



GROUP
Engine

MODEL
Multiple Models

NUMBER
PS720

DATE
April 2022



TECHNICAL OPERATIONS

SUBJECT:

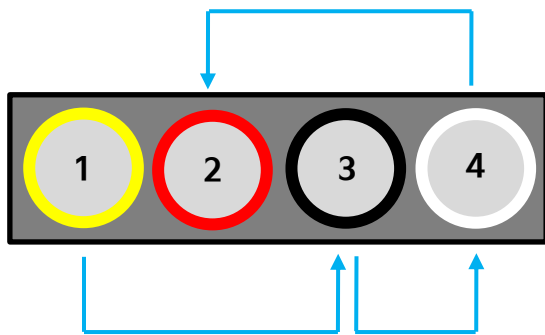
INJECTOR HARNESS ROUTING FOR PI1802Y/Z AND PI1803Y/Z ENGINE REPLACEMENTS

This bulletin provides information to address a no-start or hard start with poor running condition after engine replacement under PI1802Y/Z or PI1803Y/Z. Some replacement long blocks may come with pre-installed fuel rail, injectors, and injector wiring harness. If the condition is present, it is possible that the injector harness was not installed correctly. The connections may be swapped from cylinder No. 1 and cylinder No. 4, and from cylinder No. 2 and cylinder No. 3. Review the outlined information in this publication to inspect and correct the injector harness connections.

Note: Both 2.0L T-GDI and 2.4L engines share the same injector harness routing.

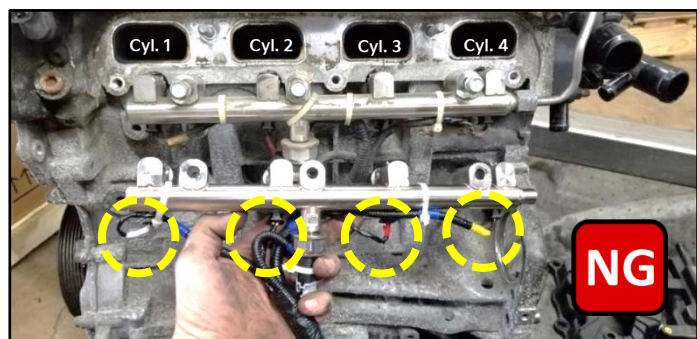
- Cylinder #1 connector harness has Yellow tape.
- Cylinder #2 connector harness has Red tape.
- Cylinder #3 connector harness has Black tape.
- Cylinder #4 connector harness has White tape.

Correct Cylinder → Injector Harness Tape
Connector Coloring Identification.



Firing Order Sequence: 1, 3, 4, 2

Sample of an incorrectly installed injector harness below. The order is backwards.



Note: The cylinder 4 connector harness (with white tape) on some high mileage engines may appear tan in color due to age and normal grime buildup.