Prepare the fuel rail for installation. 8AN ORB fittings will be required for all ports. A wide selection of adapters are available at www.radiumauto.com. Lubricate the O-rings prior to installing. Reference the product page at www.radiumauto.com to find appropriately sized top feed fuel injectors. Lubricate the upper O-rings on the fuel injectors. Press the fuel injectors in	B _{IUMAUTO} BIOLOGIA DE LA CONTROLOGIA DEL CONTROLOGIA DE LA CONTROLOGIA DEL CONTROLOGIA DE LA CONTROLO

		If applicable, the OEM fuel rail mounting spacer (shown) will NOT be reused.	
13B- RE 7			
13B- RE 8	Oil Lubrication 6mm Allen Wrench	Press-in the included insulating spacers. Lubricate the lower injector O-rings. Lineup and press the fuel rail down until the injectors are fully secure in the Radium injector seats. Install the provided insulating washers under the included M8x1.25mm bolts and secure to the engine. Install Complete: 20-0445 Fuel Rail, Top Feed Conversion, 13B Primary	
13B- RE 9	Oil Lubrication	20-0446 Fuel Rail, 13B-RE Secondary If OEM style fuel injectors are to be used, the spacing that the OEM diffusers produce is required as they provide a mechanical stop. Otherwise the stock injector will fall down and out of the fuel rail port. If aftermarket injectors are used, the included injector seats provide the actual mechanical stop. Furthermore, the injector seats were designed for flexibility as the OEM diffusers can be either reused or removed (as shown) with no change in fitment. This decision is up to the installer.	11: 6 86
13B- RE 10	Oil Lubrication	If installing injectors that are NOT stock replacements (or equivalents), reference the product page at www.radiumauto.com to find appropriately sized top feed fuel injectors. These aftermarket injectors have a 14mm lower O-ring which require the included injector seats to be installed. Do NOT perform this step if using OEM style injectors. First, clean the OEM injector ports. Lubricate the provided injector seat O-rings and firmly push the injector seats into place, as shown.	
13B- RE 11	Oil Lubrication	Prepare the fuel rail for installation by installing the necessary fittings and adapters. 8AN ORB fittings will be required for all ports. A wide selection of adapters are available at www.radiumauto.com. Lubricate both the fitting and upper injector O-rings prior to installing. Press the fuel injectors into each port.	
13B- RE 12	Oil Lubrication 6mm Allen Wrench	For aftermarket injectors that require the included injector seats, press-in the provided insulating spacers. With OEM equivalent injectors (shown), the insulating spacers are NOT required. Lubricate the lower fuel injector O-rings. Lineup and press the fuel rail down until the fuel injectors are fully secure in their respective seats. Next, install the provided insulating washers under the included M8x1.25mm bolts and secure to the lower intake manifold. Installation Complete: 20-0446 Fuel Rail, 13B-RE Secondary	

	10mm Socket	Plumbing will still need to be configured and adapted to the fuel rail(s). Reinstall all components in reverse order. Reconnect the battery.	
13B- RE		Cycle the ignition switch a few times (without starting engine). CHECK FOR LEAKS! If no leaks are found, start the engine and check again while the engine is running.	
13		Installation Complete	

