



NAVI update map



M Performance brake



Park Distance Control



Rear view camera



LCI rear lights



Display key, RCP



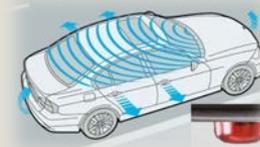
M Aerodynamics package



Trailer tow hitch



Stationary heating system including control systems



Alarm system



Headlights (Xenon, Laser, LED, LCI)

CA-91, 04/2019, Version 10

PARTS TECHNICAL SUPPORT CA-91. RECOMMENDED RETAIL PRICES (NET) FOR RETROFITS USING INDIVIDUAL PARTS.



RETROFIT USING INDIVIDUAL PARTS.

GENERAL INFORMATION.

- No installation tests have been carried out in relation to the products below for subsequent installation in the retailer organisation. Furthermore, no installation instructions can be provided. The retrofit is carried out under the responsibility of the dealership organisation.
- All prices and flat rate units (FRUs) listed are quoted exclusive of VAT and represent an average price. The final price estimate should be carried out by the retail company itself.
- Larger series, as well as the growing degree of vehicle-specific equipment, can incur higher costs.
- **Please note:** Wiring harness modules are specially approved for retrofitting using individual parts on an ad hoc basis and require a procurement period of up to 12 calendar weeks.
- Retrofits of options using individual parts that are safety-critical are not supported.
- The “vehicle order” is supplied by 2nd Level Support.
- If you are retrofitting one of the kits described here using individual parts, it is essential that you refer to **PuMa measure 63884461**.
- * Due to the complexity and diversity of the derivatives, the forced connections of the optional equipment may differ. Therefore, please check in your sales documents (salesperson manual, vehicle configurator, vehicle brochure) as to whether additional optional equipment items are required and, if this is the case, the coupled optional equipment must likewise be retrofitted.

RETROFIT USING INDIVIDUAL PARTS.

SAFETY-RELATED RETROFITS.

The following **special equipment options cannot** be retrofitted using individual parts for safety reasons:

- **SA 2VB** (Run flat indicator)
- **SA 5AS** (Driving Assistant)
- **SA 5AT** (Driving Assistant Plus)
- **SA 5DF** (Active cruise control incl. Stop / Start)
- **SA 5DP** (Parking manoeuvre assistant)
- **SA 5DV** (Remote-controlled parking)
- **SA 6AE** (Teleservices)
- **SA 6AC** (Intelligent emergency calling)
- **SA 2VS** (Executive Drive Pro)
- **SA 5AL** (Active Protection)
- **SA 7ME** (M Driver's Package)

RETROFIT COSTS FOR OPTIONAL EQUIPMENT USING INDIVIDUAL PARTS.

SA 248: STEERING WHEEL HEATING.

The average price for the retrofit using individual parts of **SA 248** is around **€2,200** (without retrofitting SA 249) and is made up as follows:

- ❖ **Parts costs** (RRP w/o VAT): **Average €1,900**
- ❖ **FRUs / retrofit:** **Average 24 FRUs**

Main components:

M sport steering wheel in leather, steering wheel electronics control unit, steering column adjustment switch

The following must be taken into account*:

- Retrofit SA 248 is only offered in combination with SA 249 (multifunction steering wheel).
- If SA 249 is not installed, it must also be retrofitted.



RETROFIT COSTS FOR OPTIONAL EQUIPMENT USING INDIVIDUAL PARTS.

SA 249: MULTI-FUNCTION FOR STEERING WHEEL.

The average price for the retrofit using individual parts of **SA 249** is around **€1,500** (including SA 544 and without instrument cluster) and is made up as follows:

- ❖ **Parts costs (RRP w/o VAT):** **Average € 1,200**
- ❖ **FRUs / retrofit:** **Average 24 FRUs**

Main components:

Multi-function steering wheel switch, instrument cluster, steering wheel connection cable

The following must be taken into account*:

- Retrofit SA 249 is only available in combination with SA 544.
- The instrument cluster must be installed on a vehicle-specific basis.
- The retrofit in combination with SA 5AS (Driving Assistant) and SA 5AT (Driving Assistant Plus) is not offered for safety reasons.



RETROFIT COSTS FOR OPTIONAL EQUIPMENT USING INDIVIDUAL PARTS.

SA 302: ANTI-THEFT ALARM SYSTEM.

The average price for the retrofit using individual parts of **SA 302** is around **€5,000** and is made up as follows:

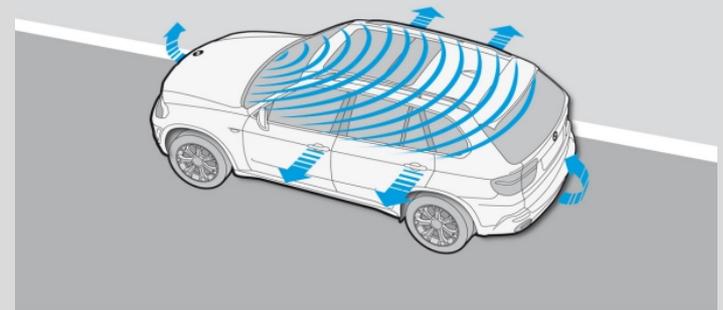
- ❖ **Parts costs (RRP w/o VAT):** **Average € 3,900**
- ❖ **FRUs / retrofit:** **Average 90 FRUs**

Main components:

Door locks, alarm system vehicle interior protection, interior mirrors, emergency siren with tilt alarm sensor, door wiring harnesses

The following must be taken into account*:

- From probably 08/2016 onwards, the retrofit of the alarm system will be offered using a special accessory product (SZ). More detailed information can be obtained from the product information, see EPC.



