



NEVADA ENGINE SWAP FACT SHEET

NAC 445B.400

These guidelines apply to motor vehicles with a model year of 1981 and newer.

An engine certified for heavy duty use will not be approved for use in a light duty vehicle.

A light duty pre-OB2 II vehicle is a motor vehicle which has a manufacture's gross vehicle weight rating of less than 8,500 pounds and a model year of 1981 through 1995.

A light duty OB2 II compliant vehicle is a motor vehicle which has a manufacture's gross vehicle weight rating of less than 8,500 pounds and a model year of 1996 or newer.

A heavy duty vehicle is a motor vehicle which has a manufactures gross vehicle weight rating of 8,500 pounds or more and may be OB2 II compliant depending on the manufactures gross vehicle weight rating and model year of the vehicle.

Guidelines applicable to all engine swaps for motor vehicles with a model year of 1981 and newer:

- The replacement engine must be of the same year or newer, as the model year of the vehicle.
- All required emission devices/systems must be installed and operational as applicable to the new engine configuration.
- The replacement engine must be a USEPA Certified Configuration engine for highway use. No off road engine configurations will be allowed.
- The replacement engine must meet CA or Federal standards based on USEPA certification of replacement engine.
- Verifiable documentation must be provided indicating the year and engine configuration of the replacement engine.

Guidelines applicable to all engine swaps for all light duty motor vehicles:

- 1996 and newer model year replacement engines must be OB2 II compliant, regardless of the model year of the vehicle.
 - All required OB2 II equipment (Data Link Connector (DLC), Malfunction Indicator Lamp (MIL)) and applicable monitors must be supported and capable of being commanded to incomplete (unset) and set to completion.
- Replacement engines must have been certified for on-highway use in a vehicle with a Gross Vehicle Weight Rating of less than 8,500 pounds.
- The replacement engine must be a USEPA certified OB2 II engine configuration.

Guidelines applicable to all engine swaps for heavy duty motor vehicles:

- Any replacement engine for a vehicle with a Gross Vehicle Weight Rating of 8,500 pounds or more previously certified with OB2 II must maintain an OB2 II compliant system.

Prior to conducting an engine swap, contact your local Emission Control Lab with any questions.

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The United States Environmental Protection Agencies Engine Switching Fact sheet can be accessed at:
https://www.epa.gov/sites/production/files/documents/engswitch_0.pdf