

INSTRUCTIONS FOR TIE ROD STABILIZER SET

PASSENGER CAR, SUV, AND LIGHT TRUCK APPLICATIONS

This tool set is designed to center tie rod ends in their sockets when setting toe-in.

This will help in obtaining a straight steering wheel, insuring proper steering performance and maximum component life.

Note: For best results use stabilizers in pairs.

- 1) Perform alignment up to the point of setting toe on front wheels.
- 2) Using your normal procedure or special toe setting procedure recommended by alignment equipment manufacturer, begin by breaking adjusting sleeves loose from tie rod assemblies and work adjuster sleeves loose.

Note: Steps 3 through 12 are detailed for aligners with electronic toe adjustment programs.

For aligners with more basic functions, refer to steps 13 through 22.

Figure No. 1

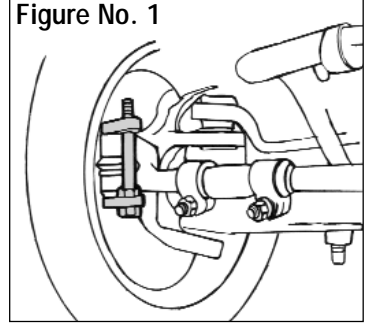
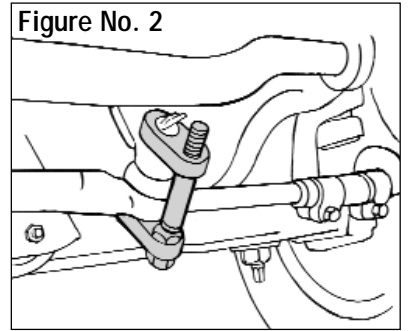


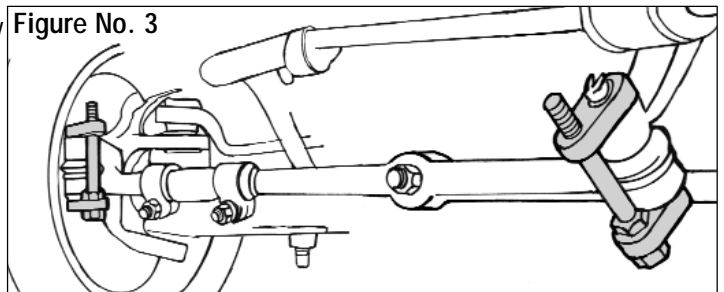
Figure No. 2



FOR ELECTRONIC TOE ADJUSTMENT PROGRAMS

- 3) Start engine, rock steering wheel a few times, center wheel, shut off engine. It is NOT necessary to use a steering wheel holder.
- 4) Level and lock front sensors.
- 5) Proceed to next step of toe setting program. Note which tie rod assembly is shown on screen to be adjusted first.
- 6) Place stabilizer(s) on tie rod end(s) of assembly. Tighten until plane of top of tie rod matches plane of corresponding part. The tool needs to be tightened, but not torqued. (See Figures No. 1, 2 and 3).
- 7) Adjust tie rod sleeve until reading on screen is exact. Jounce vehicle, tighten adjusting sleeve clamps or jam nuts, verify proper reading.
- 8) Proceed to next step of program, noting tie rod assembly indicated.
- 9) Repeat steps 6 and 7 on this assembly.
- 10) Start engine, relevel steering wheel. Verify proper individual and total toe readings.
- 11) Remove stabilizers from tie rods.
- 12) Road test vehicle.

Figure No. 3



BASIC TOE PROGRAM

- 13) Start engine, rock steering wheel a few times, center wheel, install steering wheel holder, shut off engine. Level and lock front sensors.
- 14) Program alignment machine to display individual toe and total toe readings.
- 15) Place stabilizer(s) on tie rod end(s) of LONGER assembly, or tie rod for RIGHT wheel. For Ford pickups with twin I-beam suspension, this would be the pitman arm and right outer tie rod end. (See Figures No. 1, 2, and 3).
- 16) Adjust this tie rod assembly to desired reading.
- 17) Repeat step 13. Recheck right toe reading, fine-tune if necessary. Tighten adjusting sleeve clamps or jam nuts.
- 18) Transfer stabilizer(s) to tie rod end(s) of SHORTER assembly, or tie rod for LEFT wheel.
- 19) Adjust this tie rod assembly until TOTAL TOE is at desired reading.
- 20) Tighten adjusting sleeve clamps or jam nuts.
- 21) Remove stabilizer(s) from tie rods.
- 22) Road test vehicle.