

Technical Bulletin



DP02	TB0027-2008 – Issue 02	Elan Motorsports Technologies	
From:	Brian Frankum		
Subject:	<i>Front Damper Re-valve & Spring Options</i>	Date:	May 22nd, 2008

Note: The Issue 02 changes below are written in italics.

Attention all Elan DP02 teams

DP02 front dampers may be re-valved to give a 50% increase in re-bounce damping force. The compression damping is un-changed. This re-valve is an option only and does not obsolete the original damper specification provided. See below for force/speed ratios comparing the standard front damper rebound spec to the new optional spec (with the adjustment set to full stiff):

Rebound Speed @ Damper	Previous	Revised May 14 th , 2008
2 in/second	120 lbs	220 lbs
6 in/second	210 lbs	430 lbs
10 in/second	350 lbs	610 lbs

Both standard and new option front dampers will be legal in IMSA Lites from the Lime Rock Park race onward (July 11, 2008). *Current spec front dampers have a silver seal over the reservoir end cap while dampers utilizing the new valving will have a gold seal over the reservoir end cap. The large, yellow, main body to cover seal will remain the same color as was previously used.*

The update is to be performed by Carl Haas Auto Imports and they will charge \$300.00 per damper to change to the new rebound valving spec if that service is performed at the same time as a standard damper rebuild (\$125.00). The price for re-valve only is \$375.00 per damper. Please contact Alan O'Leary at Carl Haas Auto Imports to schedule a time to return dampers for re-valving.

Alan O'leary at Carl Haas Auto Imports may be contacted via phone at 847-634-8200 or via email at haasautoao@aol.com.

Elan Motorsports also recommends that springs stiffer than 1200 lbs/in (previously the maximum allowed by IMSA Lites rules) are fitted to cars running tunnel floors. Some initial testing suggests that 1800 lbs/in for the front and 1600 lbs/in for the rear is a reasonable starting point. The full range of IMSA Lites legal springs is available for purchase from Comprent Motor Sports or Carl Haas Auto Imports. Please contact one of those vendors for price and availability.

Kevin Kloepfer at Comprent Motor Sports may be contacted via phone at 706-543-1797 or via email at kevin@comprent.net.

Brian Frankum
Design Engineer
Elan Motorsports Technologies
Desk: 706-658-2518 Ext: 388
Cell: 770-601-3872
bfrankum@elanmotorsports.com