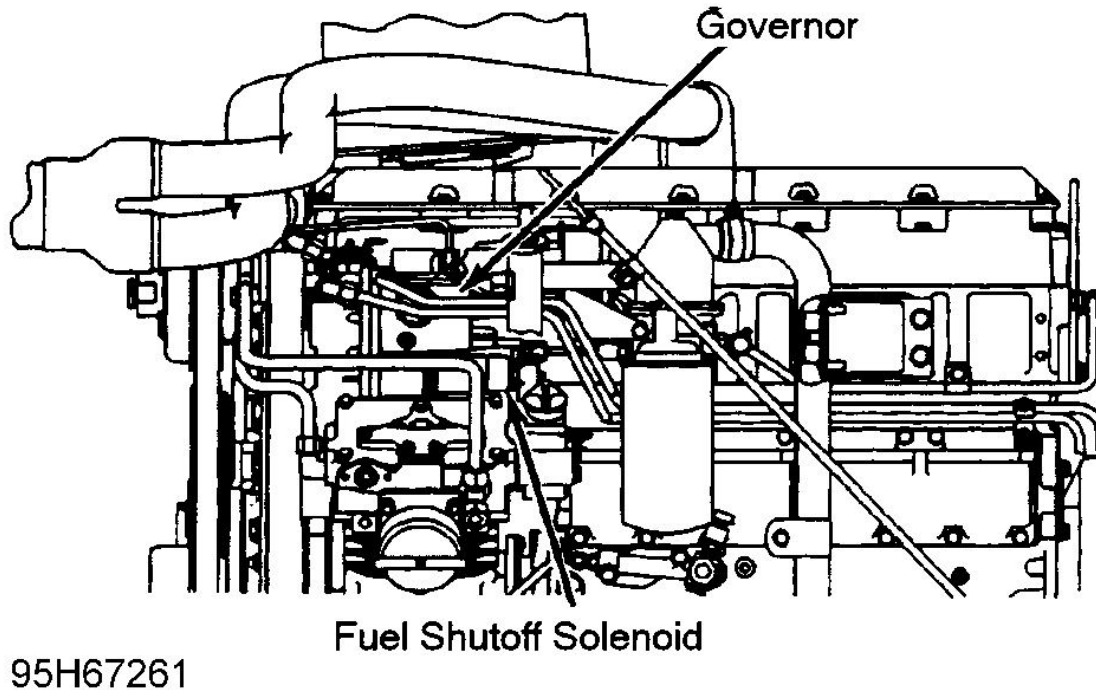


installed.

1. Turn off engine and shut off engine's electrical system. Remove fuel shutoff solenoid to allow injector rack control linkage to move freely during injector synchronization. Remove fuel shutoff solenoid using Spanner Wrench (4C4734). See [Fig. 2](#).
2. Remove valve cover from intake manifold. Remove 4 bolts and cylinder No. 1 rocker arm assembly. See [Fig. 3](#).



[Fig. 3: Removing Fuel Shutoff Solenoid](#)

NOTE: Hold rocker arm assembly level when removing from engine to prevent accidental disassembly.

3. Apply a small amount of clean engine oil to top of injector. Install Injector Spring Compressor (1U6675) to cylinder head and injector. See [Fig. 4](#). Tighten bolt on Spring Compressor (1V6675) which is threaded into cylinder head hole for rocker arm assembly. This compresses injector. Tap lightly with a soft hammer on spring compressor directly above injector to ensure free movement of injector rack bar.

