

Original BMW Accessories.

Installation Instructions.



M Performance Coilover Retrofit Kit. BMW M2 (F87)

Retrofit kit number

33 50 2 413 033 Sports chassis retrofit kit

Installation time

The installation time is **approx. 5.5 hours**. This may vary depending on the condition of the car and the equipment in it.

In general the car must be flash-upgraded to the latest I-level status before the conversion work begins. Differing programming times may be necessary depending on the production age of the vehicle and on work previously performed on the vehicle.

The installation time quoted does not include time spent on visual measurement, cutting of the gaiters, resetting the chassis and programming/coding work. This may vary depending on the condition of the car and the equipment in it.

Total costs for the additional work required must be included in the calculation of retrofitting costs (no charges may be made through the warranty).

Important information

These installation instructions are primarily designed for use within the BMW dealership organisation and by authorised BMW service companies.

These installation instructions are intended for use by qualified specialist staff trained on BMW vehicles with the relevant expert knowledge.

All work must be completed using the latest BMW repair manuals, wiring diagrams, servicing manuals and work instructions, in a rational order, using the prescribed tools (special tools) and observing current health and safety regulations.

If you experience installation or function problems, restrict troubleshooting to approx. 0.5 hours for mechanical work and 1.0 hour for electrical work.

To avoid unnecessary extra work and/or costs, send an inquiry straight away to the technical parts support team via the Aftersales Assistance Portal (ASAP).

Quote the following information:

- Chassis number,
- Retrofit kit part number,
- A detailed description of the problem,
- and any work already carried out.

Do not archive the hard copy of these installation instructions since daily updates are provided via ASAP.

Pictograms



Denotes instructions that draw your attention to dangers.



Denotes instructions that draw your attention to special features.



Denotes the end of the instruction or other text.

Installation information

All pictures show LHD cars; proceed accordingly on RHD cars.

Some of the installation is shown only on the left-hand side of the car, proceed in the same way on the right-hand side of the car.

After the parts kit has been installed, a standard chassis measurement with DIN loading compliant with **ISTA No. 31 00 ...** must be carried out (for values, see Section 4).

All fine-threaded nuts must be replaced.



Only use the springs included with this retrofit kit. Other springs have not been tested or approved.

Special tools required

00 2 040 Basic holder

31 2 230 Socket wrench insert

31 3 341 Spring tensioner

2 240 482 Round clamp plate

2 364 828 Centring ring

2 240 516 Clamp plate

2 240 486 Holder

2 364 829 Protective insert

2 240 487 Pressure plate

2 240 490 Screws

31 3 340 Special tool

2 360 213 Socket wrench

2 358 630 Steering knuckle

2 360 213 Special tool

36 1 300 Special tool

2 344 011 Impact screws

36 1 335 Adapter

36 1 010 Adapter

33 5 010/013/014/015/016/017/020 Special tool for rear spring collar

2 364 776/774 Special tool for rear spring collar

Information to be supplied to the customer



Print out section 4 "Shock absorber adjustment".

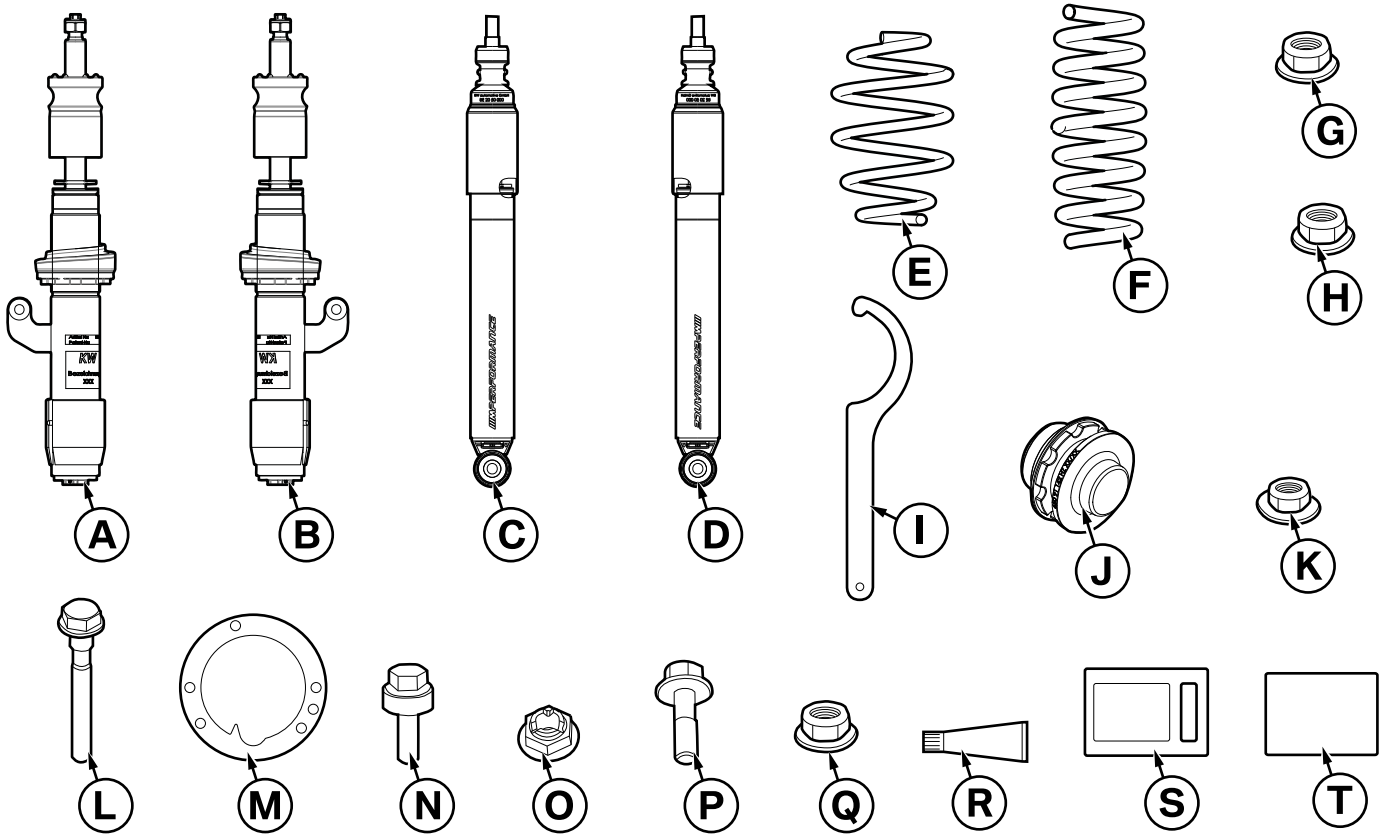
Print out and complete the attached workshop document.

