



## APC LATE MODEL SERIES:

### Engine program details:

1. All APC Late Model Series engine seals must be obtained from Race/Tech Director – Darryl Timmermans - dtimmermans38@hotmail.com
2. GM 604 RED SEAL ENGINE can only be purchased from Grisdale Racing Products
3. ALL CRATE ENGINES MUST RETAIN FACTORY SPECIFICATIONS.
4. APC Late Model Series engine repair facilities must verify that engine is within ALL factory specifications & install APC Late Model Series engine seals.
5. All crate engine repairs must be approved by Race/Tech Director – Darryl Timmermans.
6. All engines sealed with APC Late Model Series engine seals will have 5 seals installed at following locations:
  - (1) Intake Manifold
  - (1) Oil Pan
  - (1) Timing Chain Cover
  - (1) Left Cylinder Head
  - (1) Right Cylinder Head

### APC LATE MODEL SERIES APPROVED ENGINE REPAIR FACILITIES:

<b>John Saunders Racing Enterprise</b> 621 Simcoe St, Watford, Ontario PH: 519 876 3821	<b>Nova Motorsports</b> 20529 Milburn St Livonia, Michigan 48152 PH: 248-767-9560	<b>McGunegill Engine Performance</b> 320 West Ontario Drive Muncie, IN PH: 765 282 1913
<b>Leitch Performance Engines</b> 4080 North Service Road, Unit 21 Windsor, Ontario PH: 519 988 0037	<b>Stefko Racing Engines</b> 11940 Highway 48 Stouffville, Ontario PH: 905 642 6289	<b>Klotz Engines</b> 330 Dundas Street South Cambridge, Ontario 519.620.4664

### APC LATE MODEL TOUR APPROVED GM/FORD ENGINE SUPPLIERS:

<b>Grisdale Racing Products – (“RED SEAL” - GM 604)</b> 400 Brock RD, Dundas, ON L9H 5E4 1-800-561-1791	<b>APC AUTO PARTS CENTRE STORES (FORD CRATE ENGINE ONLY)</b> <a href="http://www.autopartscentres.com/apc-locations/">http://www.autopartscentres.com/apc-locations/</a>
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## Engine Tech Inspection: POST-RACE

1. Engines maybe removed after racing event for further inspection at an approved engine repair facility.
2. Engines removed for further tech inspection will not be taken to engine repair facility that originally "sealed" the engine.
3. Any engine that passes post-race inspection will be "re-sealed" with APC Late Model Series seals at no cost to car driver/owner.
4. If engine fails post-race inspection: Car driver/owner is responsible for ALL outstanding invoices prior to engine being returned.

Within the guidelines of utilizing the 'Crate' engine options all competitors are subject to a zero-tolerance policy of inspection and conformability to all guidelines as specified by the manufacturer.

If in the event any team is considered in question as to the productivity of performance from a 'crate' powered engine, that engine will be susceptible to the following inspection process without protest. Failure to adhere to any action taken by APC Late Model Series officials will result in immediate disqualification & one race suspension.

At the conclusion of any race event APC Late Model Series reserves the right to require any team to remove engine in complete form and turn over possession to appropriate officials for inspection purposes to be determined by officials.

Engine will be susceptible to dyno testing and/or engine tear down for complete inspection to determine total legality to factory produced complete form.

In the event of engine rebuild the only modifications are listed below. Crate engine rebuild maximum parameters.

- Maximum overbore of .008". Maximum Deck surfacing of block: .005"
- Maximum deck surfacing of cylinder head: .010 straight only. NO angle milling permitted.
- Minimum rod and main bearing size: .010" under
- Compression Ratio: GM 604 10.0:1 Max, Ford 347Sr/Sr7 10.0:1 Max

All other necessary parts required for rebuild are to be direct factory replacement purchased through GM/FORD and are exact OEM specified part numbered to '604', '602' OR 'D347SR/7' specification sheet and installed to factory specs. **APPROVED AFTERMARKET REPLACEMENT ENGINE PARTS LIST BELOW. APPROVED Stock Crate Engine replacement parts:**

<b>GM 604 Replacement Piston:</b>  <b>Mahle Engine Parts - Part # 930127805</b>	<b>GM 604 Replacement Oil Pan:</b>  <b>Champ Oil Pan - Part # CP100LTRB Champ Oil Pick-up Tube - Part # 100SB</b>	<b>GM 604 Replacement Timing Cover</b> <b>ALLSTAR Part # 90008 or "602" stock timing cover</b>	<b>GM 602 Replacement Oil Pan:</b>  <b>Champ Oil Pan – Part # CP55LTRB Champ Oil Pick-up Tube – Part 1010SB</b>
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**ANY CRATE ENGINE THAT FAILS TECHNICAL INSPECTIONS WILL RESULT ONE YEAR SUSPENSION FOR CAR OWNER/DRIVER/CREW CHIEF!!**

### ENGINE CLAIM RULE:

**Any CRATE engine maybe claimed after any event for the cost of a new replacement stock Crate Engine. (Crate engine cost + Tax + \$750.00 sealing/admin fee. CASH ONLY). Must finish in the top 10 in order to claim an engine. (See General rule book for details)**

APC LATE MODEL TOUR

RACE/TECH DIRECTOR

DARRYL TIMMERMANS

[DTIMMERMANS38@HOTMAIL.COM](mailto:DTIMMERMANS38@HOTMAIL.COM)