	10mm Wrench	20B-REW FUEL RAILS (ALL)	
200		NOTE: Because this instruction manual covers vehicles with various	
20B-		modifications, there may be differences not shown.	E30 F (F)
REW _		If there is residual pressure in the fuel lines, it is recommended to disconnect the green fuel pump relay (shown) in the fuse box next to the	
1		battery. Run the engine until it stalls.	
		Disconnect the negative battery terminal.	THE STATE OF THE S
	Pliers	Reference the Factory Service Manual to remove the upper intake manifold	
20B-	12mm Wrench	and all associated vacuum lines, oil lines, solenoids, etc. The lower intake manifold can remain installed, as shown.	
REW		Disconnect the fuel lines and unscrew the fuel rail mounting bolts. Remove	PY
1		the fuel rail assembly from the vehicle and drain all of the remains in a fuel safe container. Place the assembly on a work bench.	
2		For protection, cover the intake manifold and injector ports to prevent debris from accidentally falling into the engine.	
		It is recommended to reuse the OEM fuel injector diffusers to prevent wall	
20B-		wetting and permit optimal driveability. To inspect, shine a light down into the ports to be sure the diffusers are still in good condiiton.	The second secon
l ⊦		NOTE: The diffusers are not absolutely necessary and many will argue they	
REW _		are not required. If removal is required, gently apply pressure to the inner	
3		walls with needle nose pliers or use a pick to pull out as shown.	
	Oil Lubrication	20-0464 Fuel Rail, Top Feed Conversion, 20B-REW Primary	ANGE TO THE PARTY OF THE PARTY
20B-		Clean the 3 OEM primary fuel injector ports.	
REW		Lubricate the provided injector seat O-rings and firmly push the injector seats into place, as shown.	
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	Oil Lubrication	Prepare the fuel rail by installing adapters or accessories into the open	
20B-		ports. 8AN ORB fittings will be required for all ports. A wide selection of adapters are available at www.radiumauto.com. Lubricate the O-rings prior	
l ⊦		to installing.	
REW _		-	
5			
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\vdash	Oil Lubrication	Reference the product page at www.radiumauto.com to find appropriately	
	On Eubrication	sized top feed fuel injectors.	
20B-		Lubricate the upper O-rings on the fuel injectors. Press the fuel injectors in	Cion S
REW		each port.	
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-		If applicable, the OEM fuel rail mounting spacers will NOT be reused.	
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	Oil Lubrication	Press-in the included insulating spacers. Lubricate the lower injector O-rings.	
	6mm Allen Wrench	Lineup and press the fuel rail down until the injectors are fully secure in the	
20B-		Radium injector seats.	
REW		Install the provided insulating washers under the included M8x1.25mm	
		bolts and secure to the engine.	
8		Install Complete: 20-0464 Fuel Rail, Conversion, 20B-REW Primary	
			==
	Oil Lubrication	20-0465 Fuel Rail, 20B-REW Secondary	
20B-		If OEM style fuel injectors are to be used, the spacing that the OEM diffusers	
200		produce is required as they provide a mechanical stop. Otherwise the stock	
REW		injector will fall down and out of the fuel rail port.	11/2 86
9		If aftermarket injectors are used, the included injector seats provide the	
9		actual mechanical stop. Furthermore, the injector seats were designed for	
		flexibility as the OEM diffusers can be either reused or removed (as shown) with no change in fitment. This decision is up to the installer.	
	Oil Lubrication	If installing injectors that are NOT stock replacements (or equivalents),	
	On Eubrication	reference the product page at www.radiumauto.com to find appropriately	
20B-		sized top feed fuel injectors. These aftermarket injectors have a 14mm lower O-ring which require the included injector seats to be installed. Do	
REW		NOT perform this step if using OEM style injectors.	SIUMA BTO SE
IXL VV		1	
10		First, clean the OEM injector ports. Lubricate the provided injector seat Orings and firmly push the injector seats into place, as shown.	
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	Oil Lubrication	Prepare the fuel rail by installing the necessary adapter fittings or fuel system acceossories. 8AN ORB fittings will be required for all ports. A wide	Cet.
20B-		selection of adapters are available at www.radiumauto.com.	The state of the s
		Lubricata hath the finite and constitution of description and the finite and constitution of the finite the finite and co	
REW		Lubricate both the fitting and upper injector O-rings prior to installing. Press the fuel injectors into each port.	
11		1	
+ +		1	
-		1	
	Oil Lubrication	For aftermarket injectors that require the included injector seats, press-in	
	6mm Allen Wrench	the provided insulating spacers (shown). With OEM equivalent injectors, the	
20B-		insulating spacers are NOT required.	
REW		Lubricate the lower fuel injector O-rings. Lineup and press the fuel rail down	
		until the fuel injectors are fully secure in their respective seats. Next, install	
12		the provided insulating washers under the included M8x1.25mm bolts and secure to the lower intake manifold.	
			4
		Installation Complete: 20-0465 Fuel Rail, 13B-REW Secondary	9