Print out the TÜV Parts Approval and give everything to the customer. ◀

Table of contents

Section	Page
1. Parts list	4
2. Preparatory work	5
3. Fitting	6
4. Shock absorber adjustment	9
5. Concluding work and coding	11
6. Workshop certificate	12
7. Parts Approval	13

1. Parts list



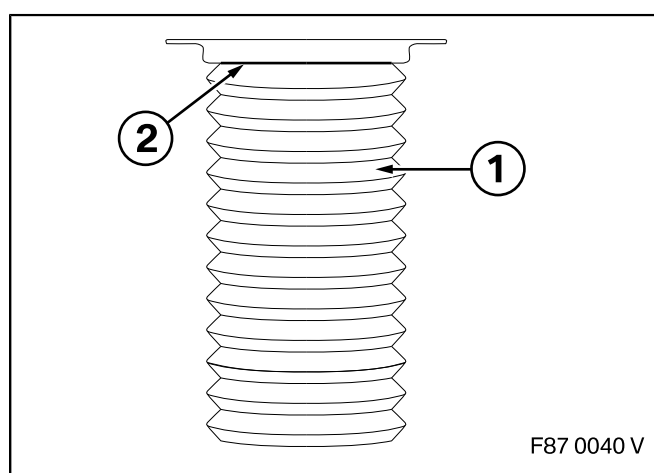
F87 0039 V

Legend

- A** Front right spring strut shock absorber
- B** Front left spring strut shock absorber
- C** Rear right spring strut shock absorber
- D** Rear left spring strut shock absorber
- E** Front coil spring (2 x)
- F** Rear coil spring (2 x)
- G** Hexagon flange nut M12x1.5-10-ZNS3 (2 x)
- H** Collar nut M10-10 ZNS3 (2 x)
- I** Wrench
- J** Rear spring seat (2 x)
- K** Nut M10-10-ZNS3 (2 x) (not included in the parts kit)
- L** Hexagon screw M10x10 80-U1-10.9 (2 x) (not included in the parts kit)
- M** Gasket (2 x) (not included in the parts kit)
- N** Combination hexagon screw M8 x 33 10.9 ZNS3 (10 x) (not included in the parts kit)
- O** Collar nut M14 x 1.5-05 ZNS3 (2 x) (not included in the parts kit)
- P** Combination screw M12 x 125 -10-ZNS3 (2 x) (not included in the parts kit)
- Q** Bihex nut M14 x 1.5 ZNNIVSI (2 x) (not included in the parts kit)
- R** Manipulation indicator sealant
- S** Toolbox with tools (included in the parts kit)
- T** Door sticker

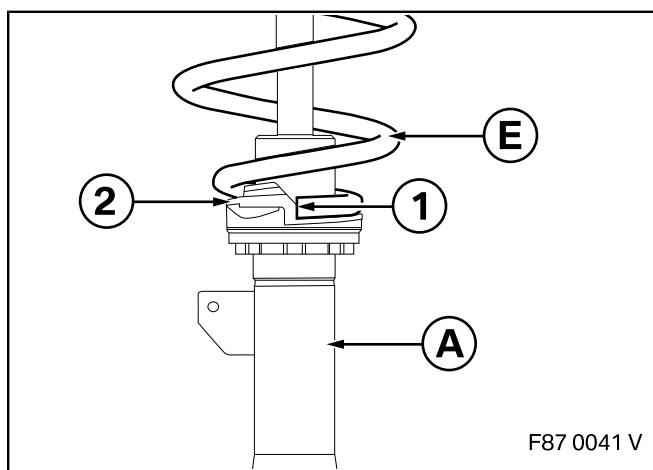
2. Preparatory work

	ISTA No.
Conduct a brief test	---
Disconnect the negative pole of the battery	61 20 900
The following components must be removed first of all	
Front and rear wheel	36 10 300
Front left and right spring strut	31 31 000
Front left and right spring strut shock absorber	31 31 031
Rear left and right coil spring	33 53 000
Rear left and right spring strut shock absorber	33 52 010
Stabiliser arm link	31 35 005
Support bearing for shock absorber	33 52 161



Prior to installation, cut the two gaiters (1) at the fold (2) using a suitable tool.