RETROFIT COSTS FOR OPTIONAL EQUIPMENT USING INDIVIDUAL PARTS.

SA 313: EXTERIOR REARVIEW MIRROR FOLD-IN FUNCTION.

The average price for the retrofit using individual parts of **SA 313** is around **€2,300** and is made up as follows:

- ❖ **Parts costs (RRP w/o VAT):** **Average € 1,600**
- ❖ **FRUs / retrofit:** **Average 60 FRUs**

Main components:

With interior mirror dimmer function, exterior rearview mirror, windscreen washer jets, mirror glass, door wiring harnesses, power window regulator



RETROFIT COSTS FOR OPTIONAL EQUIPMENT USING INDIVIDUAL PARTS.

SA 316: AUTOMATIC TAILGATE CONTROL.

The average price for the retrofit using individual parts of **SA 316** is around **€5,000** and is made up as follows:

- ❖ **Parts costs (RRP w/o VAT):** **Average € 3,600**
- ❖ **FRUs / retrofit:** **Average 120 FRUs**

Main components:

Hydraulics, front control unit, tailgate lock, front button, rear sensor

The following must be taken into account*:

- Depending on the car, this retrofit may not be offered with the M package.
- In view of the vehicle's high complexity and degree of resolution we do not recommend carrying out this retrofit.



RETROFIT COSTS FOR OPTIONAL EQUIPMENT USING INDIVIDUAL PARTS.

SA 322: COMFORT ACCESS.

The average price for the retrofit using individual parts of **SA 322** is around **€10,700** and is made up as follows:

- ❖ **Parts costs (RRP w/o VAT):** **Average € 9,000**
- ❖ **FRUs / retrofit:** **Average 144 FRUs**

Main components:

Main wiring harness, door wiring harnesses, door handles, antennas, warning signal generator, power distribution box, interior button for tailgate

The following must be taken into account*:

- In view of the vehicle's high complexity and degree of resolution we do not recommend carrying out this retrofit.



RETROFIT COSTS FOR OPTIONAL EQUIPMENT USING INDIVIDUAL PARTS.

SA 323: AUTOMATIC SOFT CLOSE.

The average price for the retrofit using individual parts of **SA 323** is around **€3,600** and is made up as follows:

- ❖ **Parts costs (RRP w/o VAT):** **Average € 2,500**
- ❖ **FRUs / retrofit:** **Average 90 FRUs**

Main components:

Door locks, system locks, wiring harnesses



RETROFIT COSTS FOR OPTIONAL EQUIPMENT USING INDIVIDUAL PARTS.

SA 416: ROLLER SUNBLINDS.

The average price for the retrofit using individual parts of SA 416 is around **€4,800** and is made up as follows:

- ❖ **Parts costs (RRP w/o VAT):** **Average € 4,500**
- ❖ **FRUs / retrofit:** **Average 24 FRUs**

Main components:

Roller sunblind, window frame cover, door control unit, door trim panels

The following must be taken into account*:

- Not available in all derivatives (see sales documents).
- Sun protection for side windows only (excluding rear windscreen).



RETROFIT COSTS FOR OPTIONAL EQUIPMENT USING INDIVIDUAL PARTS

SA 430: INTERIOR / EXTERIOR REARVIEW MIRRORS WITH AUTO-DIM FUNCTION.

The average price for the retrofit using individual parts of SA 430 is around **€2,800** and is made up as follows:

- ❖ **Parts costs (RRP w/o VAT):** **Average € 2,200**
- ❖ **FRUs / retrofit:** **Average 48 FRUs**

Main components:

Exterior rearview mirrors, mirror glass, door wiring harnesses, window regulator switch

The following must be taken into account*:

- SA 430 (auto-dim function) includes the fold-in function of the exterior rearview mirrors.
- If SA 431 (auto-dim interior mirror) is not installed, the interior mirror is also required.



RETROFIT COSTS FOR OPTIONAL EQUIPMENT USING INDIVIDUAL PARTS.

SA 431: AUTOMATICALLY DIMMING INTERIOR MIRROR.

The average price for the retrofit using individual parts of **SA 431** is around **€2,700** and is made up as follows:

- ❖ **Parts costs (RRP w/o VAT):** **Average € 2,500**
- ❖ **FRUs / retrofit:** **Average 12 FRUs**

Main components:

Interior mirror, wiring harnesses



RETROFIT COSTS FOR OPTIONAL EQUIPMENT USING INDIVIDUAL PARTS.

SA 459: ELECTRIC SEAT ADJUSTMENT WITH MEMORY.

The average price for the retrofit using individual parts of **SA 459** is around **€5,400** and is made up as follows:

- ❖ **Parts costs (RRP w/o VAT):** **Average € 4,600**
- ❖ **FRUs / retrofit:** **Average 66 FRUs**

Main components:

Seat frame, adjustment motors, FZD or BDC, seat modules



RETROFIT COSTS FOR OPTIONAL EQUIPMENT USING INDIVIDUAL PARTS.