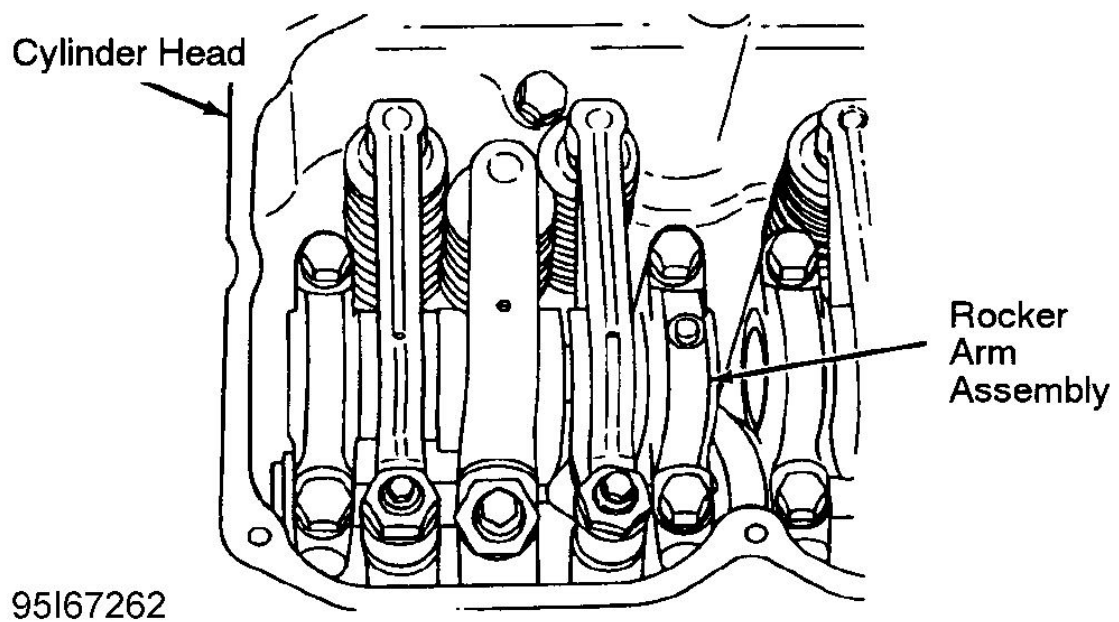
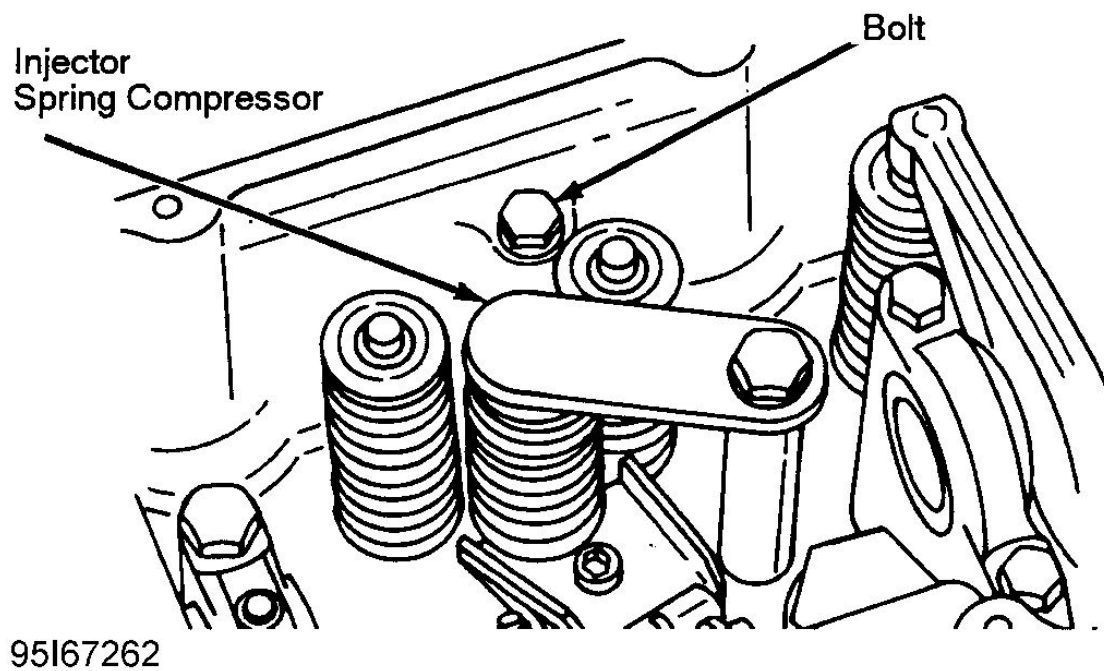


Fig. 4: Removing Cylinder No.1 Rocker Arm Assembly

WARNING: Injector spring must be slightly compressed to allow free movement of injector rack. Either rocker arm assembly or Injector Spring Compressor (1U6675) **MUST** be installed on all injectors to prevent damage to injectors.