3. Fitting



Front axle

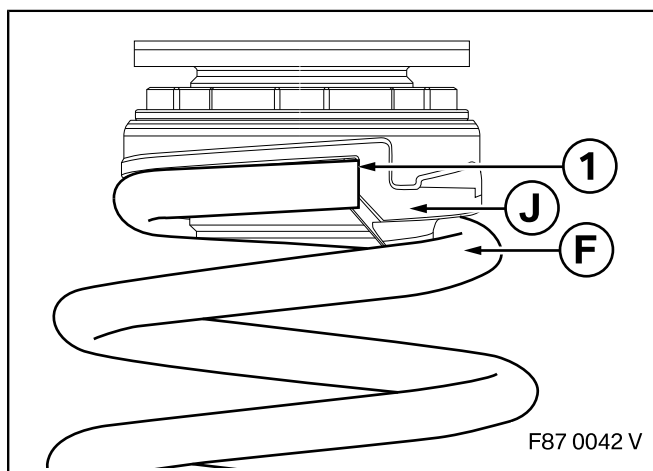
Install front coil springs **E** as described in **ISTA No. 31 31 031** into spring strut shock absorbers **A** and **B**.

☐ Ensure that coil spring **E** is positioned on the edge (1) of the spring support (2).

Ensure that the spring support (2) is positioned relative to spring strut shock absorber **A** as shown. ◀

Adjust the collar height using wrench **I**.

Proceed in exactly the same way on the left-hand side.



Rear axle

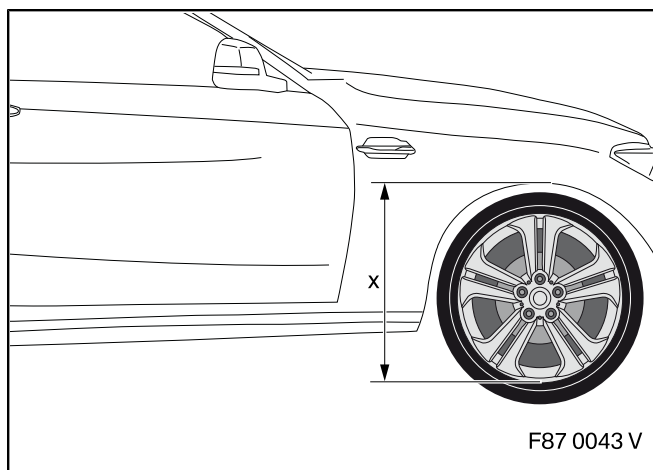
Install rear coil springs **F** as described in **ISTA No. 33 53 000**.

☐ Ensure that coil spring **F** is positioned on the edge (1) of rear spring seat **J**, as shown. ◀

Adjust the collar height using wrench **I**.

Proceed in exactly the same way on the left-hand side.

⚠ The difference in the vehicle height should be **no more than 5 mm** between the left and right hand sides of the vehicle. ◀



Front axle

Measure vehicle height **x** (from the lower rim edge vertically to the wheel arch).

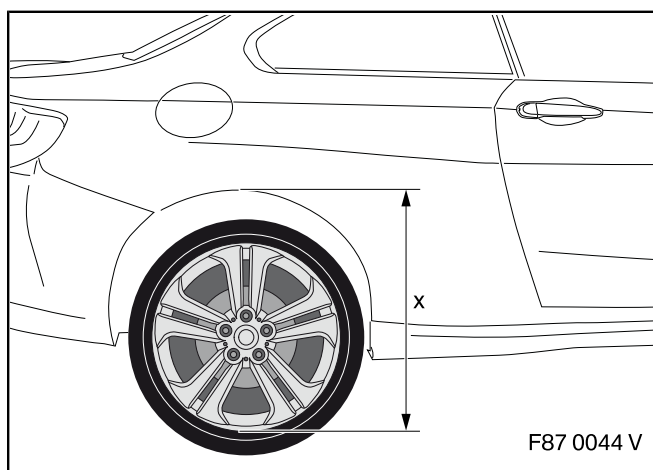
Adjust vehicle height **x** (**see table below**) on front right spring strut shock absorber **A** and front left spring strut shock absorber **B**.

☐ The following dimensions should be measured under the following vehicle loading conditions:

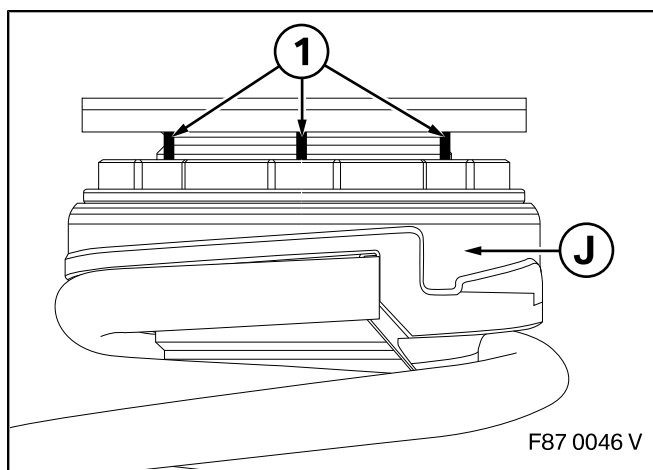
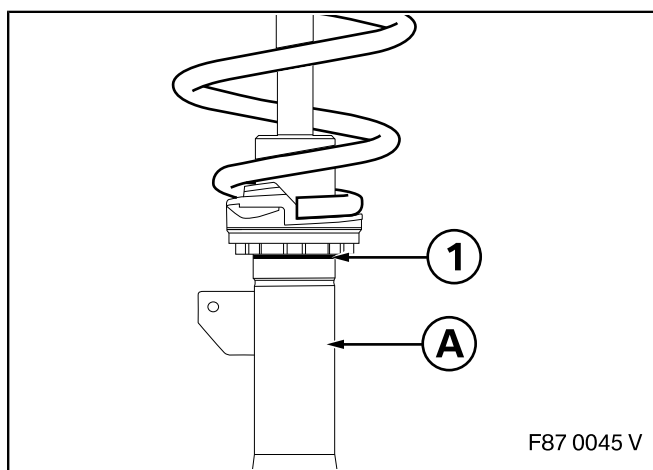
2 x 75 kg on the front seats. ◀

