

NORTH ISLAND

Northland

- **Henwood Automotive, (Tony)** 89 Port Road WHANGAREI (09) 438 3669

Auckland

- **Paul Le Cren**, 15 Triangle Road, Massey 027 618 4044 (1/4 + TQ midgets)
mightymouse@ihug.co.nz
- **Dave Tennant**, TR Group, 781 Great South Road, Penrose (09) 278 4924
- **Craig Thompson**, (Mooney Bros) 107 Mountain Road, Panmure (09) 570 4666
- **Ken Tyson**, 41 Castleford Street, Greenbay, 09 817 3870,, 027 536 0055
- **Tim Plummer**, 15 Ebony Place, Massey, Auckland. 021 633 804 plunger@xtra.co.nz

Waikato

- **John Entwisle**, Hamilton Cylinder Head & Eng Services, 40 Lake Rd, Frankton, Hamilton (07) 847 8470
- **Nathan Le Fleming**, Motor Preparations Ltd 72 Otewa Road OTOROHANGA (07) 873 7319 motor.preparations@xtra.co.nz
- Danby Machine & Development Ltd, 307 Cochrane Street THAMES (07) 868 8284
Rex Danby danbymachine@xtra.net.nz CC test .5Hr \$40
- **Jim Carlyle**, Cambridge Engine Services, 5 Lake St, CAMBRIDGE. (07) 827 4055.
cesco@vodafone.co.nz

Bay of Plenty

- **Flowtech Race Engines (Trevor)** 97 Taniwha Place Bethlehem TAURANGA (07) 576 8168
- **Ashley Reid**, 9 Sylvania Drive, Matua, TAURANGA, 027 442 4442
- **Stephen Smyth**, 936 No 3 Road, RD3, TE PUKE, 027 432 6696
- **Terry O'Connor**, 17 Upland Road, ROTORUA (07) 348 7805
- **Pat Westbury**, C/- Titan Plant, Miro Street, TAUPO (07) 378 8204
- **Grant MacGregor**, Engine Rebuilders, 277 Palmerston Road, GISBORNE (06) 8679416 (027) 445 2551 grantmacgregor@xtra.co.nz

Hawkes Bay

- **Roger Young**, 12 Hammond Road Taradale, Napier (06) 844 2737
factory@senatorboats.com
- **Andy McCabe**, 49 Dundee Drive Flaxmere, Napier (06) 879 9614
- **Aaron Iremonger**, Iron force Racecars, 22 Takapau Road, Waipukurau, 027 550 5269
sales@ironforce.co.nz mrs.ltd@xtra.co.nz
- **Dave Hatton**, 7 Scott Drive, Flaxmere, HASTINGS 4120 (027) 226 9364
hattonracing@hotmail.com

Taranaki

- **Chris Insley**, Engine Rebuilders, 66a Molesworth Street, New Plymouth (06) 758 5263
- **Jeff Dobson**, Pirtek Taranaki, 2 Parakau Road, New Plymouth (027) 449 6489
jeff@pirtektaranaki.com
- **Craig Bennett**, Hawera Automotive 84 Union Street, Hawera (06) 278 5025

Wanganui

- **Russell Hausman**, , 24 Raine Street, Wanganui, (027) 457 6690

Manawatu

- **Jim Barr** C/- 36 Princess Street, Palmerston North (06) 358 8838
- **Edward Bamber**, 19 Robbie Street, Foxton (06) 363 7823 sevenup19@xtra.co.nz
- **Gerard Davis**, Motor Machinists (2015) Ltd, 46 Taonui St, Palmerston North, (06) 356 4832 service@motormachinists.co.nz
- **Graham Miller & Michael Wright**, B & H Engine Services, 298 Broadway Ave, Palmerston North Ph (06) 357 1182
- **Bryan Hartley**, The Head Shop, 26 Domain Street, Palmerston North (027) 444 3213
- **Ken Meehan**, 749a Kimbolton Road, RD 7, FIELDING (06) 323 1148
- **Martin Halcrow**, Halcrow Engineering, 177 Tane Rd, Opiki 4474, 021 241 0770.
- **Angus McLeod**, Garage 9 Ltd, 120 Heatherlea West Road, RD 5, Levin 5575,
sales@garage9.co.nz, 027 246 8342

