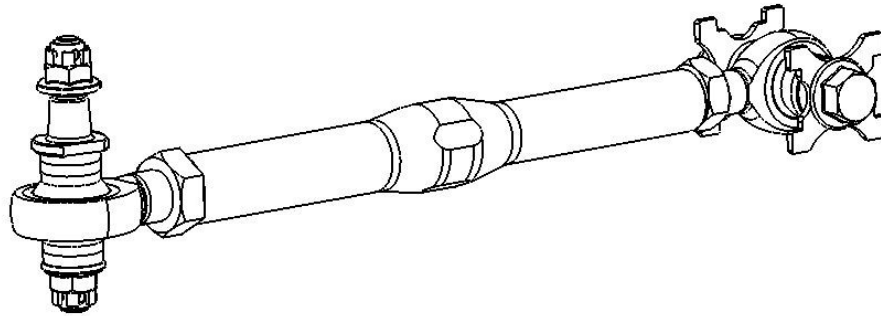
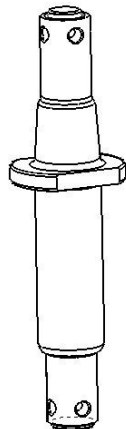




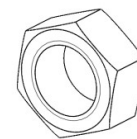
**S2000 Adjustable
Rear Toe Arm – HDP12-05**



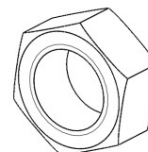
No.	Description	Quantity
1	Stub	2
2	5/8-18 RH Jam Nut	2
3	3/4-16 LH Jam Nut	2
4	Turnbuckle	2
5	M12 Castle Nut	4
6	3/4 Rod End	2
7	5/8 Rod End	2
8	M3 (Large) Split Pin	4
9	Chamfered Spacer	2
10	Standard Spacer	4
11	Eccentric Lock Out Plate	4
12	M12x80 Hex Head Screw	2
13	M12 Locking Nut	2
14	Chassis Side Rod End Spacer	2



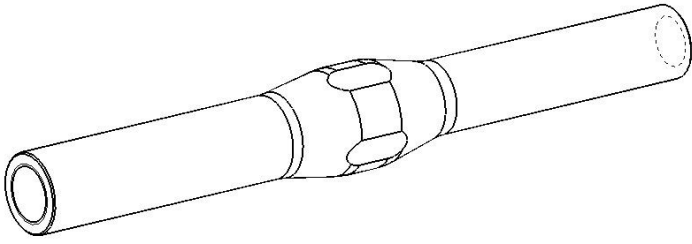
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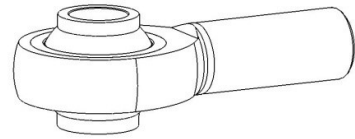
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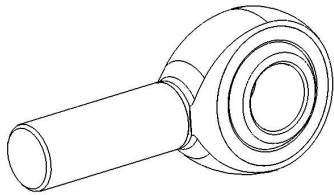
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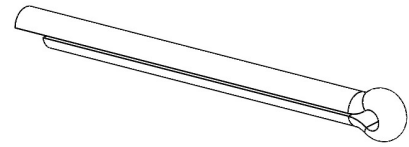
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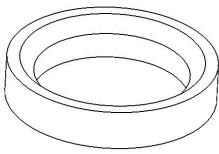
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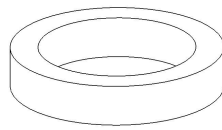
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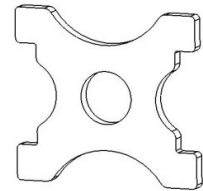
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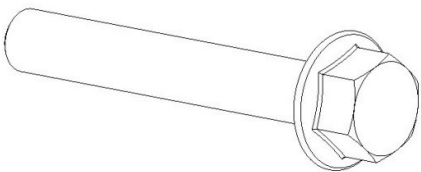
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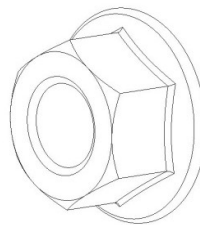
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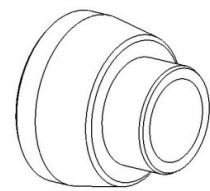
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12



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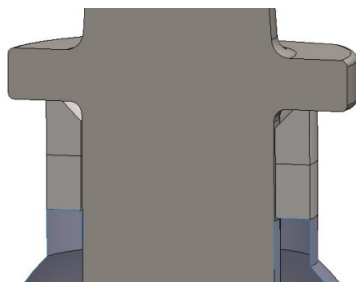


14

Required Special Tools

- Ball Joint Separation Tool
- 27mm Spanner (or adjustable wrench)
- 24mm Spanner (or adjustable wrench)
- 32mm Spanner (or adjustable wrench)

1. Loosen the rear wheel nuts a half turn
2. Jack up the car and support the vehicle on axle stands
3. Remove wheel nuts and wheel
4. Remove the existing rear Toe Arm, refer to factory service documentation if necessary
5. Assemble the Honed Toe Arm on a bench, refer to the image on page one of this document as a guide. The threads of the larger rod end are left hand, be sure to rotate the rod end appropriately when installed the jam nut and fitting the rod end to the turnbuckle(4). Apply anti-seize to the rod end threads if you are in a country that salts their roads.
6. Refer to the spacer configuration table below (on page 5) to set the order of the rod end spacers.
7. Note that there are two special chamfered spacers(9) that must be installed as shown below:



8. Set the length of the Honed Toe Arm assembly to the same length as the existing Toe Arm as a baseline.
9. Clean the taper in the knuckle, install the stub(1) into the rear knuckle, the upper m12 castle nut should be torqued to 64 Nm (47 lb.ft), be sure to fit the split pin.

10. Offer the eccentric lock out plates(11) up to the chassis side mounting point, depending on the age and life of your vehicle the tabs here might be deformed or out of spec. Modify the lock out plates if necessary. These **must** sit flat against the subframe.
11. Install the toe arm into the chassis side, using the provided chassis side spacers(14) in the 5/8" rod end.
12. Use the supplied M12x80mm flange bolt(12) on the chassis side, the torque setting for this fastener is 54 Nm.
13. Torque the lower castle nut (m12 x 1.25) to 59-69 N.m or 44-51 lbf.ft and fit the new split pin provided
14. **Repeat steps for the other side of the car**

Now that you have successfully installed the Honed Adjustable Rear Toe Arm to your vehicle it is critical that you take the car to get a wheel alignment as soon as possible.

Table 1: Spacer Configuration Table AP1

Vehicle modifications		Spacer Configuration
Stock Rear Lower Ball Joint	Ride height 310-350	Chamfer spacer and one standard spacer between rod end and flange of stub
Rear Roll Centre Correction Ball Joint	Ride height 310-350	Chamfer spacer and two standard spacers between rod end and flange of stub

*Note if you cannot identify a row that matches your vehicle Honed recommends that you measure the rear toe curve of your vehicle and set the rod end position by experimentation or contact Honed for support.

Wheel Alignment Recommendations

Vehicle modifications		Recommended Rear Toe Setting
Stock Rear Lower Ball Joint	Ride height 310-350	Total Toe In: 6mm (0.24")
Rear Roll Centre Correction Ball Joint	Ride height 310-350	Total Toe In: 6mm (0.24")

Note that these components are intended for race use only, and will require regular inspection and maintenance if necessary.

Honed takes no responsibility for injury or financial loss as a result of use or misuse of these