

AWESOMATIX P09X MANUAL / SETUP



Introduction.

- . P09X optional shock screw holders add the two-stage action possibility into Awesomatix car suspension.
- . With P09X the suspension can be softer on the initial stage of up travel compare to the stiffness on the final stage of up travel. We will use the term “progression” for such two-stage action of suspension.
- . The switch point of the stiffness is designated as **PSS Ride Height** in the setup sheet.
- . The additional (third) screw for adjusting of the **PSS Ride Height** is designated as **PSS screw**.
- . P09X part has two additional holes for **PSS screw** and offers two possible orientations that provides two levels of “progression”:



A: Bigger hole for M3X3 set screw which are included in P09X Set is shifted on 3,0mm distance from the regular hole for RHS screw. Using of this bigger hole with M3X3 set screw as the **PSS screw** provides a bit reduced level of “progression”.

B: Smaller hole for M2 screw is shifted on 3,7mm distance from the regular hole for RHS screw. Using of smaller hole with our RHS-P or our SC2X8 screw as the **PSS screw** provides a bit increased level of “progression”.



Assembling.

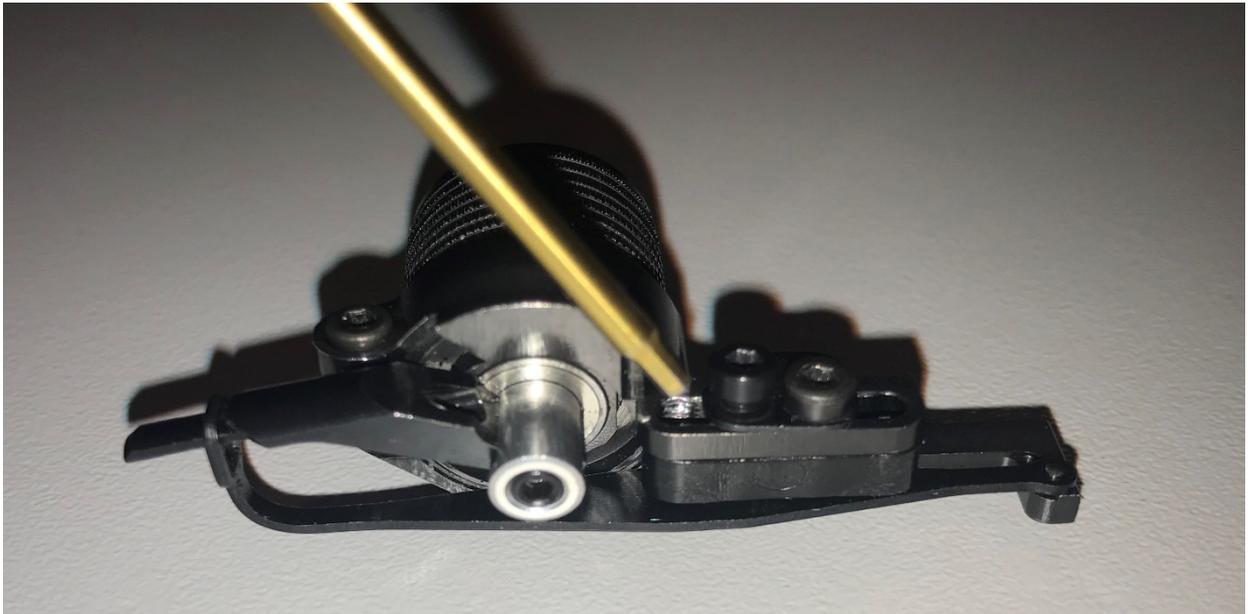
As initial we recommend the orientation **A** – using of M3X3 set screw in the bigger hole of P09X as the **PSS screw**.