Wellington

- **Kerry Lindsay**, Kerry Lindsay Engine Reconditioning, 12 Regent Street, Petone (04) 568 5803, kerry.lindsay@vodafone.co.nz
- **Marc Mulholland**, Llama Engineering, 8 Hautonga Street, Seaview, Lower Hutt. PH. (04) 650 3772 Mobile: 027 432 1722, m.g.mulholland@gmail.com
- **Craig Lamberth**, 53 Cleat Street, Whitby, Porirua, 021 735 723, craig.lamberth@gmail.com

SOUTH ISLAND

Marlborough

- **Graham Morrison**, Midwest Motors, 273 Dillons Point Road, BLENHEIM (03) 578 5739
- **Tony Phyn**, Entec, 7 Kotua Place, Stoke, NELSON 7011

Canterbury

- **Glen Durie** Engine Reconditioners, PO Box 19538, Woolston, Christchurch (03) 384 1509
Glen.allson@orcon.net.nz
- **Gavin Hill**, HPE Automotive Services, 29 Battersea Street, Sydenham, Christchurch (03) 379 4166
- **Rick Lang**, Greymouth Engines, 16 Newcastle Street, Cobden, Greymouth. 027 636 1989
rickandsue@kinect.co.nz
- **Gary Harding**, 286 Travis Road, North New Brighton, Christchurch 8083 (027) 388 6363
ghard37@gmail.com
- **Dave Rosewarne** Cylinder Head Specialists, 237 Waltham Road, Christchurch, 03 366 1729 heads@heads.co.nz

Otago

- **John Gamble**, 144 Riselaw Road, Calton Hill, DUNEDIN (027) 752 7764
john.annmarie@vodafone.co.nz
- **Mike Lynn**, The Turbo Shop, 593 Princess Street, DUNEDIN (03) 477 3148
turboshop@xtra.co.nz
- **Mike Verdoner**, MV Motors, 13 Frances St, BALCLUTHA, Ph (03) 418 4151
mvmotors@xtra.co.nz
- **Graeme Eaton**, E&S Head Systems, 46 Stafford Street, Dunedin, (03) 477 5410
head.systems@clear.net.nz

Engine sealers can carry out two distinct measuring procedures:

For classes requiring measuring to confirm the engine capacity (cc rating)

The engine must be presented with the Cylinder head off, Sump on and drilled ready for sealing. The vehicles log book must accompany the engine so the data can be recorded by the approved sealer.

The Bore and Stroke is measured and by using the calculation in the rule book E3-3-2 the cubic capacity can be calculated. If the engine is compliant then two blue engine seals can be attached to the sump. The measurer then enters the calculated data in the vehicles log book along with the two seal ID numbers. (Note there is no Engine certificate docket book anymore so the data must be recorded in the log book.)

Compression Ratio

Competitors can request a compression ratio check at same time the measuring for capacity is taking place. A Tech Steward needs to be present for this check. Once the Cubic Capacity is determined you will have the Swept Volume of one cylinder.

The unswept volume of the Cylinder head, head Gasket and piston dish needs to be calculated using suitable oil and a cc burette to calculate volume. This data is then entered into approved Columbus method software package where the compression ratio can be calculated.

In the presence of the Tech Steward the head will then be assembled and then he will then seal the head with his approved red coloured seals. Seal numbers and compression ratio measurements will then be entered in to the vehicles log book.

Note: not all approved sealers above can carry out Compression Ratio measuring. You need to ask first and also arrange for a Tech Steward to be present.