



VRP PITSTOP TOOL ©

Note: Damage to the tool can occur if the instructions are not read and followed.

This VRP PITSTOP TOOL is used to accurately do the following operations

- It installs and removes tires, axels, crown and pinion and gears for all Ho cars. See pictures in the instructions below.
- It installs axels sizes ranging from .058"-.063.5".
- It accomplishes this without damaging the insides of the hubs.
Incorrectly installed axels cause the tires to warble when they run. Two additional components are included, a white alignment disk (with a slide-able center shaft), and a white ball. Both are stored in the tool.
- See the illustrations below to acquaint yourself with the procedures.



Fig A.

Tire Removal

- 1- Place wheel into slot and press trigger as shown below
- 2- Line up the plunger onto the center of the axel.
- 3- Press the trigger to remove the wheel
- 4- Press release lever to retract the plunger.

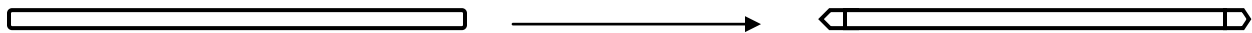
Fig. B



Fig B.

Installing the wheels

Note: For best results slightly taper the ends of the axel prior to installing the wheel. It does not have to be a sharp point. See example:



1- Place white Alignment disk into far end of tool as shown.

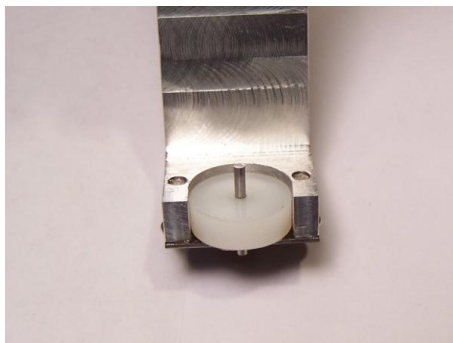


Fig 1.

2- Place first tire onto the disk.

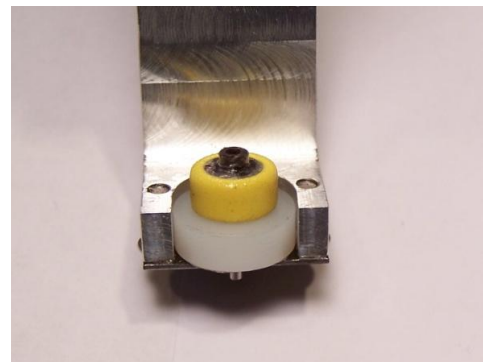


Fig 2.

Installation Page 2

- 3 Place the ball onto the plunger with the larger beveled hole facing the axel. Slightly place the axel into the Hub. Check that the white alignment tool is properly seated into the slot. Slowly move the plunger and ball over the axel and squeeze the trigger to install the axel into the wheel as desired. Fig 3
- 4 Press the release button to retract the plunger and ball. See Fig. 4

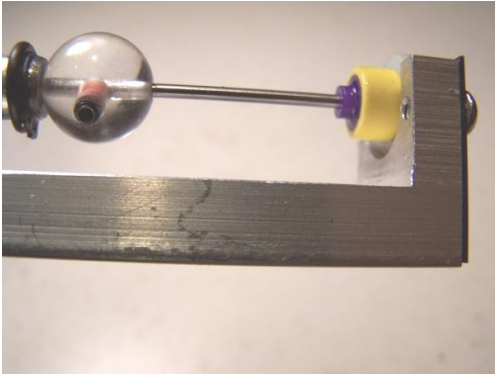


Fig 3

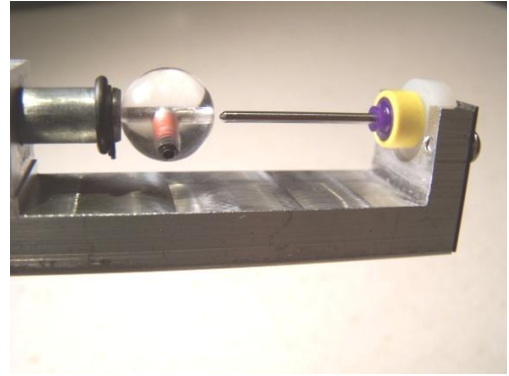


Fig 4

- 5 Install the axel and wheel through the crown gear and into the chassis of the car. Use the tool to adjust how far the axel is pushed into the hub. See Fig 5.
- 6 Place car into fixture and install the 2nd wheel onto the axel as shown using the ball to center the tire for perfect alignment. See Fig 6.

