

# COIL OVER INFORMATION

NOTE: Make sure to review the H&R Cup Kit /Coil Over specific bumpstop information on previous page.

## NOTES FOR H&R COIL OVERS

Front springs are marked with either an "F" or "VA"

Rear springs are marked with either an "R" or "HA"

Some H&R Coil Overs have stacked springs with a smaller, separate spring. This smaller spring is called a 'tender spring' and is designed to be completely compressed when loaded. On coil overs with 'full bodied' springs you may see coils which are very close to each other. These are dead or inactive coils. These are also designed to be completely compressed when loaded.

Most H&R Coil Over systems have much more adjustment available than needed. When first installed adjust the H&R Coil Over to the highest level of the working range (as specified in product-specific tech sheet) and check all vehicle/tire/wheel clearances before lowering to the desired ride height. All H&R Coil Overs have pre-tension on them to keep the springs tight within the range of adjustment. Most coil overs need to be uninstalled or have the springs compressed before adjustments are made.

Always check wheel clearance (offset) when using H&R Coil Overs. The coil over spring may have clearance issues when adjusted down next to the tire and wheel, especially with aftermarket wheels and tires. If you do not have enough clearance, H&R offers a complete line of precision TRAK+® Wheel Spacers to reduce wheel offset and increase space between the wheel/tire and coil over.

REMEMBER: When you adjust vehicle ride height you must have your wheel alignment checked.

NOTE: H&R recommends you apply Boeshield® T-9 (included in kit) liberally to the adjuster threads before you make any adjustments. When applicable H&R also recommends an additional

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Please Note: Many H&R products are decorated with Chevy®/GMC®, Ford®, Porsche®, Toyota®, DaimlerChrysler®/Mercedes-Benz®/Diamler-Benz®, Jeep®, Toyota®, and many other vehicle manufacturer's names or shields. No affiliation, sponsorship, approval, or connection with these organizations is intended.

For more information, please contact H&R at (888) 827-8881, or online at [hrsprings.com](http://hrsprings.com)

# TECHNICAL INFORMATION



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## IMPORTANT PLEASE READ BEFORE INSTALLATION

### NOTES FOR H&R SPRINGS

Front springs are marked with either an "F" or "VA"

Rear springs are marked with either an "R" or "HA"

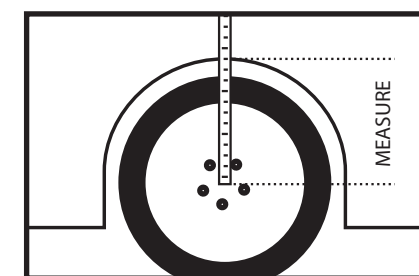
Some H&R Springs are engineered with dead or inactive coils. These are the coils of the spring that are close together before installation and completely compressed when installed and loaded. Dead or inactive coils are required in some applications because when you increase spring rate in a lowering spring, the spring may be shorter than the original. A shorter spring would be loose in the spring perch when the suspension is fully extended which can be extremely dangerous. Dead or inactive coils prevent the lowering spring from being loose in the perch by filling the extra space.

REMEMBER: When you change vehicle ride height you must have your wheel alignment checked.

NOTE: Ride height may vary on vehicles equipped with factory sport suspension. Vehicle ride height may also vary based on factory/aftermarket accessories.

### LOWERING MEASUREMENTS

It is important to take note of the vehicle ride height before and after installing lowering suspension. To check ride height use a tape measure or yardstick to measure from the wheel center to the upper edge of the fender. Measure before and after lowering vehicle.



#### STOCK RIDE HEIGHT

FRONT LEFT \_\_\_\_\_ in.  
FRONT RIGHT \_\_\_\_\_ in.  
REAR LEFT \_\_\_\_\_ in.  
REAR RIGHT \_\_\_\_\_ in.

#### H&R LOWERED RIDE HEIGHT

FRONT LEFT \_\_\_\_\_ in.  
FRONT RIGHT \_\_\_\_\_ in.  
REAR LEFT \_\_\_\_\_ in.  
REAR RIGHT \_\_\_\_\_ in.

H&R Springs and suspensions should be installed by professional suspension mechanics only. H&R Special Springs, LP is not responsible for damage caused by improper installation.

