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Volvo 240 front coilover kit

Required Items:

1. DVS front coilover kit. Includes 2.5" standard coilover springs of your choice.
2. Strut inserts. BYO or Koni, Bilstein & Sachs available from DVS. Supplied with 14mm x 100mm HT bolt, Nyloc nut and Zinc Plated washers.

Important notes:

Assembly notes -

1. Always use Loctite or similar thread sealant when fastening the strut insert top nut into the strut tube.
2. The upper spring hat is a loose fitment on the upper shock absorber shaft section (stepped) and acts as a guide for spring travel.

Assembly instructions –

1. Fit the strut assembly to the coilover tube
2. Adjust the lower spring perch down the threaded sleeve.
 - 3a. *If using a helper spring –*
Fit the helper spring and the spring separator perch.
 - 3b. Fit the (main) spring.
4. Fit the upper spring hat and securing pin.
 - 5a. *If using adjustable camber plates –*
Fit adjustable camber plate and strut nut. Camber plate will mate against the upper spring hat.
 - 5b. *If using standard Volvo strut mounts –*
Fit strut mount and strut nut. The Strut mount is no longer used to keep the spring located and the strut mount will mate firmly against the upper spring hat.
6. Once fitted into the vehicle and a ride height is set, the grub screw in the lower perch needs to be tightened.



Usage precautions and very low ride heights –

- It is strongly recommended that a ride height is set which ensures the spring to remain captive at full suspension droop.
- Geometry correction should be considered with ride heights of more than 40mm lower than standard ride height.
- If the desired ride height results in springs not being captive at full droop, this can lead to damage to the upper spring hat. Helper springs can be used to ensure the main spring remains captive.
- If using 10" long free length springs of rates greater than 375lbs, it is strongly recommended that helper springs are used.

Application notes:

Recommended spring rates –

The table below is a recommendation guide only and assumes that spring rates are matched to an appropriate set of shock absorbers.

Application	Spring Rate (lbs)
Road	200
Performance Road	225 - 300
Light track use / Tarmac rally	300 - 400
Track	375 - 475

Shock absorbers –

The table below is a recommendation guide only based on shock absorbers available from DVS.

Application	Shock absorber
Road	Sachs or Bilstein B4
Performance Road	Bilstein B4 or Bilstein B6
Light track use / Tarmac rally	Bilstein B6, Bilstein B8, Koni Sport
Track	Bilstein B8, Koni Sport