2014-2024 Infiniti Q50 - Injector & Intake Manifold

2014-2024 Infiniti Q50 | Advanced | 2-3 hours | $65 DIY

TOOLS

10mm Socket Flathead Screwdriver Jack Stands Torque Wrench Ratchet Wrench Extension Bar Pry Bar Needle Nose Pliers Vacuum Hose Gasket Scraper

PARTS

Intake Manifold Gasket 14035-6N21A $30.00
Fuel Injector O-Rings 16678-6N21A $15.00
Throttle Body Gasket 16176-6N21A $20.00

STEPS

1. **Scan codes and cool the engine - Note misfire, fuel-trim, or intake-related codes. Work** only on a cold engine. Disconnect the negative battery cable. Relieve fuel pressure per the service manual before opening any fuel lines.
2. **Remove intake plumbing and electrical connectors - Remove the engine cover, air intake** tube, and any brackets blocking the manifold. Label and unplug injector connectors, MAP/MAF sensors, and vacuum/EVAP hoses. Photograph routing before disconnecting.
3. **Remove the fuel rail and injectors - Disconnect the fuel supply line with the correct** quick-connect tool and catch residual fuel. Replace all injector O-rings and rail seals - do not reuse swollen O-rings.
4. **Remove and clean the intake manifold - Unbolt the intake manifold in the specified** sequence. Lift it straight off; plug open ports immediately. Clean carbon from the ports, throttle body flange, and injector seats with intake-safe cleaner. Do not let debris fall into the cylind...
5. **Reinstall manifold, injectors, and rail - Install a new intake gasket set. Torque** manifold bolts in sequence to spec. Lubricate new injector O-rings lightly with clean engine oil, seat injectors, and torque the rail. Reconnect fuel and electrical connections until they click.
6. **Pressurize, leak-check, and verify idle - Reconnect the battery, cycle the key to** pressurize the fuel system, and inspect for leaks before starting. Start the engine, confirm smooth idle, clear codes, and road-test while watching fuel trims if a scan tool is available.

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