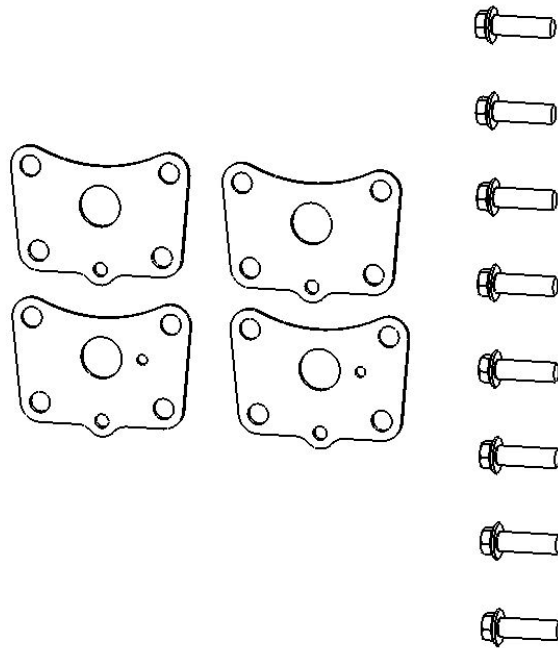




HDP45-02/HDP45-03 Rear Alignment Kit Instructions



No.	Description	Quantity
1	Neutral Toe 1 Degree Camber Shim	2
2	Combined Toe and 1 Degree Camber Shim	2
3	Replacement Spindle attachment bolts	8

Determining Which Shim to Use and What Orientation

Step 1: Locate your last alignment sheet or obtain a new one. Specifically we are interested in the rear alignment settings

Tire Tread Depth			Before	Specified Range
Rear Axle	Camber	Left	-2°34'	-1°00' / +1°00' -1°00'
		Right	-1°53'	-1°00' / +1°00' -1°00'
	Toe	Left	2.9mm	1.0mm / +2.0mm -1.0mm
		Right	8.3mm	1.0mm / +2.0mm -1.0mm
		Total	11.2mm	2.0mm / +4.0mm -2.0mm
Thrust Angle			-0.22°	0.00° / +. . . . -
		Left	2°16'	2°10' / +1°00' -1°00'

Step 2: If your **before** rear toe is within the target range already, you will install the shims etched “-1 DEG CAMBER” only.

If you have more toe in that desired, you can compensate for this by installing the toe shims etched “TOE OUT – THIS SIDE OUT” with the note facing outward.

If you have more toe out that desired, you can compensate for this by installing the toe shims etched “TOE IN – THIS SIDE OUT” with the note facing outward.

Step 3: During post installation alignment confirm the new settings. Note that the accuracy of alignment machines can vary.

The Table Below Specifies Honed's Recommended Alignment Settings:

	Honed Recommendation	
Front Axle		
Individual Toe	0mm	
Camber	-3 degrees	
Caster	+1 to +4 degrees	
Rear Axle		
Individual Toe	+1.5mm (toe in)	
Camber	-2 to -2.5 degrees	

Installation Guide

Figure 1: Remove the rear drum. Make sure the handbrake is disengaged.