SA 465: THROUGH-LOADING SYSTEM.

The average price for the retrofit using individual parts of **SA 465** is around **€3,100** and is made up as follows:

- ❖ **Parts costs (RRP w/o VAT):** **Average € 2,400**
- ❖ **FRUs / retrofit:** **Average 60 FRUs**

Main components:

Seat covers, backrest frame, backrest trim panels, foam components



RETROFIT COSTS FOR OPTIONAL EQUIPMENT USING INDIVIDUAL PARTS.

SA 481: SPORTS SEAT.

The average price for the retrofit using individual parts of **SA 481** is around **€3,300** (including removal and installation) and is made up as follows:

- ❖ **Parts costs (RRP w/o VAT):** **Average € 2,300**
- ❖ **FRUs / retrofit:** **Average 96 FRUs**

Main components:

Seat frame and backrest frame, upholstery parts, seat covers.
If the vehicle features standard equipment, the complete seat is included.

The following must be taken into account*:

- Seats must be completely removed and installed.
- If the series package is not used, SA 481 must be assembled using individual parts.



RETROFIT COSTS FOR OPTIONAL EQUIPMENT USING INDIVIDUAL PARTS.

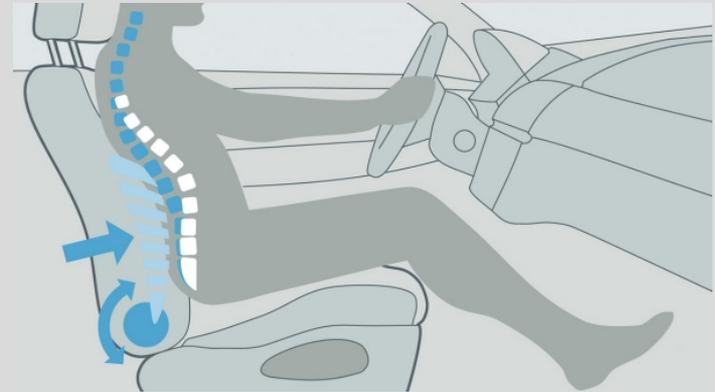
SA 488: LUMBAR SUPPORT FOR DRIVER AND FRONT PASSENGER.

The average price for the retrofit using individual parts of **SA 488** is around **€1,800** and is made up as follows:

- ❖ **Parts costs (RRP w/o VAT):** **Average € 900**
- ❖ **FRUs / retrofit:** **Average 72 FRUs**

Main components:

Lumbar pump and caution, seat cushion, seat wiring harness



RETROFIT COSTS FOR OPTIONAL EQUIPMENT USING INDIVIDUAL PARTS.

SA 494: DRIVER / PASSENGER SEAT HEATING (LEATHER VERSION).

The average price for the retrofit using individual parts of SA 494 is around **€4,500** and is made up as follows:

- ❖ **Parts costs (RRP w/o VAT):** **Average € 4,000**
- ❖ **FRUs / retrofit:** **Average 66 FRUs**

Main components:

Seat module, control panel for High climate control, heating element for seat, backrest and thigh support with sport or comfort seats, seat wiring harnesses

The following must be taken into account*:

- Depending on the individual vehicle equipment, the generator may need to be replaced.



RETROFIT COSTS FOR OPTIONAL EQUIPMENT USING INDIVIDUAL PARTS.

SA 494: DRIVER / PASSENGER SEAT HEATING (FABRIC VERSION).

The average price for the retrofit using individual parts of SA 494 is around **€3,000** and is made up as follows:

- ❖ **Parts costs (RRP w/o VAT):** **Average € 2,200**
- ❖ **FRUs / retrofit:** **Average 66 FRUs**

Main components:

Seat module, control panel for high climate control, heating element for seat, backrest and thigh support with sport or comfort seats, seat wiring harnesses

The following must be taken into account*:

- Depending on the individual vehicle equipment, the generator may need to be replaced.



RETROFIT COSTS FOR OPTIONAL EQUIPMENT USING INDIVIDUAL PARTS.

SA 508: PARK DISTANCE CONTROL (PDC).

The average price for the retrofit using individual parts of **SA 508** is around **€4,300** (without bumpers) and is made up as follows:

- ❖ **Parts costs (RRP w/o VAT):** **Average € 3,500**
- ❖ **FRUs / retrofit:** **Average 66 FRUs**

Main components:

Ultrasonic converter, cable sets (front/rear end), operating unit, rear entertainment (REM), junction box

The following must be taken into account*:

- The bumper may need to be replaced, depending on the vehicle.
- On all vehicles for which the ultrasonic converter is offered as an individual part in the EPC for replacement, the bumper does not need to be replaced.
- On cars that offer SA 508 (PDC) only in combination with SA 5DP (parking manoeuvre assistant), no retrofit is provided for safety reasons.



RETROFIT COSTS FOR OPTIONAL EQUIPMENT USING INDIVIDUAL PARTS.

SA 522: XENON LIGHT.

