

TRB Meeting Minutes

Date	10/8/2023
Attendance	Steven Spear / Leo Bult / Elton Wichman / Al Marsh / Stu Hewer

Agenda	Welcome to new season
	TRB definition/process
	Rear Toe Arm
	Fuel Pump
	ECU
	Gearbox

Opening	Welcome to new season
	Defined way forward this year and discussed TRB process as per the constitution. Specifically, clause 31 Technical Regulations Bureau.
	Following on from AGM the TRB need to discuss the following items for defining for submission to the committee and ultimately Schedule M: <ul style="list-style-type: none"> - Rear toe arm - Fitting of a second fuel pump - ECU (TRB to discuss and clarify way forward)

Rear Toe Arm	Approved at AGM
	Supply issue in the marketplace.
	Club built rear toe arm is three quarters complete <ul style="list-style-type: none"> - Struggling to find the ball joint at the bottom.
	Has been put out to the market to see what we can find for the threaded end.
	Alternative may be a rose pin joint.
	Leo Bult has contact Anthony Tork of Tork Engineering to assist in completing it.

Secondary Fuel Pump	Approved at AGM
	Al Marsh has had a look at one of the Pro 8 cars to get a gauge on what they do. <ul style="list-style-type: none"> - Use 2 series 1 pumps – they draw less current than the series 2 alternatives
	Al Marsh has checked with auto electrician on issues. Non apparent if connected properly.
	Elton Wichman to fit pump to Nexen car and check it and report back on any issues/requirements.
	Submit above to committee for agreement and submission into Schedule M once pump has been fitted.

ECU	Deferred to TRB post AGM
	At AGM we agreed that the ECU would be opened up and was referred to the TRB for clarification.
	Parameters agreed at the AGM <ul style="list-style-type: none"> - 1. Mazda edit only (Versa tune can't be used) - 2. 9000 rpm maximum - 3. Engine Management System shall be the factory original series 1 ECU with no additional systems.
	TRB agreed <ul style="list-style-type: none"> - ECU tuning may be performed by anyone with MazdaEdit software only. - Maximum rev limit is 9,000 rpm - It is not permitted to modify the wiring loom and or sensors that would alter the tune in any way with the exception of the removal of the O2 sensor and disconnection of the associated dash warning lights - Bluetooth, WiFi or wired units may be plugged into the OBD2 port to enable data logging to a laptop, tablet or mobile phone. - For compliance checking at any time, the Series Scutineer may: <ol style="list-style-type: none"> 1. Require a competitor to provide their RPM datalogging 2. Fit datalogging equipment to a vehicle 3. Dash footage/in car camera - Failure from competitors to comply may result in a penalty
Submit the above to the committee for agreement and submission into Schedule M.	

Gearbox Remit	Remit for Gearbox and solutions for longevity
	For many years discussion around gearbox improvements has been discussed, even going so far as to advance discussions with Australian club as to how to get a stronger box. Parts are becoming hard to come by and the need to had some longevity to the gearbox is becoming paramount.
	Leo has met with Anthony Tork and had a look at what would work to strengthen the gearbox without compromising or enhancing on track performance in any way. <ul style="list-style-type: none"> - Working on selector fork strengthening - Working on enhancing the lubrication system - Increase size of 4th gear thrust washer on cluster shaft - Replacement washer with custom made larger washer - Increase pressure to synchros
	Tork Engineering (Anthony Tork) has pulled a gearbox apart and acknowledges the modifications will provide longevity to the box for anyone that wants to proceed. Tork Engineering can put together a gearbox modification list that can be carried out in their Auckland or Christchurch facility.

	The modification is more about building in some fail safes to make the gearboxes last longer as parts are scarce and costs to rebuild are increasing.
	Submit the above to the committee for agreement and submission into Schedule M.

Summary	The above items are to be presented to the committee for acceptance or decline of entering into Schedule M as per the TRB process.
	Steven mentioned he would like one of the TRB to be present for the next committee meeting to talk through the above points. Elton Wichman agreed to this.
	Meeting closed