1. Screw M3X3 set screw into P09X fully as on the picture. **Note the mutual orientation of P09X and the screw head!**

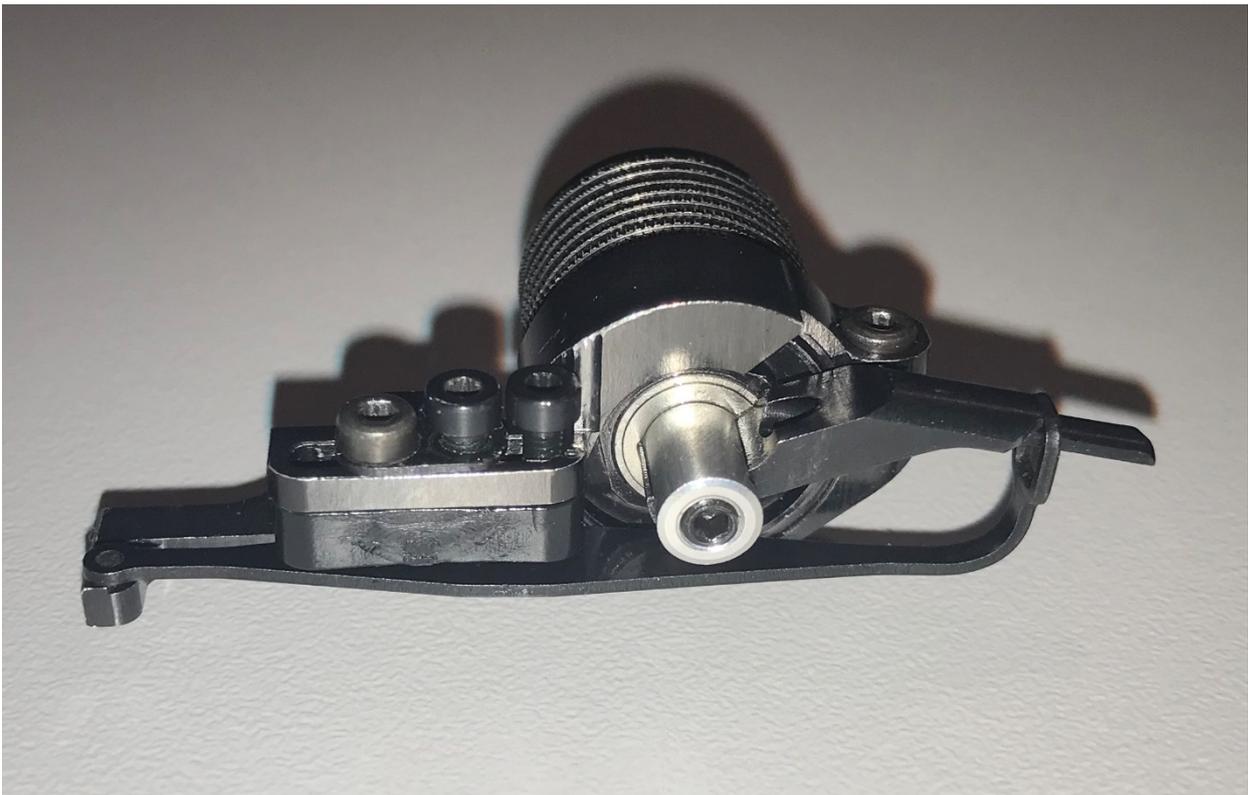


2. Install P09X by using RHS, SRS screws and SPR03 Shock Pointer according to the A800X Instruction Manual. The **PSS screw** should be located near to the dampers axle.

3. Install SPR01S/SPR01 spring according to the A800X Instruction Manual.



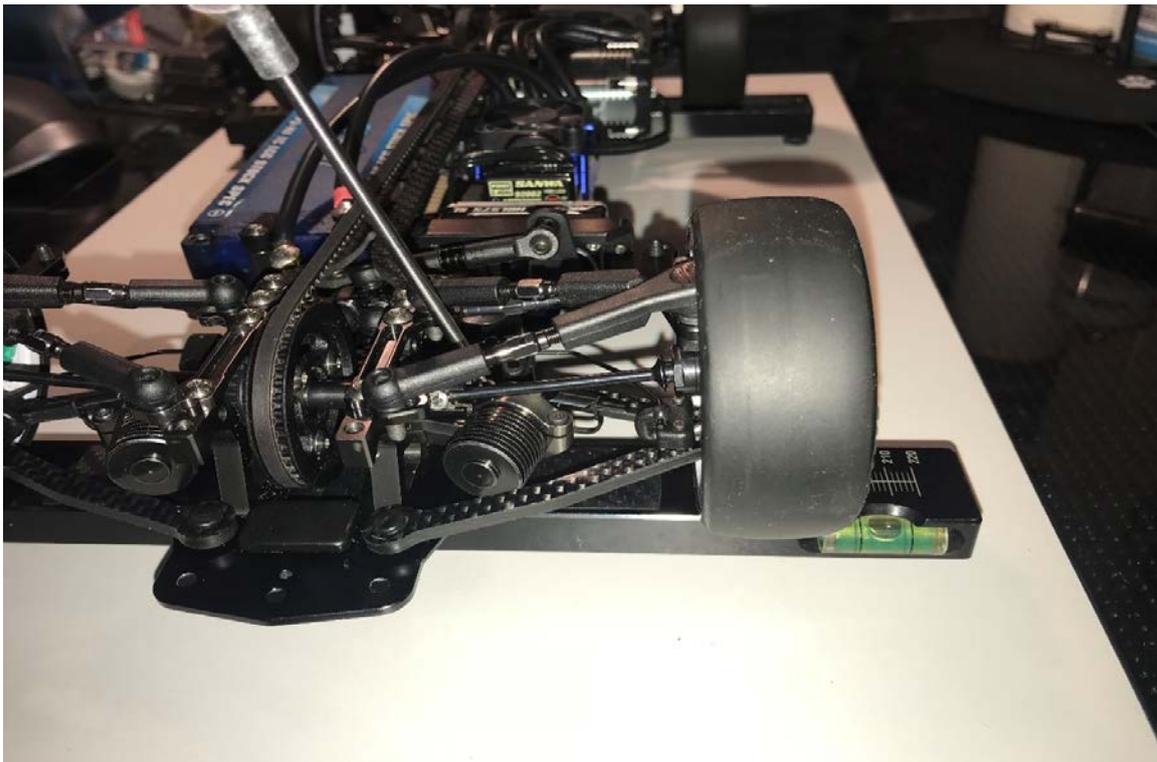
4. Install damper units on your AWESOMATIX Car.
5. For layout **B** reorient P09X by smaller hole towards the damper's axis and screw SC2X8 or RHS-P (recommended for more precision action) M2 screw in smaller additional hole of P09X.