The average price for the retrofit using individual parts of **SA 522** is around **€5,200** and is made up as follows:

- ❖ **Parts costs (RRP w/o VAT):** **Average € 4,600**
- ❖ **FRUs / retrofit:** **Average 48 FRUs**

Main components:

Height level sensor, control rods, headlights, side panel & tailgate rear light



RETROFIT COSTS FOR OPTIONAL EQUIPMENT USING INDIVIDUAL PARTS.

SA 530: CLIMATE CONTROL SYSTEM.

The average price for the retrofit using individual parts of **SA 530** is around **€6,800** and is made up as follows:

- ❖ **Parts costs (RRP w/o VAT):** **Average € 4,700**
- ❖ **FRUs / retrofit:** **Average 180 FRUs**

Main components:

Heater core, climate control system operating unit, suction/pressure lines, climate control compressor, condenser, information labels

The following must be taken into account*:

- Filling for climate control system and refrigerant are not included in the price.



RETROFIT COSTS FOR OPTIONAL EQUIPMENT USING INDIVIDUAL PARTS.

SA 534: CLIMATE REGULATION UPGRADE TO AUTOMATIC CLIMATE CONTROL.

The average price for the retrofit using individual parts of SA 534 is around **€3,300** and is made up as follows:

- ❖ **Parts costs (RRP w/o VAT):** **Average € 2,000**
- ❖ **FRUs / retrofit:** **Average 108 FRUs**

Main components:

Heating/air conditioning unit, interior mirror, rain sensor, front windscreen, climate control operating unit, fresh air grille, centre console



The following must be taken into account*:

- If the air conditioning unit is still fitted as standard, the entire supplied package can be ordered using one purchase order.
- Outside series, the air conditioning unit must be put together with individual parts.

RETROFIT COSTS FOR OPTIONAL EQUIPMENT USING INDIVIDUAL PARTS.

SA 544 DYNAMIC CRUISE CONTROL.

The average price for the retrofit using individual parts of **SA 544** is around **€350** and is made up as follows:

- ❖ **Parts costs (RRP w/o VAT):** **Average € 230**
- ❖ **FRUs / retrofit:** **Average 12 FRUs**

Main components:

Multi-function steering wheel switch, steering wheel connection cable



The following must be taken into account*:

- The requirement is that a sport steering wheel is fitted in the car.
- For F60 (MINI Countryman) cars, the parts can be ordered direct in the EPC (for steering wheel connection cable, see BTE 32_2288; for multi-function sport steering wheel switch, see BTE 61_4808).

RETROFIT COSTS FOR OPTIONAL EQUIPMENT USING INDIVIDUAL PARTS.

SA 552: LED ADAPTIVE HEADLIGHT.

The average price for the retrofit using individual parts of **SA 552** is around **€4,300** and is made up as follows:

- ❖ **Parts costs (RRP w/o VAT):** **Average € 3,600**
- ❖ **FRUs / retrofit:** **Average 60 FRUs**

Main components:

Ride height sensor, light operating unit, left and right LED headlights, control unit, front light electronics

The following must be taken into account*:

- SA 524 (adaptive headlight) must not be fitted.
- Retrofit SA 522 is not available in combination with SA 524 (adaptive headlight).
- Depending on the car, the SA 552 retrofit may only be available with SA 5A1 (LED fog lights) and SA 5AC (high-beam assistant).



RETROFIT COSTS FOR OPTIONAL EQUIPMENT USING INDIVIDUAL PARTS.

SA 563: LIGHT PACKAGE/VANITY MIRROR WITH LIGHTS.

The average price for the retrofit using individual parts of SA 563 is around **€2,200** (excluding headlining) and is made up as follows:

- ❖ **Parts costs (RRP w/o VAT):** **Average € 1,500**
- ❖ **FRUs / retrofit:** **Average 60 FRUs**

Main components:

Vanity mirror lights, LED light fibre-optic cable, door entry light, ground lighting

The following must be taken into account*:

- The vanity mirror is not available separately as it is included in the package for SA 563.
- New headlining is also required.



RETROFIT COSTS FOR OPTIONAL EQUIPMENT USING INDIVIDUAL PARTS.

SA 601: TV FUNCTION.

The average price for the retrofit using individual parts of **SA 601** is around **€4,800** (without replacement of the side window) and is made up as follows:

- ❖ **Parts costs (RRP w/o VAT):** **Average € 3,800**
- ❖ **FRUs / retrofit:** **Average 84 FRUs**

Main components:

TV module, head unit, controller, control unit, antenna and TV amplifier, central information display, roof aerial

The following must be taken into account*:

- Depending on the vehicle, the fixed side window at the rear may need to be replaced.



RETROFIT COSTS FOR OPTIONAL EQUIPMENT USING INDIVIDUAL PARTS.

SA 606: BUSINESS NAVIGATION COMPUTER.

The average price for the retrofit using individual parts of **SA 606** is around **€5,100** (without retrofit of SA 6NS or SA 6NH) and is made up as follows:

- ❖ **Parts costs (RRP w/o VAT):** **Average € 4,200**
- ❖ **FRUs / retrofit:** **Average 72 FRUs**

Main components:

Head unit, controller, telematics control unit, enable code, roof aerial

The following must be taken into account*:

- Depending on the vehicle, retrofit SA 606 is only available with SA 6NH (hands-free device with USB interface) or SA 6NS (comfort telephony with extended smartphone connection).
- If one of these special equipment options is not installed, SA 6NH or SA 6NS must be retrofitted too.