Front axle dimensions	
Tyre size (inches)	x (mm)
18	574
19	595

3. Fitting



Rear axle dimensions	
Tyre size (inches)	x (mm)
18	579
19	600



Rear axle

Measure vehicle height **x** (from the lower rim edge vertically to the wheel arch).

Adjust vehicle height **x** (**see table below**) on left and right rear spring seats **J**.

Then adjust the toe as per **ISTA**.

Front axle

Mark the final setting on front right spring strut shock absorber **A** with a colour marking (1) (tampering indicator sealant) on the thread.

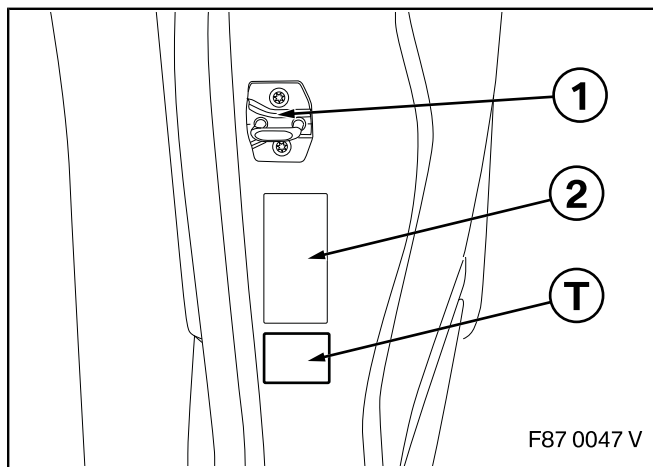
Proceed in the same manner on front left spring strut shock absorber **B**.

Rear axle

Mark the final setting on rear right spring strut shock absorber **J** with colour markings (1) (tampering indicator sealant) on the thread.

Proceed in the same manner on rear left spring seat **J**.

3. Fitting



 The areas being bonded must be completely dry, clean and free from wax or grease. ◀

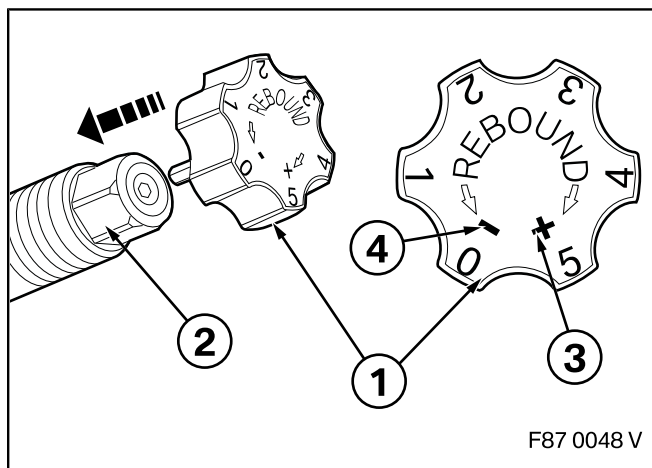
Affix the door sticker **T** to the B pillar on the driver's side under the door lock (1). If there is already a sticker (2) in this position, affix the door sticker **T** below the sticker (2).

4. Shock absorber adjustment

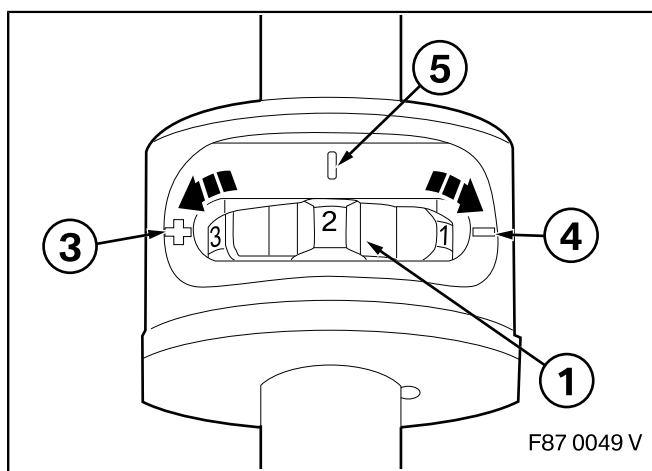
Rebound: The rebound adjustment is made at the top end of the piston rod using the adjustment wheel (1). The adjustment is made from the closed position (max. hardness). The closed position is reached when the adjustment wheel (1) has been turned as far as possible in the hard direction (+) (number "0" on the wheel). The effective adjustment range is 0-16 clicks.

! The adjustment wheel (1) actuates a fine mechanical valve. Never attempt to exceed the end of the adjustment range by force. This will damage the adjustment mechanism. ◀

Effect of the rebound: Low rebound forces improve comfort when driving slowly but will in particular reduce the stability and steering precision when driving fast. High rebound forces improve handling on the front axle but in some circumstances may reduce grip. Drive comfort is significantly reduced by high rebound forces. Never drive with one axle very hard whilst the other is very soft.



