



928 Motorsports Maintenance Series

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Installing the Adjustable Fuel Pressure Regulator

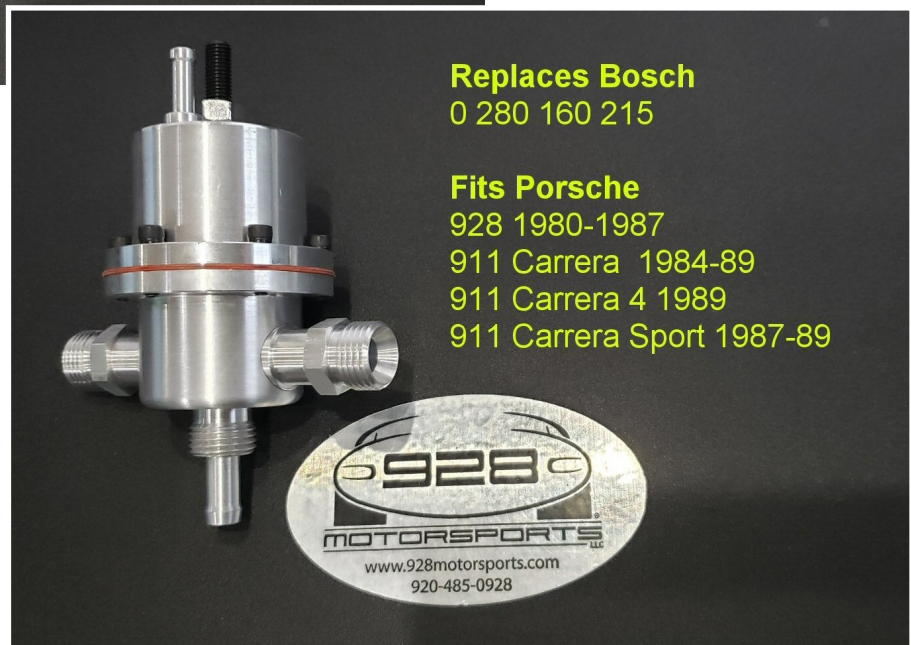


Replaces Bosch
0 280 160 297

Fits Porsche
928 1988-1995
911 Carrera 2 1990-92
911 Carrera 4 1989-92

There are two models.

Please check that you have the right one before beginning your installation.



Replaces Bosch
0 280 160 215

Fits Porsche
928 1980-1987
911 Carrera 1984-89
911 Carrera 4 1989
911 Carrera Sport 1987-89



INSTALLATION –

Step 1: Follow the directions in the Porsche manual for removal and replacement of your fuel pressure regulator. Find the recommended fuel pressure at idle for your application.

Step 2: Install a temporary fuel pressure gauge in your fuel system so you can adjust this new fuel pressure regulator. We have these fuel pressure gauges available on our website.

Step 3: Once you have completed steps 1 and 2, you must check the system for leaks. **DO NOT SKIP THIS STEP.** You can bring the fuel system up to the recommended pressure by removing the fuel pump relay and jumpering the leads or by removing the coil wire and cranking the motor. Run a finger around and under every fuel connection you disturbed. Your finger must come up dry each time. Correct any leaks and repeat the test until you have no leaks and the fuel pressure is near the factory spec.

Step 4: Now you may put back the fuel pump relay or the coil wire so the motor can run. Start the motor, and let it idle. To adjust the fuel pressure, back off the lock nut at the base of the adjustment screw and turn the screw. Clockwise will increase the fuel pressure, counter-clockwise will lower it. Watch your fuel rail pressure gauge and adjust the fuel pressure to the factory setting. Then tighten the lock nut to hold the adjustment screw in place.

Now you can remove the fuel pressure gauge that you installed to set the fuel pressure. Check the system again for any leaks as before. Drive the car, and confirm it is running well at idle, during hard acceleration, and on cruise control. If it is, you can stop here now if you like.

If you have made other performance alterations to your vehicle, you may want to see if raising the fuel pressure a little might help you get more out of those mods. We recommend turning the pressure up 2 psi and retesting idle, acceleration, and steady-state highway driving. Typically, you will note that the car will have quicker acceleration, and in many cases, a smoother idle. Cruising should be smoother, especially on a high mileage car with the original injectors. After each test drive, inspect all your fuel fittings for leaks again. You can repeat this process to nudge the pressure up another 2 psi and retest if you like.

IMPORTANT: NEVER adjust fuel pressure without having a fuel pressure gauge in the line to determine the exact pressure.

Too much fuel pressure can cause hard starting and /or surging during steady-state (highway) driving. If you have this happen or any other issue, return your fuel pressure to stock and test it again. Too much fuel pressure also increases the chances of a burst rubber fuel hose, especially if they are old. Any fuel line that is cracked or old should be replaced immediately.