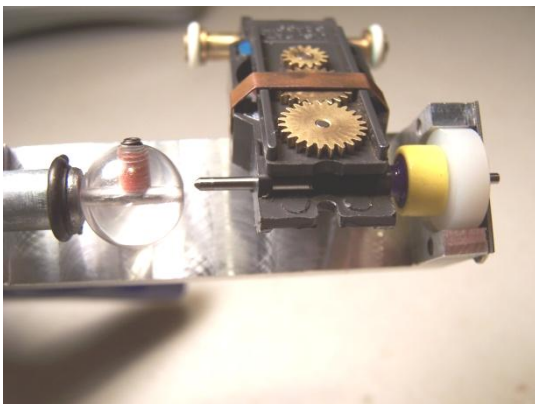


Fig 5.

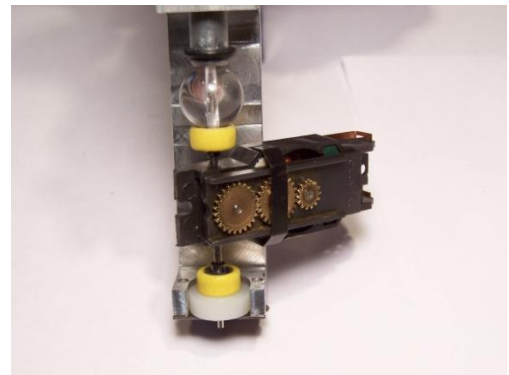


Fig 6.

- 7 Use the tool to re-adjust tire width after installation to the proper specifications.
- 8 Use a similar installation procedure for the inline car tires and axels.

Installing the Crown gears into a T-Jet Chassis

- 1- Remove the Disk and Ball from the storage area.
- 2- Place the disk into the Pit-Stop Tool as shown

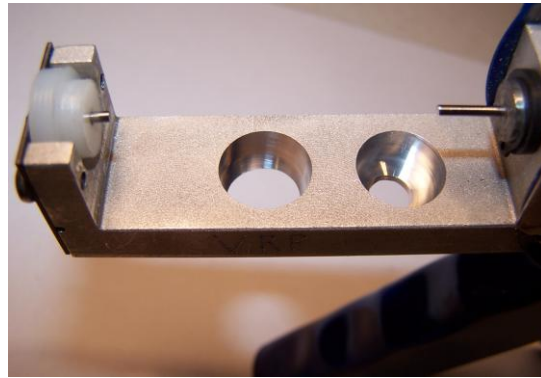


Fig 7

- 2- Place the crown gear in place and Insert the axel Partially through the gear.
- 3- Install the ball onto the plunger as shown.
- 4- Push the shaft in the disk through the other side of the crown gear. Do not force axel into the ball.

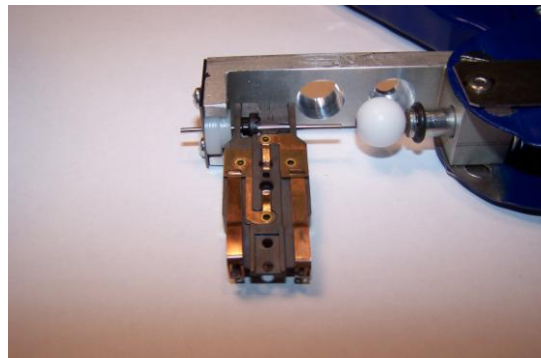


Fig 8

- 5- Squeeze the trigger so that the hole in the ball slides over the axel and pushes it through the side of the chassis.
- 6- See fig 5 and Fig. 6 to install the tires

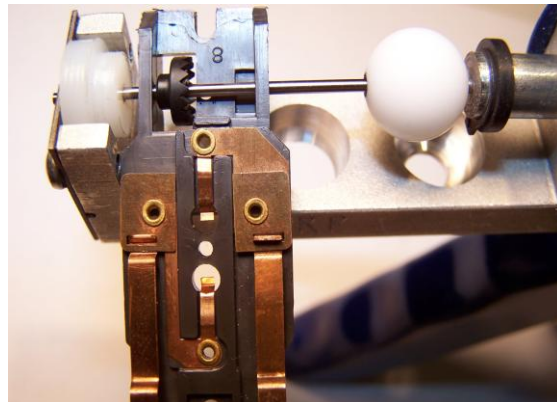


Fig 9

Removing a Pinion gear from inline Motors

- 1- Place armature and gear as shown. Fig 10
- 2- Squeeze the trigger to remove gear

- 1- Return the Disk and the Ball to the storage area and squeeze the trigger to cover both items.

