












# Alignments Process Overview QRG



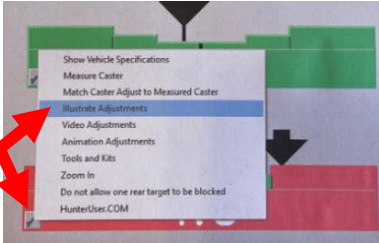

## Purpose and Overview

This QRG provides the steps for performing a vehicle alignment.



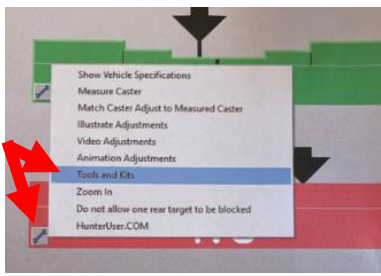

## Alignment Check


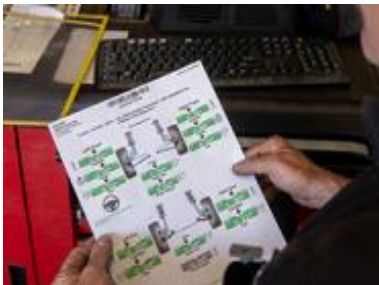

Step	Action	
1	Identify the reason(s) the vehicle was brought in by checking the notes included on the work order.	
2	Drive the vehicle onto the alignment rack using a guide and follow all related Best Practices for pulling and guiding a vehicle into the bay. Observe and note any active dashboard lights, indicators, or warnings	
3	Perform a Vehicle System Control Pre-Check (VSCC), including maintenance indicator light, dash controls, steering wheel controls, and vehicle monitor display controls.	
4	The guide will place wheel chocks behind and in front of rear wheels.	 
5	Driver puts vehicle in neutral.	
6	Verify tire air pressure of all assemblies are set to proper specifications if alignment check is being performed prior to tire/wheel service being performed.	

Step	Action	
7	Center turn plates on both front tires.	
8	Scan the VIN.  If you are unable to scan the VIN, search the vehicle information based on year, make, model and trim.	
9	Connect the CodeLink if any dash lights are present.  If a light is on the dash, you will click the button on the right-hand side of the screen.	
10	Lower Hawkeye cameras to perform alignment check before vehicle is lifted.	
11	Mount sensors level on assemblies.	
12	Perform compensation as directed by moving front wheel chock and pushing on the top of the rear tire until the front tire is in the center of turnplate, then replace wheel chocks.	
13	Collect the brake pedal depressor and steering wheel lock. Apply the brake pedal depressor.	

Step	Action
14	<p>Perform caster sweep.</p> 
15	<p>Level steering wheel.</p> <p>Apply steering wheel lock.</p> <p>Place vehicle in park, remove keys.</p> <p>Click <b>Okay</b> on steer ahead screen.</p> 
16	<p>Click <b>Illustrate Adjustments</b> to verify what adjustments can be made.</p> 
17	<p>Print Symptom Report and discuss results with customer. Let them know if we can do the alignment and ask if they alignment service done.</p> <p>If needed, advise the customer of any dashboard lights prior to proceeding with alignment.</p> 

## Performing an Alignment

Step	Action	
1	Raise the alignment rack after alignment check has been completed.	
2	<p>Inspect suspension on vehicles with 150,000+ miles including:</p> <ul style="list-style-type: none"> <li>• Tie rods, control arm bushings</li> <li>• Raise vehicle with jacks to inspect ball joints</li> <li>• Push out and in on the front and rear inside of both tires to inspect wheel bearings</li> </ul> <p><b>NOTE:</b> If vehicle is lifted with centering or hydraulic jacks on the alignment rack, a bounce is required.</p>	
3	Click <b>Tools and Kits</b> for adjustment tools.	
4	Take remote indicator if you cannot read the screen while moving around the vehicle.	
5	<p>All alignments should be performed in the following order:</p> <p><b>Rear</b></p> <ul style="list-style-type: none"> <li>• Camber</li> <li>• Toe</li> </ul> <p><b>Front</b></p> <ul style="list-style-type: none"> <li>• Camber</li> <li>• Caster – When making a caster adjustment, you must perform a caster sweep to validate changes</li> <li>• Toe (Win-toe)</li> </ul> <p><b>NOTE:</b> If vehicle is lifted with centering or hydraulic jacks on the alignment rack, a bounce is required.</p>	

Step	Action	
6	Lower the alignment rack.	
7	Remove the brake depressor and steering wheel lock.	
8	After all adjustments have been made, if required, reset the steering angle sensor using Code-Link following all prompts.	
9	Remove CodeLink from vehicle.	
10	Print the before and after reports for vehicle and save alignment work.	
11	Verify all tools and equipment have been removed from the vehicle and stored properly.	
12	Remove wheel chocks.	
13	Pull the vehicle off the alignment rack and out of the bay using a guide and following all related Best Practices to pulling/guiding a vehicle out of the bay.	
14	Provide the printouts to the customer and perform the Alignment Benediction.	

## Contact

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