Figure 2: Use a 30mm socket to remove the rear hub nut

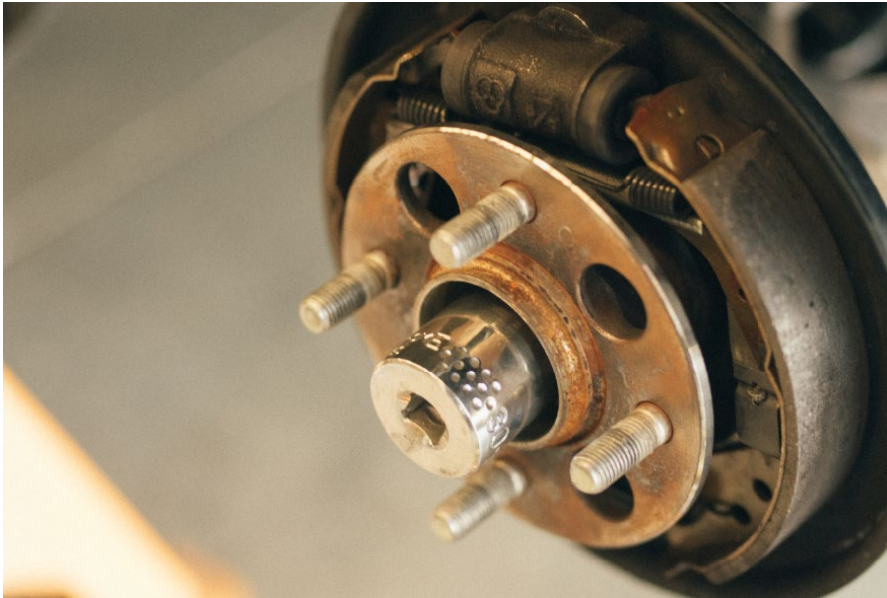


Figure 3: Remove the four main spindle connection bolts

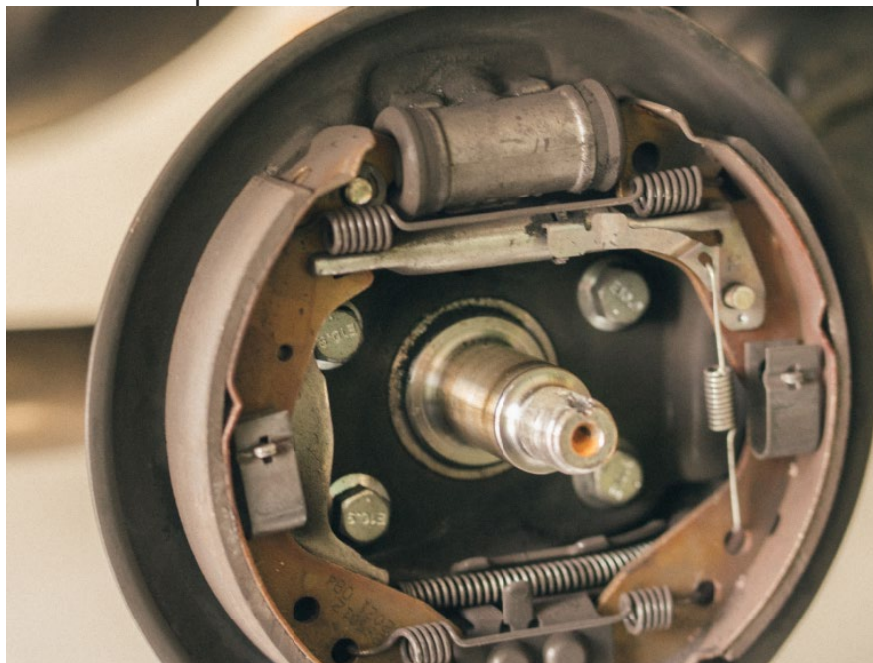


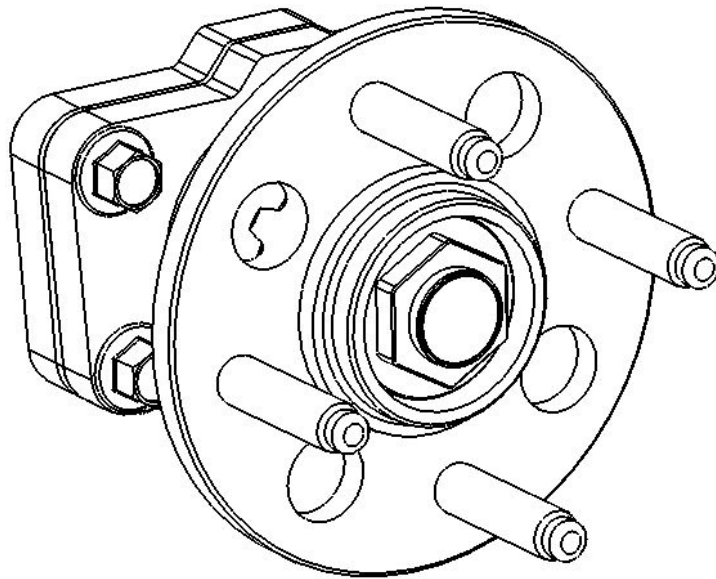
Figure 4: Remove this handbrake line bracket. Unclip the hard brake line running above the beam from it's plastic clip



Figure 5: Rest the loose spindle as shown taking care to not damage the abs sensor or surface



Figure 7: Install chosen shim between the rear spindle and the beam. We suggest using two of the m10 bolts in opposing corners of the connection to help align the spindle and shim to the beam before installing the countersunk screw.



AUDM/JDM/UK M10 bolt torque setting: 64 Nm (47 lb ft)

USDM M12 bolt torque setting: 83 Nm (61 lb ft)