

6/2020

1970 corvette

- change oil and filter with correct type classic oil filter
- remove transmission
  - Remove cover from center console, remove shifter, remove driveshaft, remove cross member
- reseal transmission
  - Install new selector shaft seals, install new front support gasket, install new side cover gasket, install new output shaft seal
- reinstall resealed transmission
  - Install shifter, shifter bracket, driveshaft, cross member, top of center console
- refill transmission with proper gear lube on 5-22-20
- install new exhaust donuts on both exhaust manifolds
- rebuild factory carburetor
  - Remove carb and all associated parts
  - Disassemble carburetor
  - Clean all passages in carburetor
  - Reinstall on intake
- install new numbers matching fuel pump
  - Remove fuel lines
  - Reseal fuel pump plate
  - Install new pump
  - Reconnect fuel lines and check for leaks
- remove left rear caliper for rebuild due to leaking brake fluid
  - Remove caliper
  - Teardown caliper and clean
  - Install new seals and pistons in caliper
  - Reinstall caliper with new brake pads
- flush brake system
  - Bleed brakes for caliper rebuild
  - Change brake fluid per customer
- change tires
  - Remove redlines and mount wide ovals on wheels
  - Speed balance tires
- replace speedometer cable
  - Replace cable due to contact with exhaust causing compromise to cover
- replace spark plugs
  - Remove shields from under manifolds to access plugs
  - Remove plugs, gap spark plugs, reinstall
  - Reinstall shields
- replace all 16 valve springs
  - Replace springs due to broken valve spring, replace all due to age of springs per customer
  - Remove smog pump , smog pump bracket and belt
  - Remove valve covers
  - Remove 16 rocker arms

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Remove all retainers and keepers

Inspect valve stem seals and install all new valve springs, verify keepers and retainers are all properly seated

Set valve lash to specs on all 16 valves and verify adjustment

Reinstall valve covers, smog pump and all related items

- check oil in rear gear set per customer, oil appears to be fresh and no need to be changed
- adjust park brake
- adjust clutch,

Setting prior to adjustment had too much tension on throwout bearing causing it to ride on the fingers of the clutch at all times

- tune engine

Let engine achieve operating temp and adjust carburetor

- repair cowl trim

Remove piece and reform tab for proper fit

- towing