Place the adjustment wheel (1) on the piston rod (2). The rebound damping can be hardened by turning the adjustment wheel (1) clockwise. Turning it the opposite direction will soften the rebound damping. The directions are marked on the adjustment wheel (1) with a "+" (harder) (3) and a "-" (softer) (4).



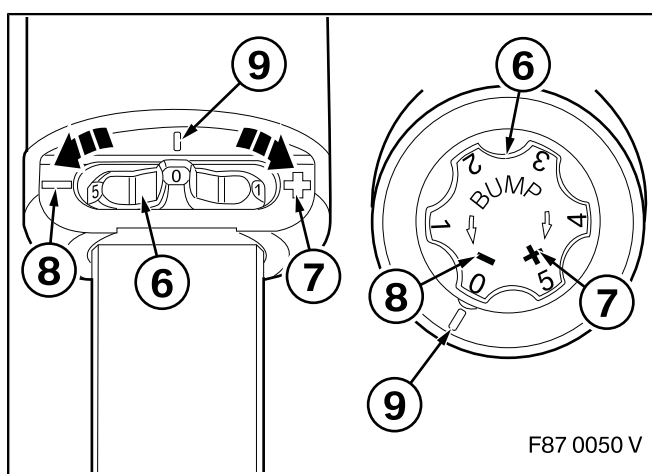
The numbers on the adjustment wheel (1) are for guidance to make it easier to adjust the shock absorbers. The direction in which the rebound becomes harder or softer is shown on the adjustment head by a "+" to harden the rebound (3) and a "-" to soften the rebound (4). The marking (5) on the adjustment head is only on one side. The numbers on the adjustment wheel (1) can be read on the same side as the markings (5) on the adjustment head.

4. Shock absorber adjustment

Compression: The compression is adjusted on the base of the shock absorber again using the adjustment wheel (6). The adjustment is made from the closed position of the valve (max. hardness). The closed position is reached when the adjustment wheel has been turned as far as possible in the hard direction (+) (number "0" on the wheel). The maximum effective adjustment range is 0-12 clicks.

! The adjustment spindle actuates a fine mechanical valve. Never attempt to exceed the end of the adjustment range by force. This will damage the adjustment mechanism. ◀

Effect of compression: The compression settings have a major influence on handling. The following rule of thumb applies: If the compression setting on the front axle is hardened the car's steering will be more precise and aggressive. A softer setting, on the other hand, will result in generous handling. Harder compression settings on the rear axle make the car more stable when changing direction and counteracts any tendency to oversteer. In contrast, a soft compression setting enables the rear to have more steering effect. Too much compression, however, can result in uncomfortable rolling and reduces grip. As a result of the degressive properties of the compression valve, a hard setting will not influence the compression properties if you drive over bumps or the lake at high speed.

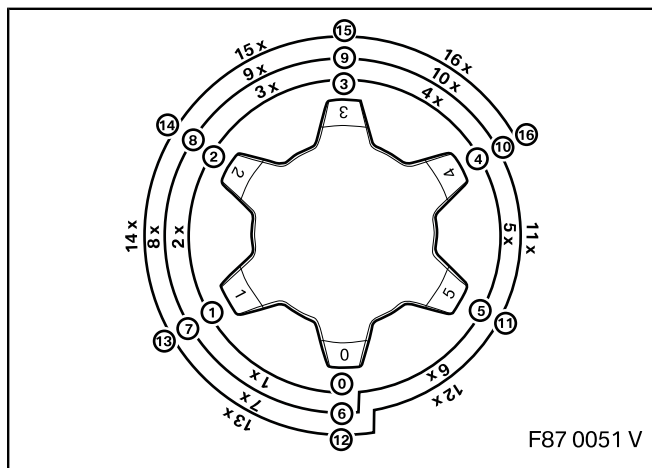


The numbers on the adjustment wheel (6) are for guidance to make it easier to adjust the shock absorbers. The direction in which the compression becomes harder or softer is shown on the adjustment head by a "+" to harden the compression (7) and a "-" to soften the compression (8). The marking (9) on the adjustment head is only on one side. The numbers on the adjustment wheel (6) can be read on the same side as the markings (9) on the adjustment head.

Condition on delivery

The shock absorbers are always delivered with a default setting. This default setting has been specially defined for the front and rear axles of your car. If the shock absorbers are reset to the default setting, the values in the table below apply.

Axle	Rebound	Compression
Front axle	9 clicks open	6 clicks open
Rear axle	12 clicks open	6 clicks open



Example:

Adjusting the default setting for rebound on the front axle

The default setting for rebound is 9 clicks open. First of all, close the rebound by turning it clockwise in the "hard" (+) direction. Then turn the adjustment wheel in the "soft" (-) direction until the adjustment wheel has clicked nine times. The adjustment wheel will now display the number 3. The various adjustment positions are shown in the graphic.

5. Concluding work and coding

The retrofit system does not require programming/coding.

- Connect the battery
- Conduct a function test
- Re-assemble the car
- Carry out steering angle adjustment
- Carry out a standard chassis measurement with DIN loading as described in **ISTA No. 32 00 150**
- Carry out a chassis measurement and adjust using the standard chassis adjustment data



Print out the attached workshop certificate, complete it and give it to the customer with the TÜV parts report. ◀

6. Workshop certificate



Workshop certificate M Performance coilover chassis

This confirms that the M Performance coilover chassis has been fully installed on the vehicle shown below as specified in installation instructions No. 01 29 2 420 145 and the TÜV parts report.

