

# Technical Bulletin



<b>DP02</b>	<b>TB0008-2006</b>	<b>Elan Motorsports Technologies</b>	
<b>From:</b>	Derrick Peacock		
<b>Subject:</b>	<b>IMSA Engine Upgrade</b>	<b>Date:</b>	<b>December 20<sup>th</sup>, 2006</b>

## Attention all Elan DP02 2006 teams

IMSA has published bulletin # IL 07-01 that requires all cars competing in the IMSA Lites One category to have their engines upgraded to a higher horsepower specification. This upgrade is not optional and must be done at the expense of the competitor. The cost for this upgrade is \$3000.

The upgrade charge includes:

- All labour and parts to disassemble engine, modification of cylinder heads, pistons and valves, new camshafts, shorter inlet trumpets, gaskets and seals as required.
- Dyno verification testing and sealing
- Post dyno inspection and installation in customer supplied shipping container.

Elan will be prepared to start doing the upgrades starting in mid January.

Please use the process below to insure the upgrade happens smoothly.

1. Contact Chris Smith at (706) 658-2857 to schedule an upgrade during January through March.
2. Install engine in a suitable shipping container to protect engine in shipping to and from Elan. It is the responsibility of the team to obtain a suitable shipping container to protect the engine in shipping transport.
3. Send ECU back with engine as it will need a new calibration
4. Refer to the attached return check list form to make sure parts sent to Elan are returned. The parts listed as required must be sent back. A copy of the check list will be sent with engine to verify components sent were returned.
5. Provide Elan with information regarding the shipping arrangements you have made. Remember shipping is the team responsibility.

*Notes: All cars #16 onward will already have the engine upgraded before delivery to customers*

Disclaimer: The upgraded configuration has been submitted to the SCCA for approval as a sealed configuration for CSR, but a preliminary submission has not been approved by the SCCA. It appears likely that approval could happen for February. This means anyone competing in CSR in January might want to schedule the upgrade for February.

## DP02 ENGINE UPGRADE CHECK IN AND CHECK OUT FORM

TEAM: \_\_\_\_\_ CHASSIS No: \_\_\_\_\_ ENGINE No: \_\_\_\_\_

ECU SN: \_\_\_\_\_ ECU PROGRAMMED: \_\_\_\_\_

Item	Description	Required	Comment	IN	OUT
1	RMA TAG				
2	Cam cover seal intact	x			
3	Crank sensor seal intact	x			
4	Oil Pump pulley fences	x			
5	Idler kit installed	x			
6	Idler kit returned	x			
7	Front engine mount on sump				
8	Flywheel returned				
9	Flywheel / Crank bolts				
10	Long bell housing studs (qty 2)				
11	Water outlet housing	x			
12	Water inlet housing	x			
13	Engine loom	x			
14	Throttle cable mount	x			
15	Lower Air Box	x			
16	Plate - Air box clamp	x			
17	65mm trumpets				
18	35mm trumpets				
19	Fuel Line - filter to rail				
20	Fuel line - regulator to dry brake plate				
21	Fuel filter with dry brake				
22	Foam mounting of fuel filter				
23	ECU	x			

Additional Comments:

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**Instructions:**

1. Document the return of the the engine for upgrade using the IN column.
2. Note anything abnormal in the comment section.
3. Make sure the engine goes back to the customer with all its original content by comparing IN & Out columns.