



## Collins Performance Actuator Install

It's a relatively simple job to install a CP actuator onto a car and set it to the correct preload.

1. Remove the original actuator and install the CP actuator onto the Turbo
2. Ensure that the actuator lock nut is backed off far enough to allow the wastegate arm to fully close
3. Loosely install the 2<sup>nd</sup> locking nut on the actuator
4. Attach a regulated air supply to the actuator air feed port (it's possible to use a Midivac or simple air plump with a gauge attached)
5. Apply air pressure to the Actuator air inlet port and watch the actuator rod. Using the two locking nuts adjust the actuator so that the actuator rod just starts to move at the specified 'Start to open' pressure
6. You will need to 'cycle' this operation of air pressure applied, air pressure removed, several times to ensure that the rod preload is correct
7. Once you are satisfied that the preload is correct then tighten both lock nuts and apply some thread lock to the nuts to ensure that they don't come undone
8. NOTE: Do not attempt to increase the preload over the specified pressure setting for your vehicle/software application as this might cause boost control problems/running issues and could even cause damage to your engine
9. We recommend that the actuator is checked & tested after its initial 12-month install period as the spring 'settles' in and might need re adjusting to get it back up to its correct start to open setting.

Car Type	Std setting	CP Actuator
Fiesta MK7 1.0	12psi full open (vac)	
Fiesta MK7 ST180	5 psi	CP2-E 8-8.5 psi
		CP4/5 9-9.5 psi
Ford Focus MK2 ST225	4.5 psi	4.5 psi
Ford Focus MK2 RS	7 psi	7 psi
Fiesta ST MK8	Vacuum	Vacuum
Focus MK3 ST250	4.5 psi	
Focus MK3 RS	9.5 psi	CP3 19.5 psi