Part number

33 50 2 413 033 Sports chassis retrofit kit

Steering sensor adjustment completed: ☐
Chassis measurement completed: ☐
Headlights adjusted: ☐

Car model: _____

VIN: _____

Name and address of the vehicle owner: _____

Place, date

Signature of person responsible

Dealership (company name / stamp)

**über die Vorschriftsmäßigkeit eines Fahrzeugs bei bestimmungsgemäßem
Ein- oder Anbau von Fahrzeugteilen gemäß § 19 Abs. 3 Nr. 4 StVZO
on the compliance of a vehicle when vehicle parts are properly installed
and fitted to the car in accordance with § 19 Par. 3 No. 4 StVZO**

Änderungsumfang <i>Modification</i>	: Stufenlos verstellbares Fahrwerk zur Tieferlegung des Fahrzeugaufbaus an der Vorderachse um ca. 0-20 mm und an der Hinterachse um ca. 0-20 mm <i>Continuously adjustable suspension system for lowering of car body by approx. 0-20 mm at front axle and by approx. 0-20 mm at rear axle</i>
Teile-Typ(en) <i>Part type(s)</i>	: 33 50 2 413 033
Hersteller <i>Manufacturer</i>	: BMW Group BP-21 Zentrale Teileauslieferung (ZTA) Landshuter Str. 56 D-84122 Dingolfing
für das Fahrzeug (Typ) <i>for the vehicle (type)</i>	: BMW M M2 (M3)
max. zul. Achslasten <i>max. axle load</i>	: VA (<i>front axle</i>) 970 kg HA (<i>rear axle</i>) 1080 kg

0. Hinweise für den Fahrzeughalter / Instructions for vehicle owner

**Unverzügliche Durchführung und Bestätigung der Änderungsabnahme
Performance and confirmation without delay of modification acceptance**

Durch die vorgenommene Änderung erlischt die Betriebserlaubnis des Fahrzeuges, wenn nicht unverzüglich die gemäß StVZO § 19 Abs. 3 vorgeschriebene Änderungsabnahme durchgeführt und bestätigt wird oder festgelegte Auflagen nicht eingehalten werden. / *With the modification the type approval of the vehicle will expire if the modification acceptance provided for in StVZO § 19 Par. 3 is not performed and confirmed without delay or if conditions laid down are not complied with.*

Nach der Durchführung der technischen Änderung ist das Fahrzeug unter Vorlage des vorliegenden Teilegutachtens unverzüglich einem amtlich anerkannten Sachverständigen oder Prüfer einer Technischen Prüfstelle oder einem Prüfsingenieur einer amtlich anerkannten Überwachungsorganisation zur Durchführung und Bestätigung der vorgeschriebenen Änderungsabnahme vorzuführen. / *After performance of the technical modification, the vehicle must be presented without delay together with the present TÜV parts approval to an officially recognised inspector at a Technical Inspection Centre or to an inspection engineer from an officially recognised inspection organisation to perform and confirm the specified modification acceptance.*

Einhaltung von Auflagen und Hinweisen / Compliance with Conditions and Notes

Die unter III. und IV. aufgeführten Auflagen und Hinweise sind zu beachten.
The Conditions and Notes given in III. and IV. must be complied with.

Mitführen von Dokumenten / Availability of documents

Nach der durchgeführten Abnahme ist der Nachweis mit der Bestätigung über die Änderungsabnahme mit den Fahrzeugpapieren mitzuführen und zuständigen Personen auf Verlangen vorzuzeigen; dies entfällt nach erfolgter Berichtigung der Fahrzeugpapiere.

After the acceptance procedure the certificate with confirmation of the modification acceptance must be carried in the car and presented to authorised persons on demand; this will not apply once the vehicle documents have been amended.

Berichtigung der Fahrzeugpapiere / Amendment of vehicle documents

Die Berichtigung der Fahrzeugpapiere (Zulassungsbescheinigungen) durch die zuständige Zulassungsbehörde ist durch den Fahrzeughalter entsprechend der Festlegung in der Bestätigung der Änderungsabnahme zu beantragen.

The vehicle owner must apply, in accordance with the provision in the confirmation of modification acceptance, for the competent licensing authority to amend the vehicle documents (vehicle registr. documents).

Weitere Festlegungen sind der Bestätigung der ordnungsgemäßen Änderung zu entnehmen.
Further conditions can be found in the confirmation of modification acceptance.

I. Verwendungsbereich / Field of application

Fz-Hersteller <i>Vehicle manufacturer</i>	Handelsbez. <i>Trade name</i>	Fahrzeugtyp <i>Vehicle type</i>	Varianten/Versionen <i>Variants and versions</i>	Typgenehmigung <i>Type approval</i>
BMW M	M2 (F87)	M3	alle / all	e1*?/?*0377*..

Der mit *?/?* versehene Teil der EG-Betriebserlaubnisnummer dokumentiert lediglich den aktuellen Stand der Rahmenrichtlinie und hat für dieses Teilegutachten keinen Belang, solange die Fz nicht in Teilen verändert wurden, die für die Tieferlegung des Fahrzeugaufbaus relevant sind.

