

**BMW CCA Club Racing Series
SpecE36™ Class
Components List**

1. Suspension – Dampers and Springs

Option 1

H&R E36 RSS ClubSport CoiloverKit (“E36Nurburgring matched springs and dampers, adjustable ride height: H&R Part # RSS-E36-SPEC, The Tire Rack Part # RSS-E36-SPEC).

Option 1A

H&R E36 RSS Clubsport CoiloverKit with substitute rear spring, H&R part number RF140130.

Note: This rear spring is only allowed to substitute into the TireRack H&R kit. It cannot be matched with the GC/Koni rear damper.

Option 2

- 1) Ground Control Front Suspension consisting of the following:
 - a) Ground Control Front Strut Housing, Part # GC RACE E36 M3
 - b) Koni Front Damper, Part # 8610 1437 SPGC
 - c) Eibach Front Spring, Part # 600.250.0650
- 2) Ground Control Rear Suspension consisting of the following:
 - a) Ground control height adjuster and spring perch, Part # GC RRADJUST PLUS CONE
 - b) Koni Rear Damper, Part #8641 1225 SPGC
 - c) Eibach Rear Spring, Part# 500.225.0750

Option 3

A combination of:

- 1) H&R Front Suspension with Ground Control/Eibach/Koni Rear Suspension

Or

2) Ground Control/Eibach/Koni Front suspension with H&R Rear Suspension

Note: Mix and matching of individual H&R or GC/Koni/Eibach components on either end of the car is not allowed.

2. Suspension – Sway Bars

- a. Sway Bars are open to any commercially available swaybar specified for a BMW E36 but must utilize the stock mounting locations and mounting brackets. Swaybar adjustments will utilize either individual hole or sliding collars. No other adjustment mechanisms are allowed. Remote adjustable or bladetype bars are not permitted.

3. Suspension – Front Camber Plates

- a. Adjustable front camber plates to achieve suspension settings are allowed. Adjustable camber plates must be commercially available and specified for the E36 chassis. Mounting points may not be welded, slotted, machined or otherwise modified for additional adjustment.
- b. Alternatively BMW CCA Club Racing Fixed Camber Plates are allowed. These plates are available exclusively from The Tire Rack. Part #CAMBER-SE36-1 is available for \$70, and includes the plates, stainless steel hardware, and instructions.

4. Suspension – Misc. (to be used in conjunction with Club Racing Fixed Camber Plate)

- a. Front upper strut bearings must be BMW Part # 31-33-2-228-345, as used on the 1995 E36 M3.
- b. BMW Part # 31-33-1-110-196 (“dust protection collar”) is required for proper assembly of the suspension kit.
- c. BMW Part # 31-33-1-116-983 (“flat washer”) is required.

5. Tires

- a. Toyo RR in size 235/40/17. Racers already in possession of the previously authorized BFG 245/40/ZR17 tires may continue to use those tires for the 2015 race season. Any BFG tires in use will have a DOT manufacture date prior to 2015 (5214 or earlier).
- b. Optional rain tire is the Toyo RA1 in 235/40ZR17. Racers already in possession of previously authorized BFG rain tires may continue to use those tires as long as they are serviceable; however, new tires acquired must be the new spec tires.

H&R Suspension Kit Assembly Tips

1. A washer and dust protection collar is required between the upper spring plate and strut bearing. The washer is required so that loads are properly transmitted to the strut bearing.
2. Proper assembly order is:
 - a. Upper spring plate
 - b. Washer - BMW Part # 31-33-1-116-983
 - c. Dust protection collar - BMW Part # 31-33-1-110-196
 - d. Strut bearing.
3. The washer is required to properly transmit loads to the strut bearing

SpecE36™ Decal Requirements

1. All decals as required for all cars racing in the Tire Rack BMW CCA Club Racing Series, as specified on the Club Racing Web site. These decals must be easily visible from the side or end of the car.
2. Two 12-inch H&R decals placed prominently, one on each side of the car between the wheel wells or two 12-inch Ground Control decals placed prominently, one on each side of the car between the wheel wells depending on the suspension used.
3. Although not specifically required, eligibility for the Toyo Tire Contingency program requires four 18 inch Toyo Tire decals to be displayed per the contingency form. Also note: a Toyo Tire driver suit patch is required for the contingency program.