RETROFIT COSTS FOR OPTIONAL EQUIPMENT USING INDIVIDUAL PARTS.

SA 609: PROFESSIONAL NAVIGATION COMPUTER.

The average price for the retrofit using individual parts of **SA 609** is around **€6,600** (without retrofit of SA 249, SA 6NH / SA 6NS) and is made up as follows:

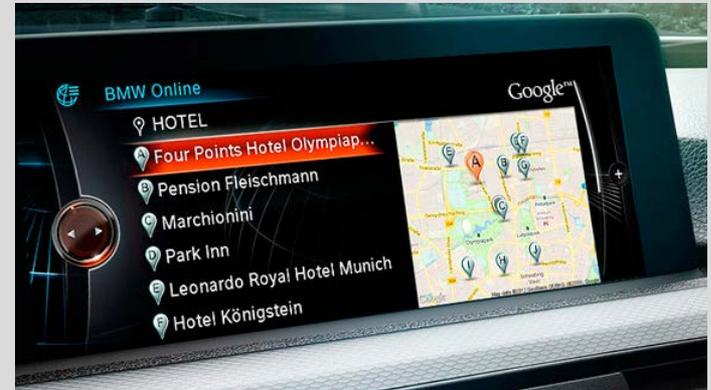
- ❖ **Parts costs (RRP w/o VAT):** **Average € 5,600**
- ❖ **FRUs / retrofit:** **Average 84 FRUs**

Main components:

Telematics control unit, control unit, head unit, central information display, controller, roof aerial

The following must be taken into account*:

- Depending on the vehicle, retrofit SA 609 is only available with SA 249 (multi-function steering wheel) and SA 6NH (hands-free device with USB interface) or SA 6NS (comfort telephony with extended smartphone connection).
- If any of these SA combinations are not installed, these special equipment options must be installed too.



RETROFIT COSTS FOR OPTIONAL EQUIPMENT USING INDIVIDUAL PARTS.

SA 610: HEAD-UP DISPLAY.

The average price for the retrofit using individual parts of **SA 610** is around **€7,100** (without retrofitting SA 521) and is made up as follows:

- ❖ **Parts costs (RRP w/o VAT):** **Average € 6,300**
- ❖ **FRUs / retrofit:** **Average 72 FRUs**

Main components:

Head-up display, front panel, head-up display instrument panel, sound insulation, sensors: rain, light, solar and condensation

The following must be taken into account*:

- For the retrofit of SA 610, SA 521A (rain sensor) must be installed in the vehicle or also be retrofitted.
- SA 3AP (windscreen with grey shade band) must not be installed.
- A new windscreen is required for large series.



RETROFIT COSTS FOR OPTIONAL EQUIPMENT USING INDIVIDUAL PARTS.

SA 650: CD DRIVE.

The average price for the retrofit using individual parts of **SA 650** is around **€1,600** (without retrofit of SA 6FW or SA 609) and is made up as follows:

- ❖ **Parts costs (RRP w/o VAT):** **Average € 1,100**
- ❖ **FRUs / retrofit:** **Average 42 FRUs**

Main components:

Audio control unit

The following must be taken into account*:

- Essential for the retrofit of SA 650 is SA 6FW (Media) or SA 609 (Professional navigation computer).
- If any of these special equipment options are not installed, these must be installed too.



RETROFIT COSTS FOR OPTIONAL EQUIPMENT USING INDIVIDUAL PARTS.

SA 654: DAB TUNER.

The average price for the retrofit using individual parts of **SA 654** is around **€3,600** and is made up as follows:

- ❖ **Parts costs (RRP w/o VAT):** **Average € 3,000**
- ❖ **FRUs / retrofit:** **Average 48 FRUs**

Main components:

Head unit, aerial, kite aerial, amplifier



RETROFIT COSTS FOR OPTIONAL EQUIPMENT USING INDIVIDUAL PARTS.

SA 688: HARMAN/KARDON SURROUND SOUND SYSTEM.

The average price for the retrofit using individual parts of **SA 688** is around **€3,400** (excluding head unit) and is made up as follows:

- ❖ **Parts costs (RRP w/o VAT):** **Average € 2,600**
- ❖ **FRUs / retrofit:** **Average 66 FRUs**

Main components:

Door, instrument panel and mirror triangular speakers, amplifier, door wiring harness

The following must be taken into account*:

- Depending on the car, a new head unit may be required.
- A total of 16 speakers are fitted for retrofitting SA 688.



RETROFIT COSTS FOR OPTIONAL EQUIPMENT USING INDIVIDUAL PARTS.

SA 710: M LEATHER STEERING WHEEL.

The average price for the retrofit using individual parts of **SA 710** is around **€2,200** and is made up as follows:

- ❖ **Parts costs (RRP w/o VAT):** **Average € 2,000**
- ❖ **FRUs / retrofit:** **Average 18 FRUs**

Main components:

M leather steering wheel, trim panels, steering wheel connection line, driver's side airbag module



RETROFIT COSTS FOR OPTIONAL EQUIPMENT USING INDIVIDUAL PARTS.

SA 1AG: LARGER FUEL TANK.