*The part of the EC type approval number showing *?/?* merely document the current status of the framework directive and are of no significance for this parts approval as long as the parts of the vehicle which are relevant to the lowering of the bodywork have not changed.*

II. Beschreibung des Änderungsumfangs / Description of the modification

Vorderachse / Front axle

Für Fahrzeuge bis 970 kg VA-Last / For vehicles up to 970 kg front axle load

	Vorspannfeder Pre spring	Hauptfeder Main spring
Kennzeichnung / Marking	nicht vorhanden non existent	31 33 2 412 973 aufgedruckt / imprinted
Korrosionsschutz / Corrosion protection		EPS – Pulverbeschichtet EPS-powder coating
Drahtstärke / Wire size		13,5 mm
Außendurchmesser oben / top Outer diameter mitte / middle unten / bottom		122 mm 152 mm 90 mm
Länge (ungespannt) / Untensioned height		240 mm
Windungszahl / Number of coils		5,2
Federform / Coil shape		Zylinder Ende(n) angelegt Cylinder, end(s) aligned
Federkennlinie / Spring characteristic		linear

	Federteller (oben) Spring cup seat (top)	Federteller (unten) Spring cup seat (bottom)
Durchmesser max. / Max. diameter		85 mm
Durchmesser Auflage / Diameter rest	Serie OEM part	61 mm
Höhe / Height		45 mm
Federhöhenverstellung Spring height adjustment	Stufenlos verstellbarer Federteller (Federbein) Infinitely adjustable cup seat (Strut)	

	Federbein / Strut	
Dämpfungseinstellung (Zug-/Druckstufe) Damping adjustment (rebound/compression)	manuell / manual	
Kennzeichnung / Marking	links / left	31 31 2 414 621 oder / optional 1MT202C2
	rechts / right	31 31 2 414 622 oder / optional 1MT203C2

Endanschlag / Bump stop	Gummi- oder Hartschaumelement Rubber or polyurethane foam element
Höhe/Durchmesser / High/Diameter	50/58 mm
Einfederweg / Bump travel	vergrößert um / extended by 10 mm

Hinterachse / Rear axle

Für Fahrzeuge bis 1080 kg HA-Last / For vehicles up to 1080 kg rear axle load

	Vorspannfeder Pre spring	Hauptfeder Main spring
Kennzeichnung / Marking	nicht vorhanden non existent	33 53 2 412 975 aufgedruckt / imprinted EPS – Pulverbeschichtet EPS-powder coating
Korrosionsschutz / Corrosion protection		
Drahtstärke / Wire size		14,5 mm
Außendurchmesser oben / top Outer diameter mitte / middle unten / bottom		92,5 mm 98 mm 89 mm
Länge (ungespannt) / Untensioned height		255 mm
Windungszahl / Number of coils		7,8
Federform / Coil shape		Zylinder Ende(n) angelegt Cylinder, end(s) aligned
Federkennlinie / Spring characteristic		linear

	Federteller (oben) Spring cup seat (top)	Federteller (unten) Spring cup seat (bottom)
Durchmesser max. / Max. diameter	85 mm	Serie OEM part
Durchmesser Auflage / Diameter rest	61 mm	
Höhe / Height	45 mm	
Federhöhenverstellung Spring height adjustment	Stufenlos verstellbarer Federteller (Gewindehülse) Infinitely adjustable cup seat (Bushing)	

	Dämpfer / Shock absorber
Dämpfungseinstellung (Zug-/Druckstufe) Damping adjustment (rebound/compression)	manuell / manual
Kennzeichnung / Marking	33 52 2 414 623 oder / optional 1MT204B4

	Gummi- oder Hartschaumelement Rubber or polyurethane foam element
Endanschlag / Bump stop	
Höhe/Durchmesser / High/Diameter	50/50 mm
Einfederweg / Bump travel	vergrößert um / extended by 10 mm

III. Hinweise zur Kombinierbarkeit mit weiteren Änderungen **Notes on possible combination with other modifications**

III. 1 Rad/Reifenkombinationen / Wheel/tyre combinations

Es bestehen keine technischen Bedenken gegen die Verwendung aller serienmäßigen Rad-/Reifenkombinationen.

There are no technical objections against the use of all O. E. wheel/tyre combinations.

Bei der Verwendung von anderen Rad/Reifenkombinationen ist eine Begutachtung nach § 21 StVZO durch einen amtlich anerkannten Sachverständigen erforderlich.

If other wheel-/ tyre combinations are used, the examination in accordance with § 21 German Road Traffic Licensing Code - StVZO must be carried out by an officially recognised expert.

III. 2 Spoiler, Sonderauspuffanlagen usw. **Aerodynamic devices, special exhaust systems etc.**

Die dynamische Bodenfreiheit wird durch den Einbau der Sonderfedern/-dämpfer infolge der größeren Einfederwege an der Vorder- und Hinterachse verringert. Beim Prüffahrzeug betrug die Bodenfreiheit mindestens 80 mm (unter der Vorderachse). Beim Überfahren von Bodenwellen, Schwellen und Aufpflasterungen ist entsprechend vorsichtig zu fahren.

Nach dem Anbau von Sonderspoilern, -heckschürzen und Sonderauspuffanlagen ist der verringerte Überhangwinkel zu beachten (Befahren von Rampen etc.).

The dynamic ground clearance is decreased by the provision of special springs/dampers which increase the bump travel of the front and rear axle. In the case of the test vehicle, the min. ground clearance of 80 mm is complied with (below front axle). Care must be taken when driving over humps, barriers and heightened paving or road surfaces.

If special spoilers, aprons and exhaust systems are mounted, attention must be paid to the decreased overhang angle (driving up ramps etc.).

IV. Auflagen und Hinweise / Conditions and Notes

Auflagen für den Einbaubetrieb und die Änderungsabnahme **Conditions and notes for the installation shop and modification acceptance**

Die Montage der Fahrwerkskomponenten erfolgt gemäß den Angaben des Fahrzeugherstellers bzw. den mitzuliefernden Einbauhinweisen und sollte durch einen Fachbetrieb durchgeführt werden. / Mounting of the vehicle bodywork components will be performed in accordance with the vehicle manufacturer's specifications which must be included in the delivery and should be carried out by a specialist shop.