	19mm Socket	20-0466 Fuel Rail, 20B-REW Secondary, 6-Port	
20B- REW 13		Install the two M8 x 1.25mm extension mounts included to the threaded fuel rail bosses, as shown.	
20B- REW 14		8AN ORB fittings will be required for all ports. A wide selection of adapters are available at www.radiumauto.com. Lubricate the O-rings prior to installing.	
20B- REW	Oil Lubrication	Reference the product page at www.radiumauto.com to find appropriately sized top feed fuel injectors. Lubricate the upper O-rings on the fuel injectors. Press the fuel injectors in each port.	
20B- REW .	Oil Lubrication 6mm Allen Wrench	Press-in the included insulating spacers. Lubricate the lower injector O-rings. Lineup and press the fuel rail down until the fuel injectors are fully secure in their respective seats. Install the provided insulating washers under the included M8x1.25mm bolts and secure to the extension mounts. Installation Complete: 20-0466 Fuel Rail, 20B-REW Secondary, 6-Port	
20B- REW 17	10mm Socket	Plumbing will still need to be configured and adapted to the fuel rail(s). Reinstall all components in reverse order. Reconnect the battery. Cycle the ignition switch a few times (without starting engine). CHECK FOR LEAKS! If no leaks are found, start the engine and check again while the engine is running. Installation Complete	

	10mm Wrench	26B PRIMARY FUEL RAIL	
26B	Tomm Without	20-0845 Fuel Rail, Top Feed Conversion, 26B Primary NOTE: Because there are custom modifications to build this 4-rotor engine, many of these instructional steps will not apply.	=30 = FE 111 F
1		If there is residual pressure in the fuel lines, it is recommended to disconnect the green fuel pump relay (shown) in the fuse box next to the battery. Run the engine until it stalls. Disconnect the negative battery terminal.	
26B 2		As shown, remove the upper intake manifold and all associated vacuum lines, oil lines, solenoids, etc. NOTE: For protection, cover the intake manifold and injector ports to prevent debris from accidentally falling into the engine.	
26B 3		It is recommended to reuse the OEM fuel injector diffusers to prevent wall wetting and permit optimal driveability. To inspect, shine a light down into the ports to be sure the diffusers are still in good condiiton. NOTE: The diffusers are not absolutely necessary and many will argue they are not required. If removal is required, gently apply pressure to the inner walls with needle nose pliers or use a pick to pull out as shown.	
	Oil Lubrication	20-0845 Fuel Rail, Top Feed Conversion, 26B Primary	
26B 4		Clean the 4 OEM primary fuel injector ports. Lubricate the provided injector seat O-rings and firmly push the injector seats into place, as shown.	BOILMAUTO: BOILMAUTO
26B 5	Oil Lubrication	Prepare the fuel rail by installing adapters or accessories into the open ports. 8AN ORB fittings will be required for all ports. A wide selection of adapters are available at www.radiumauto.com. Lubricate the O-rings prior to installing.	
26B	Oil Lubrication	Reference the product page at www.radiumauto.com to find appropriately sized top feed fuel injectors. Lubricate the upper O-rings on the fuel injectors. Press the fuel injectors in each port.	

		If applicable, the OEM fuel rail mounting spacers will NOT be reused.	
26B 7		applicable, the OLIVI luci rail mounting spacers will NOT be reused.	
26B 8		Press the insulating spacers into the bottom side of the fuel rail mounts. Next, place the provided insulating washers under the head of the M8x1.25mm bolts. Next, insert the M8x1.25mm bolts through the fuel rail and spacers. Push the included O-rings over each of the M8x1.25mm bolt threads.	ANUMATR STEEL
26B 9	Oil Lubrication 6mm Allen Wrench	As shown, fully seat the O-ring into the spacers' recessed area. Lubricate the lower injector O-rings. Lineup and press the fuel rail down until the injectors are fully secure in the Radium injector seats.	
26B 10	10mm Socket	Plumbing will still need to be configured and adapted to the fuel rail. Reinstall all components in reverse order. Reconnect the battery. Cycle the ignition switch a few times (without starting engine). CHECK FOR LEAKS! If no leaks are found, start the engine and check again while the engine is running. Install Complete: 20-0845 Fuel Rail, Conversion, 26B Primary	