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# BUMPSTOP INFORMATION

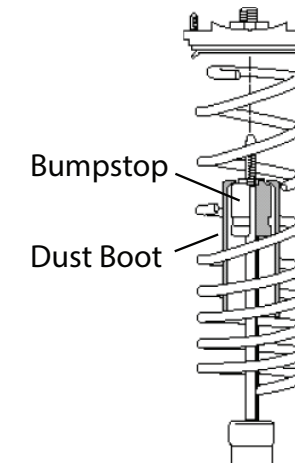
## SPRING KIT INSTALLATION NOTES

NOTE: If your part number is not listed, no action is needed.  
 Certain suspension applications require trimming of the factory bumpstops when lowering springs are installed. The following part numbers require trimming of either the FRONT and/or REAR bumpstop.

H&R KIT#	TRIM FRONT	TRIM REAR	H&R KIT#	TRIM FRONT	TRIM REAR
28802-1	See Enclosed Tech Sheet 237	N/A	50788-77	N/A	1.0 from bottom
28802-3	See Enclosed Tech Sheet 237	N/A	50863	See Enclosed Tech Sheet 231	N/A
28802-5	See Enclosed Tech Sheet 237	N/A	51655-77	.25"	N/A
28816-1	See Enclosed Tech Sheet 233	N/A	51655-88	.25"	N/A
28828-1	See Enclosed Tech Sheet 242	N/A	51657-77	.40"	.75"
28840-4	See Enclosed Tech Sheet 233	N/A	51657-88	.40"	.75"
28859-4	See Enclosed Tech Sheet 242	N/A	51690-77	.40"	.75"
28880-1	See Enclosed Tech Sheet 204	N/A	51690-88	.40"	.75"
28880-2	See Enclosed Tech Sheet 204	N/A	51691-77	N/A	See Enclosed Tech Sheet 240
28880-3	See Enclosed Tech Sheet 204	N/A	51845	.75"	N/A
28993-1	1.25" from bottom	N/A	51846	.75"	N/A
29484	.75"	N/A	51892	See Enclosed Tech Sheet 246	N/A
29774	1.0" from middle	1.0"	52012	.75"	N/A
29813	.75"	N/A	54341	.75"	.50"
29834	.75"	N/A	54408	.75" from bottom	.75" from bottom
29910	.75"	N/A	54408-77	.75" from bottom	.75" from bottom
29910-2	.75"	N/A	54686	1.0" from bottom	N/A
50152	.50" from top	N/A	54686-2	1.0" from bottom	N/A
50404-88	.75 - 1.0"	.30 - .50"	54706	N/A	1.25"
50410-55	.75"	N/A	54707	1.0"	N/A
50410-88	.75"	N/A	54711	N/A	1.25"
50412-88	.75"	N/A	54715-88	N/A	1.25"
50760	N/A	.50"	54741	N/A	1.25"
50776	N/A	1.0 from bottom	54746	.75"	N/A
50776-2	N/A	1.0 from bottom	54746-2	.75"	N/A
50776-77	N/A	1.0 from bottom	54748	N/A	1.25"
50778	N/A	1.0 from bottom	54756-77	See Enclosed Tech Sheet 233	N/A
50778-77	N/A	1.0 from bottom	54764	N/A	1.25"
50786	N/A	1.0 from bottom	54786-77	See Enclosed Tech Sheet 233	N/A
50786-2	N/A	1.0 from bottom	54787	See Enclosed Tech Sheet 233	N/A
50786-77	N/A	1.0 from bottom	54788	See Enclosed Tech Sheet 233	N/A
50788	N/A	1.0 from bottom			

# BUMPSTOP INFORMATION

## CUP KIT / COIL OVER INSTALLATION NOTES



## IMPORTANT

Please note that original bumpstop, dustboot, and other OEM parts must be re-used if not included in kit. If OEM parts are not in 'like new' condition, they must be replaced.

FAILURE TO INSTALL OEM PARTS WILL VOID WARRANTY

# MERCEDES-BENZ® INFORMATION

Mercedes Benz® vehicle ride height may vary due to options and factory ride height adjustment shims. Mercedes Benz® ride height adjustment shims are OEM rubber shim perches which are located on the top of the spring. These shims vary in thickness from 8 – 23mm.

Small ridges on the side of the shim identify the thickness of the pad. The front shims are available in one to four ridges, four being thickest. The rear shims are available in one to three ridges, three being thickest. If additional height adjustment is required after installing H&R Springs, please contact your Mercedes Benz® dealer.

DISREGARD THIS NOTE IF THE SHIMS DO NOT HAVE RIDGES (NEWER CARS)

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