Die vorschriftsmäßige Einstellung der Scheinwerfer ist zu überprüfen.

The headlight adjustment has to be checked.

Nach erfolgter Umrüstung ist eine Achsvermessung des Fahrzeugs durchzuführen.
After modification an axle alignment must be carried out on the vehicle.

Die Endanschläge (Gummi- oder Hartschaumelemente) müssen der Beschreibung entsprechen. Zusätzliche Federwegbegrenzer sind nicht zulässig.
The bump stops (rubber or polyurethane foam element) must correspond to the descriptions of this report. Additional travel limiters are not allowed.

Die Verwendung des Tieferlegungssatzes an Fahrzeugen mit Niveauregulierung ist unzulässig.
Use of the lowering kit on vehicles with levelling system is not permitted.

Die Fahrzeughöhe ist in den Fahrzeugpapieren unter Feld 20 neu festzulegen. Das genaue Maß der Tieferlegung ist von fahrzeugspezifischen Toleranzen, der Reifengröße und der Fahrzeugausführung abhängig.
The vehicle height must be laid down in the vehicle documents in box 20. The precise measure of the lowering will depend on the specific vehicle tolerances, tyre size and vehicle version.

Verstellbereiche / adjustment ranges

Vorderachse <i>front axle</i>	min. / min.	165 mm	Abstandsmaß der Federauflage bis zur nächstliegenden gehäuseseitigen Befestigungsschraube des Federbeins <i>Distance from the spring rest to the nearest fastening screw</i>
	max. / max.	185 mm	
Hinterachse <i>rear axle</i>	min. / min.	29 mm	Anlagefläche der Gewindehülse am Fahrzeug bis zur Federauflage <i>Distance from contact point of the car to the adjustable spring perch</i>
	max. / max.	44 mm	

Abstand Radmitte – Radhausausschnittkante
Distance from the wheel centre to the wheelhouse rim

Vorderachse / front axle: min. 335 mm	Hinterachse / rear axle: min. 345 mm
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Berichtigung der Fahrzeugpapiere / Amendment of vehicle documents:

Eine Berichtigung der Fahrzeugpapiere ist erst „bei nächster Befassung“ der Zulassungsbehörde mit den Fahrzeugpapieren erforderlich.

Folgendes Beispiel für die Eintragung wird vorgeschlagen:

Amendment of the vehicle documents is only necessary the next time the approval authority has to do with the vehicle documents. The following example is suggested for the entry:

Feld / Item	Eintragung / Entry
22	Mit stufenlos verstellbarem Fahrwerk der Fa. BMW Group; Kennz. Federn vorn: 31 33 2 412 973, hinten: 33 53 2 412 975; Federbein vorn: links 31 31 2 414 621 oder 1MT202C2 rechts 31 31 2 414 622 oder 1MT203C2, Dämpfer hinten: 33 52 2 414 623 oder 1MT204B4; Maß Radmitte bis Radhausausschnittkante VA/HA.../... *

V. Prüfgrundlagen und Prüfergebnisse / Basis of tests and test results

Das Versuchsfahrzeug und die Fahrwerksteile wurden einer Prüfung gem. den Prüfbedingungen über Fahrzeugtiefer-/höherlegungen des VdTÜV-Merkblatts 751 (Stand: 08.2008) unterzogen. Die Prüfbedingungen wurden erfüllt.

The test vehicle and the modification parts were subjected to a test in accordance with the test conditions regarding raising / lowering of vehicles contained in VdTÜV Merkblatt 751 (08.2008).

The test conditions were fulfilled.

VI. Anlage / Annex: keine / none

VII. Schlussbescheinigung / Concluding certification

Es wird bescheinigt, dass die im Verwendungsbereich beschriebenen Fahrzeuge nach der Änderung und der durchgeführten und bestätigten Änderungsabnahme unter Beachtung der in diesem Teilegutachten genannten Auflagen/Hinweise insoweit den Vorschriften der StVZO in der heute gültigen Fassung entsprechen.

It is hereby certified that the vehicles described under field of application satisfy the regulations of StVZO in the current version after modification and performed and confirmed modification acceptance, provided the conditions/notes given in the present TÜV approval are observed.

Die Firma BMW Group unterhält ein Qualitätsmanagementsystem nach ISO 9001: 2008 (Zertifikat-Registrier-Nr.: 12 100/104 27124 TMS).

The manufacturer BMW Group maintains a quality management system according to ISO 9001: 2008 (Certificate Registration No.: 12 100/104 27124 TMS).

Dieses Teilegutachten darf nur vom Hersteller und nur in vollem Wortlaut vervielfältigt und weitergegeben werden. / *The parts approval may only be reproduced and passed on by the manufacturer in its unabbreviated form.*

Das Teilegutachten verliert seine Gültigkeit bei technischen Änderungen am Fahrzeugteil oder wenn vorgenommene Änderungen an den beschriebenen Fahrzeugen die Verwendung des Teiles beeinflussen sowie bei Änderung der gesetzlichen Grundlagen.

The TÜV parts approval shall cease to be valid if technical modifications are made to the vehicle part or if modifications made to the vehicles described affect use of the part and in the case of any changes to the statutory specifications.

TÜV NORD Mobilität GmbH & Co. KG
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Akkreditiert nach / accredited to: DIN EN ISO/IEC 17025: D-PL-11109-01-00

Hannover, 28.07.2016
IFM/925/Bb



Obering. Dipl.-Ing. K.-D. Barbknecht