The average price for the retrofit using individual parts of **SA 1AG** is around **€1,500** (excluding head unit) and is made up as follows:

- ❖ **Parts costs (RRP w/o VAT):** **Average € 1,100**
- ❖ **FRUs / retrofit:** **Average 36 FRUs**

Main components:

Fuel tank with add-on parts

The following must be taken into account*:

- Price is calculated without fuel extraction unit.
- Not available in all derivatives (see sales documents).



RETROFIT COSTS FOR OPTIONAL EQUIPMENT USING INDIVIDUAL PARTS.

SA 2TB: STEPTRONIC SPORT TRANSMISSION.

The average price for the retrofit using individual parts of **SA 2TB** is around **€2,100** and is made up as follows:

- ❖ **Parts costs (RRP w/o VAT):** **Average € 1,800**
- ❖ **FRUs / retrofit:** **Average 18 FRUs**

Main components:

Steering wheel, steering wheel cable set, trim panels, shift paddles

The following must be taken into account*:

- Steering wheel is absolutely necessary (cut-out for shift paddles).



RETROFIT COSTS FOR OPTIONAL EQUIPMENT USING INDIVIDUAL PARTS.

SA 3AG: REAR-VIEW CAMERA.

The average price for the retrofit using individual parts of **SA 3AG** is around **€2,900** and is made up as follows:

- ❖ **Parts costs (RRP w/o VAT):** **Average € 2,200**
- ❖ **FRUs / retrofit:** **Average 60 FRUs**

Main components:

Rear view camera, incl. wiring harness, control unit for rear-view camera, Body Domain Controller (BDC), repair cable for tailgate



The following must be taken into account*:

- For the retrofit of SA 3AG, SA 508 (Park Distance Control) must be installed in the vehicle or must be retrofitted in addition.
- Not available for G01.

RETROFIT COSTS FOR OPTIONAL EQUIPMENT USING INDIVIDUAL PARTS.

SA 3AR: REAR CARRIER PREPARATION.

The average price for the retrofit using individual parts of **SA 3AR** is around **€1,050** and is made up as follows:

- ❖ **Parts costs (RRP w/o VAT):** **Average €600**
- ❖ **FRUs / retrofit:** **Average 36 FRUs**

Main components:

Bumper add-on parts, socket, control unit, cable set



RETROFIT COSTS FOR OPTIONAL EQUIPMENT USING INDIVIDUAL PARTS.

SA 4UR: AMBIENT LIGHT.

The average price for the retrofit using individual parts of SA 4UR is around **€4,700** and is made up as follows:

- ❖ **Parts costs (RRP w/o VAT):** **Average € 4,000**
- ❖ **FRUs / retrofit:** **Average 60 FRUs**

Main components:

Decorative trims, I-panel trim panel, function centre, LED module, door trim panels

The following must be taken into account*:

- LEDs partly bonded to door trim, cannot be replaced individually.



RETROFIT COSTS FOR OPTIONAL EQUIPMENT USING INDIVIDUAL PARTS.

SA 4V9: MINI EXCITEMENT PACKAGE.

The average price for the retrofit using individual parts of **SA 4V9** is around **€2,000** (without retrofitting SA 563) and is made up as follows:

- ❖ **Parts costs (RRP w/o VAT):** **Average € 1,300**
- ❖ **FRUs / retrofit:** **Average 60 FRUs**

Main components:

Exterior rearview mirror, LED interior light and module, door wiring harnesses, radio and air conditioning control fibre optic cable

The following must be taken into account*:

- Retrofit SA 4V9 is only offered in combination with SA 563 (light package/vanity mirror with lights).
- If SA 563 is not installed, it must also be retrofitted.
- Retrofit SA 4V9 is also not offered in combination with SA 405 (chrome-plated exterior rearview mirrors).



RETROFIT COSTS FOR OPTIONAL EQUIPMENT USING INDIVIDUAL PARTS.

SA 5A1: LED FOG LIGHT.

The average price for the retrofit using individual parts of **SA 5A1** is around **€1,800** and is made up as follows:

- ❖ **Parts costs (RRP w/o VAT):** **Average € 1,200**
- ❖ **FRUs / retrofit:** **Average 36 FRUs**

Main components:

Fog light, light operating unit

The following must be taken into account*:

- Depending on the car, the S552A (adaptive LED headlights) or S5A2A (LED headlights with extended scopes) must be installed or retrofitted in the car.



RETROFIT COSTS FOR OPTIONAL EQUIPMENT USING INDIVIDUAL PARTS.

SA 5A4: LED HEADLIGHTS WITH EXTENDED FUNCTIONS.

The average price for the retrofit using individual parts of **SA 5A4** is around **€4,900** (without retrofitting SA 521) and is made up as follows:

- ❖ **Parts costs (RRP w/o VAT):** **Average € 4,200**
- ❖ **FRUs / retrofit:** **Average 60 FRUs**

Main components:

Ride height sensor, light control unit, LED headlights, left and right, control unit, front light electronics

The following must be taken into account*:

- Retrofit SA 5A4 is only available in combination with SA 521 (rain sensor).
- If SA 521 is not installed, it must also be retrofitted.



RETROFIT COSTS FOR OPTIONAL EQUIPMENT USING INDIVIDUAL PARTS.

SA 5AC: HIGH-BEAM LIGHT ASSISTANT.