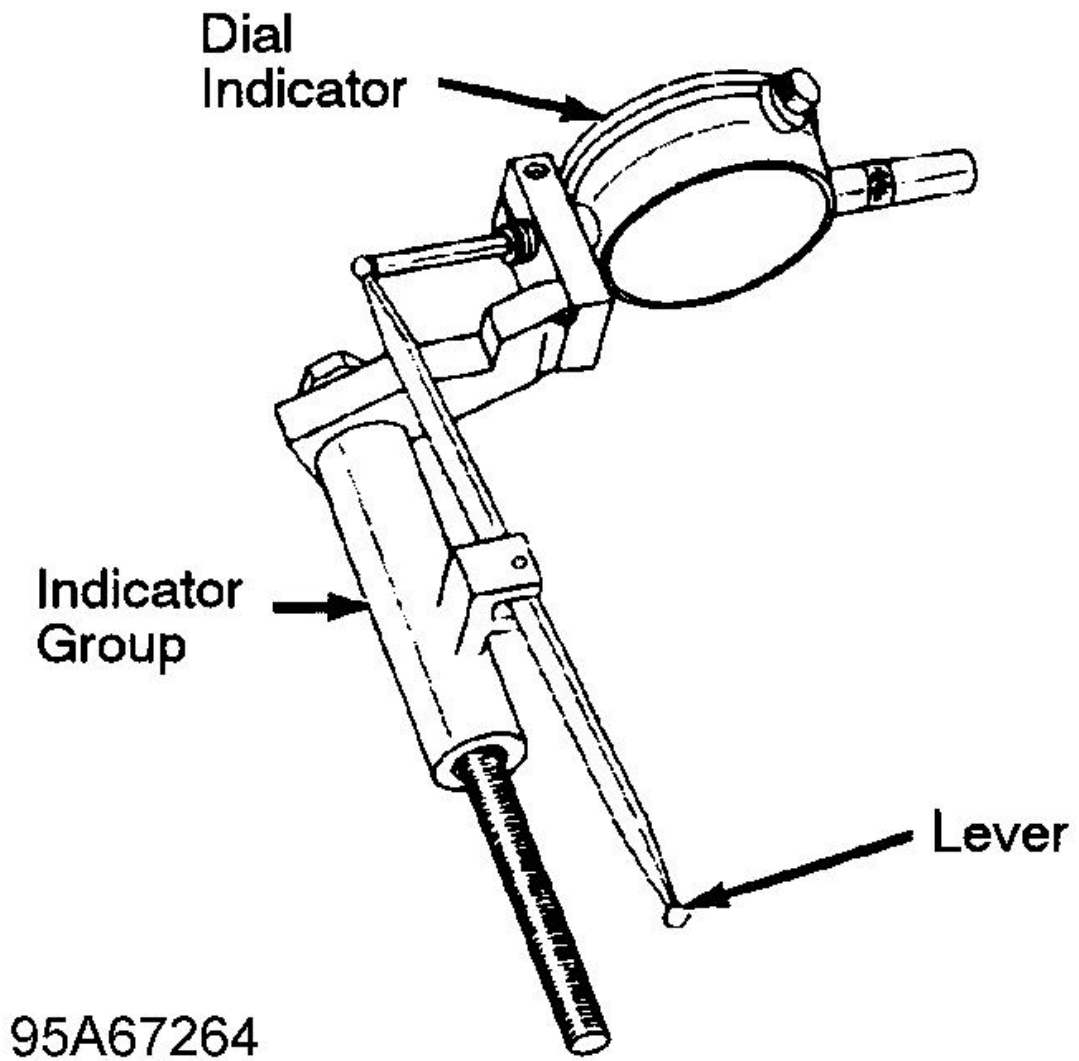
NOTE: Tap lightly with a soft hammer on spring compressor directly above injector to ensure free movement of rack bar.

4. Remove bolt nearest to injector to be checked. Install Dial Indicator (6V6106) in Indicator Group (1U6679). **DO NOT** tighten dial indicator at this time. See [Fig. 5](#).



[Fig. 5: Installing Injector Spring Compressor On Injector No. 1](#)

5. Make sure end face of rack bar is clean. Install assembled Indicator Group (1U6679) and Dial Indicator (6V6106) where bolt was removed. See [Fig. 6](#). Lever must contact end face of rack bar. See [Fig. 7](#).



[Fig. 6: Injector Synchronization Tooling](#)