



The ZR-1 Outlook

Today *And* Tomorrow

May 18th 2019

Marc Haibeck

The Correct Oil



The Correct Oil

- It should have the original EP package. 1200 ppm or .12% phosphorus and zinc.
- Modern SN oil is not backward compatible.
- I recommend at least 1000 ppm or .1% of the EP additives.
- Amsoil has AMO and Z-Rod products.
- There are other sources. Look for keywords like Flat Lifters, High Zinc, Muscle Car
- Not available as Mobil 1.

Fuel and Storage

- I have found that modern fuel is stable in storage for two years.
- There is no need to add stabilizer for two years of storage.
- Fill the tank to the top to minimize condensation and air space.
- Parking in the rain risks water entry into the fuel tank as well as the interior.

Clutch Service Recommendations

- Don't use the Chinese clutch disk.
- The OE Valeo pressure plate is good for 100k miles.
- Don't use the Chinese throw-out bearing.
- The OE Valeo/INA throw-out bearing is good for 100k miles.
- We replace the solid hub disk with Centerforce 384100. .005" shims are required.
- For single mass flywheels, use the Centerforce 381039 sprung hub disk. .015" shims are required.
- Use a roller pilot bearing. AC-Delco CT1078. GM 14061685.
- The OE dual mass flywheel was manufactured with a .010" cup. A new Valeo disk is .320" thick.

Engine Coolant

- Continue to use the green silicate additive coolant.
- As of this date AutoZone has it in their house brand. Part number AZA003.
- NAPA has it in their house brand. Part number NAF1GAL.
- Zerex. Part number ZRX ZX001.
- There is no need to contaminate the system with yellow 'Universal' coolant.
- DexCool causes the head gasket steel core to rust and swell.

Current Exhaust System Options

- It depends on the sound that you like.
- The Corsa system has no resonance. It's loud and sharp at full throttle. +15 hp over a '90 - '92 OE system.
- The B&B Fusion. Bi-modal. + 15 hp. Quiet and has a hint of resonance with the valves closed. Has a mellow glass pack sound with the valves open.
- A '93 – '95 ZR-1 system will add + 10 hp over the '90 – '92 system and is quiet.
- Add cutouts to the '93 – '95 system to have a straight through system.

Tires

- Be prepared for the day when 17 inch rim size tires are no longer available in our tire widths.
- C6 and C7 tires in the 18 inch and 19 inch wheel sizes will be available for a long time.
- 18 inch front and 19 inch rear C6 wheel sizes will fit the ZR-1 if they have the correct offsets.
- Today only Goodyear, Nitto and Sumitomo tires are available in our sizes.

Restification

- Why restore the warts?
- Modern radio and navigation system.
- Modern tire pressure monitoring.
- QA1 adjustable shocks.

Restoration

- A few cars will only need minor repairs and cleanup to look almost new.
- Cars stored in a dry but not hot environment will need minor repairs.
 - Oil leaks, weatherstrips, radio repair, headlight repair
- Cars stored outdoors or very dirty cars may need to be disassembled to do a nice job.
- The demand for parts is an invitation to entrepreneurs.
- Donor cars
 - A car that is too far gone to restore is an always available source for rare parts.

Preservation



1937 Cord 812 Supercharged Phaeton

Preservation

- The ZR-1 is likely to be honored the same way in 2070.
 - We are playing a roll in that right now.
- A chain of curators
 - Knowledgeable, caring people will maintain authenticity. The car will pass from curator to curator.
- Future Corvette lovers and car lovers will be indebted to us.

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