The average price for the retrofit using individual parts of **SA 5AC** is around **€1,900** (excluding windscreen, SA 521, SA 430/431) and is made up as follows:

- ❖ **Parts costs (RRP w/o VAT):** **Average € 1,600**
- ❖ **FRUs / retrofit:** **Average 24 FRUs**

Main components:

Interior mirror, control unit, KAFAS, KAFAS camera

The following must be taken into account*:

- To retrofit SA 5AC, SA 521 (rain sensor) and SA 430/SA 431 (interior/exterior rearview mirror with automatic dimming or interior mirror with automatic dimming) must be installed in the car or must also be retrofitted.
- Depending on the vehicle, the windscreen may have to be replaced.



RETROFIT COSTS FOR OPTIONAL EQUIPMENT USING INDIVIDUAL PARTS.

SA 5DL: SURROUND VIEW.

The average price for the retrofit using individual parts of SA 5DL is around **€6,800** and is made up as follows:

- ❖ **Parts costs (RRP w/o VAT):** **Average € 5,400**
- ❖ **FRUs / retrofit:** **Average 120 FRUs**

Main components:

Surround View camera, control unit, exterior rearview mirrors, centre console operating unit, cable sets, rear-view camera

The following must be taken into account*:

- If the S3AGA (rear-view camera) is already installed, part costs and FRUs are reduced.



RETROFIT COSTS FOR OPTIONAL EQUIPMENT USING INDIVIDUAL PARTS.

SA 6AK: CONNECTEDDRIVE.

The average price for the retrofit using individual parts of **SA 6AK** is shown in the ConnectedDrive store.



The following must be taken into account*:

- The option can be ordered through the ConnectedDrive store (depending on the car). The prices are shown in the store (if the ConnectedDrive store is not available in a market, please submit an enquiry using PuMA).
- If the customer has not yet set up a ConnectedDrive account, he must do so at www.bmw-connecteddrive.com.
- The requirement is that options SA 6AE and SA 6AC have been installed in the car.
- These two retrofits (SA 6AE/SA 6AC) cannot be installed using individual parts for safety reasons.

RETROFIT COSTS FOR OPTIONAL EQUIPMENT USING INDIVIDUAL PARTS.

SA 6CP: APPLE CARPLAY PREPARATION.

The average price for the retrofit using individual parts of **SA 6CP** is shown in the ConnectedDrive store.



The following must be taken into account*:

- The option can be ordered through the ConnectedDrive store (depending on the car). The prices are shown in the store (if the ConnectedDrive store is not available in a market, please submit an enquiry using PuMA).
- If the customer has not yet set up a ConnectedDrive account, he must do so at www.bmw-connecteddrive.com.

RETROFIT COSTS FOR OPTIONAL EQUIPMENT USING INDIVIDUAL PARTS.

SA 6FR: REAR ENTERTAINMENT EXPERIENCE.

The average price for the retrofit using individual parts of **SA 6FR** is around **€12,000** (only parts, excl. installation!) and is made up as follows:

- ❖ **Parts costs (RRP w/o VAT):** **Average €12,000**
- ❖ **FRUs / retrofit:** **Average**

Main components:

Rear screens, remote control, wiring harnesses

The following must be taken into account*:

- Due to the high complexity of the retrofit, we refrain from creating the parts list and ask for the vehicle to be sent to Dingolfing.



RETROFIT COSTS FOR OPTIONAL EQUIPMENT USING INDIVIDUAL PARTS.

SA 6FP: RADIO MINI VISUAL BOOST.

The average price for the retrofit using individual parts of **SA 6FP** is around **€6,000** and is made up as follows:

- ❖ **Parts costs (RRP w/o VAT):** **Average €5,500**
- ❖ **FRUs / retrofit:** **Average 40 FRUs**

Main components:

Central information display, controller, instrument panel, wiring harnesses, head unit



RETROFIT COSTS FOR OPTIONAL EQUIPMENT USING INDIVIDUAL PARTS.

SA 6NE: EXTENDED BLUETOOTH MOBILE PHONE PREPARATION.

The average price for the retrofit using individual parts of **SA 6NE** is around **€2,800** (excluding SA 609/SA 6FP, SA 249, SA 473) and is made up as follows:

- ❖ **Parts costs** (RRP w/o VAT): **Average € 2,200**
- ❖ **FRUs / retrofit:** **Average 54 FRUs**

Main components:

Microphone, antenna, base plate

The following must be taken into account*:

- Retrofitting SA 6NE is only available in combination with SA 609/SA 6FP (Professional navigation computer or MINI Visual Boost radio) and SA 249 (multifunction for steering wheel) and SA 473 (front armrest).
- If any of these SA combinations are not installed, these options must be installed as well.



RETROFIT COSTS FOR OPTIONAL EQUIPMENT USING INDIVIDUAL PARTS.

SA 6NH: HANDS-FREE DEVICE WITH USB INTERFACE.

The average price for the retrofit using individual parts of **SA 6NH** is around **€1,900** and is made up as follows:

- ❖ **Parts costs (RRP w/o VAT):** **Average € 1,300**
- ❖ **FRUs / retrofit:** **Average 48 FRUs**

Main components:

Microphone of hands-free system, audio operating unit, USB wiring harness, music adapter, AUX-IN socket



RETROFIT COSTS FOR OPTIONAL EQUIPMENT USING INDIVIDUAL PARTS.

