

Turbosmart recommends the ideal setup for achieving your target boost pressure is to use the wastegate actuator in conjunction with a Turbosmart e-Boost controller.

IMPORTANT NOTES ON SETTING THE WASTEGATE ACTUATOR SPRING PRESSURE

A stiffer spring should only be used when necessary. The wastegate actuator allows for different combinations of spring pressures. All springs that are adaptable with the wastegate actuator are shown in the table below. The tuner can use combinations of up to 3 springs to achieve the following base boost pressures. To aid in the identification of these springs they are supplied colour coded. If this colour coding is not clear please use the dimensions in the following table to identify the spring. Please see the following detailed instructions on setting your wastegate actuator spring pressure. The springs chosen should be rated to the lowest boost level desired.

Pressure rating	3 PSI Inner	5 PSI Inner	7 PSI Middle	11 PSI Middle	10 PSI Outer	7 PSI Outer
Part number	TS-0505-2001	TS-0505-2002	TS-0505-2003	TS-0505-2004	TS-0505-2005	TS-0505-2006
Colour	BRN/BLK	BRN/GRY	BRN/PUR	BRN/RED	BRN/BLU	BRN/PNK
Dimensions	29mm OD, 32mm Length	29mm OD, 36mm Length	36.5 OD, 43mm Length	36.5 OD, 52mm Length	44mm OD, 68mm Length	44mm OD, 57mm Length
	Desired Boost Pressure					
PSI	BAR	KPa				
3	0.207	20.68	▲			
5	0.345	34.47		▲		
7	0.483	48.26			▲	
10	0.69	68.95				▲
11	0.76	75.84			▲	
12	0.827	82.74		▲	▲	
13	0.89	89.6	▲			▲
14	0.965	96.53		▲		▲
15	1.03	103.4		▲		▲
16	1.1	110		▲	▲	
17	1.172	117.2		▲		▲
19	1.31	131		▲	▲	▲
20	1.38	138	▲		▲	
21	1.45	145		▲	▲	
22	1.517	151.7		▲	▲	▲
23	1.59	159		▲		▲
24	1.655	165.5	▲		▲	▲
26	1.793	179.3		▲	▲	

Changing the springs

WARNING! Fitting a heavier wastegate actuator spring may cause a higher than expected increase in boost pressure.

Turbosmart recommends adjusting your boost controller back to its minimum setting and measuring the new minimum boost pressure achieved by the new spring, before increasing your boost pressure again