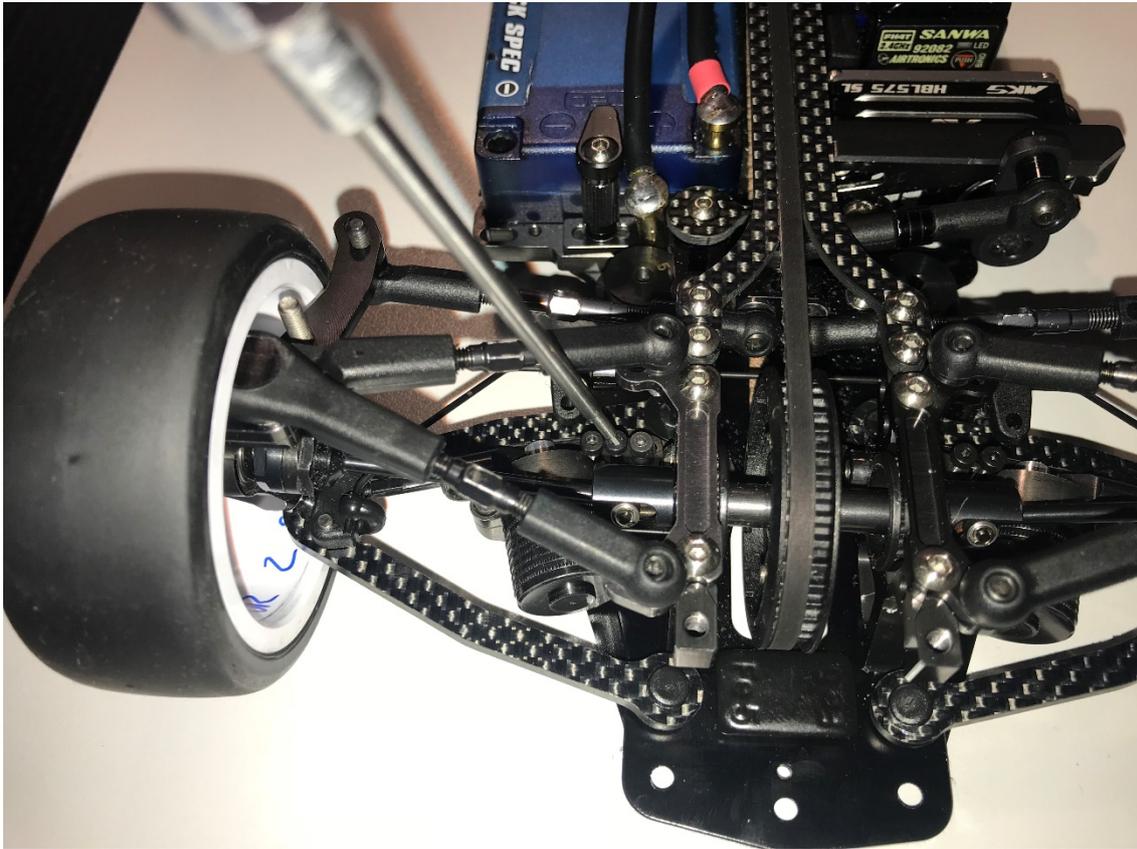


Adjusting of the PSS screws (PSS Ride Height).

1. **Important!** We recommend to try PSS settings on the front suspension of the car first.
2. The using of the PSS settings on the rear suspension was still justified only for the narrow range of track conditions.
3. Put car Race Ready on a Flat Board. Turnout RHS screw until it doesn't have any contact to the spring anymore.
4. Turn in **PSS Screw** equally on left and right site to setup a Ride Height from 4.0mm – 5.0mm. This height is the **PSS Ride Height** which is responsible for the point of progression start at suspension up travel. As starting point we recommend an **PSS Ride height** from 4.0mm.



5. To set preload equally we recommend using a common Tweak-Station with a 10mm block at the solid side.



6. Turn in the RHS equally left and right to setup your **Race Ride Height** that is 5.2-5.6mm usually. Use the Tweak Station to set preload correct.