SA 6NR: APPS.

The average price for the retrofit using individual parts of **SA 6NR** is around **€2,300** (without retrofitting SA 609/ SA 6FW) and is made up as follows:

- ❖ **Parts costs** (RRP w/o VAT): **Average € 1,800**
- ❖ **FRUs / retrofit:** **Average 36 FRUs**

Main components:

Replacement audio player cable, USB jack

The following must be taken into account*:

- Retrofit SA 6NR is only available in combination with SA 609/SA 6FW (Professional or Media navigation computer).
- If any of these options are not installed, these must be installed as well.
- SA 6AE (Teleservices) must not be fitted.
- Depending on the car, a new head unit may be required.



RETROFIT COSTS FOR OPTIONAL EQUIPMENT USING INDIVIDUAL PARTS.

SA 6NS: COMFORT TELEPHONY WITH EXTENDED SMARTPHONE CONNECTION.

The average price for the retrofit using individual parts of **SA 6NS** is around **€4,100** (without head unit, SA 473, SA 606/SA 609) and is made up as follows:

- ❖ **Parts costs (RRP w/o VAT):** **Average € 3,300**
- ❖ **FRUs / retrofit:** **Average 72 FRUs**

Main components:

Telematics control unit, roof aerial, hands-free system microphone, audio control panel, base plate, controller



The following must be taken into account*:

- Essential for the retrofit of SA 6NS is SA 473 (front arm rest).
- Depending on the vehicle, SA 606 (Business navigation computer) or SA 609 (Professional navigation computer) must also be installed in the vehicle.
- If the requirements set out above are not met, the special equipment options must also be installed.
- Depending on the individual vehicle equipment, a new head unit may also be required.
- Depending on the vehicle series it is possible that SA 606 or SA 609 may not be essential.

RETROFIT COSTS FOR OPTIONAL EQUIPMENT USING INDIVIDUAL PARTS.

SA 6NW: TELEPHONY WITH WIRELESS CHARGING.

The average price for the retrofit using individual parts of SA 6NW is around **€950** and is made up as follows:

- ❖ **Parts costs (RRP w/o VAT):** **Average € 650**
- ❖ **FRUs / retrofit:** **Average 30 FRUs**

Main components:

Basic cradle, charger, LTE compensator



The following must be taken into account*:

- The equipment with USB may have to be fitted separately depending on the car.

RETROFIT COSTS FOR OPTIONAL EQUIPMENT USING INDIVIDUAL PARTS.

SA 6WD: WI-FI HOTSPOT.

The average price for the retrofit using individual parts of **SA 6WD** is around **€1,600** and is made up as follows:

- ❖ **Parts costs (RRP w/o VAT):** **Average € 1,400**
- ❖ **FRUs / retrofit:** **Average 12 FRUs**

Main components:

Telematics control unit, wiring harness



RETROFIT COSTS FOR OPTIONAL EQUIPMENT USING INDIVIDUAL PARTS.

SA 8TH: SPEED LIMIT INFO (SOFTWARE RETROFIT).

The average price for the retrofit using individual parts of **SA 8TH** is around **€400** and is made up as follows:

- ❖ **Parts costs (RRP w/o VAT):** **Average € 285**
- ❖ **FRUs / retrofit:** **Average 6 FRUs**

Main components:

IBAC code (part number 65 50 2 184 753) and FSC code (part number 66 50 2 444 948) required.

The following must be taken into account*:

- The following requirements (hardware or special equipment) are already installed in the vehicle: SA 5AD (lane departure warning), or SA 5DF (active cruise control including Stop / Start), or SA 5AS (Driving Assistant) or SA 5AT (Driving Assistant Plus).
- By ordering the IBAC code and FSC code (required for coding the vehicle), SA 8TH can be retrofitted.

Additional note:

For cars without the pre-requisites set out above, a retrofit can be made possible through the subsequent installation of individual parts; see next page.



RETROFIT COSTS FOR OPTIONAL EQUIPMENT USING INDIVIDUAL PARTS.

SA 8TH: SPEED LIMIT INFO (HARDWARE & SOFTWARE RETROFIT).

The average price for the retrofit using individual parts of **SA 8TH** is around **€3,700** and is made up as follows:

- ❖ **Parts costs (RRP w/o VAT):** **Average € 3,000**
- ❖ **FRUs / retrofit:** **Average 60 FRUs**

Main components:

Interior mirror, KAFAS camera and control unit, instrument cluster, front windscreen, activation code and IBAC code



The following must be taken into account*:

- The requirements in the car for the retrofit of SA 8TH are SA 5AD (lane departure warning), or SA 5DF (active cruise control including Stop / Start), or SA 5AS (Driving Assistant) or SA 5AT (Driving Assistant Plus).
- If these pre-requisites are not in place, lane departure warning (SA 5AD) must be installed.
- SA 3AP (grey top-tint front windscreen) and SA 358 (climate comfort front windscreen) must not be installed.
- Retrofits SA 5DF (active cruise control including Stop / Start), SA 5AS (Driving Assistant) or SA 5AT (Driving Assistant Plus) are not offered for safety reasons.