Figure A18 Setting Individual Spring Seated Heights

ring Tester 'Plus' v1.1C Performance Trends [Typical Valve Sprin   gTesterManual-C-1-Supplement.doc - Microsoft Word

heck(F4)   Graph   Report   Test Options   Settings   Help   Record(F5)   Reg To: Gr

Preferences

| Printing / Graphing | File Options |
| General Operation | Operations, cont |

Slow Down Data Readings — Yes, some

Warn About Slowing Down Readings — Yes

Com (serial) Port Baud Rate — 9600

Typical Spring Size — Large, automotive

Units — English (lbs, in, lb/in, etc.)

Metric Force Units — Newtons nt

Include Damping in Reports — No

Auto Tester has High Force Option — No

Use Linear Adjustment Factor — No

Allow Individual Seated Heights — Yes,

Ask about errors when they happen — No

7 %

OK

Cancel

Restart Showing Help Tips

Turn Off Help Tips

Help

New options now visible in Test Options screen. Check 'Use Individual Seatd Hts" to enable the "Set" button.

Set this to Yes, then click OK in upper right.

Test Setup Specs [Valve Spring Example]

Back (ok)   File   Refresh Spring Calculations   Help   Individual Se

Test Setup

Test Type — Smooth data w bind   **Info on Test Type**

Step Increment — .050''

Open Height — Calc from Tappet Lift

Intake Matches Exhaust — No

☑ Use Individual Seated Hts   [Set]

| | Set Individual Seated Heights |
| | Info on Individual Seated Heights |

Retainer Thickness, i

Seated Height, in. — 1.74 | 1.74

Open Height, in. — 1.204 | 1.197

ax Lobe Lift, in — .376 | .382

ctual Valve Lash, in — .028 | .03

ocker Arm Ratio — 1.5 | 1.5

4 | .573

Click "Set" button for these options.

Spring Nur

Number of

Number of

Number of

Starting #

Step Size

Type

Rate

None

None

Customer

Customer

Comments.

Example of

Screen to Set Individual Seated Heights

Click one of the "See All…" buttons to set the height of several springs to the same number. Heights not set typically default to Seated Height set in Test Options screen.

Individual Seated Hts

Set All Intake Heights
Set All Exhaust Heights

Individual Seated Hts

Spring — E 1 St Ht = 1.74

Seated He
I 1 St Ht = 1.748
E 1 St Ht = 1.74
I 2 St Ht = 1.74
E 2 St Ht = 1.74
I 3 St Ht = 1.74
E 3 St Ht = 1.74
I 4 St Ht = 1.74
E 4 St Ht = 1.74

Notes:
Choose the
Height', then
on the 'Keep
the list of Sp
Height' assigned to that Spring. Click on one of the 'Set all' buttons at the top to set heights for several springs at once.

Keep Heights **Help** **Cancel** **Print**

Choose a particular spring from this list.

Individual Seated Hts

Set All Intake Heights
Set All Exhaust Heights

Individual Seated Hts

Spring — E 1 St Ht = 1.74

Seated Height, in — 1.753   **Keep**

Notes:
Choose the 'Spring' for setting each 'Seated Height', then enter the 'Seated Height', then click on the 'Keep' button. Then when you click on the list of Springs, you should see that 'Seated Height' assigned to that Spring. Click on one of the 'Set all' buttons at the top to set heights for several springs at once.

Keep Heights **Help** **Cancel** **Print**

Enter the Seated Height for this spring, then click the Keep button.

Individual Seated Hts

Set All Intake Heights
Set All Exhaust Heights

Individual Seated Hts

Spring — E 1 St Ht = 1.753

Seated He
I 1 St Ht = 1.748
E 1 St Ht = 1.753
I 2 St Ht = 1.74
E 2 St Ht = 1.74
I 3 St Ht = 1.74
E 3 St Ht = 1.74
I 4 St Ht = 1.74
E 4 St Ht = 1.74

Notes:
Choose the
Height', then
on the 'Keep
the list of Sp
Height' assigned to that Spring. Click on one of the 'Set all' buttons at the top to set heights for several springs at once.

Keep Heights **Help** **Cancel** **Print**

Now you will see the Height you set assigned to that spring in the list.