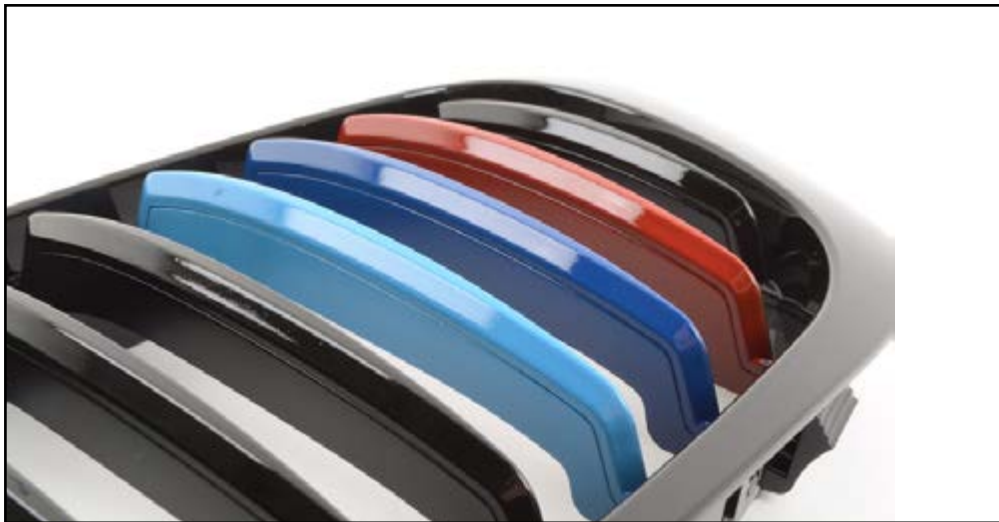




BMW E46 Blackout Kidney Grille Installation Instructions



Proper service and repair procedures are vital to the safe, reliable operation of all motor vehicles as well as the personal safety of those performing the repairs. Standard safety procedures and precautions (including use of safety goggles and proper tools and equipment) should be followed at all times to eliminate the possibility of personal injury or improper service which could damage the vehicle or compromise its safety.

INTRODUCTION

ECS Tuning Blackout Kidney Grilles for your BMW E46

Replace the old and worn grilles, or just add style and individuality to your BMW E46 in only a few minutes of your time by installing our ECS Tuning Blackout Grilles: Our line of grilles offer the following features:

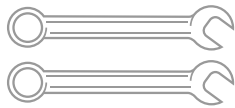
- Constructed of durable, impact resistant, 100% ABS plastic
- Simple Installation, requiring only one small flat blade screwdriver
- Perfect Fit
- Available in four different finishes

EASY



**BASIC SKILLS
REQUIRED**

MODERATE



**SOME EXPERIENCE
RECOMMENDED**

ADVANCED



**ADVANCED SKILLS &
EXPERIENCE REQUIRED**

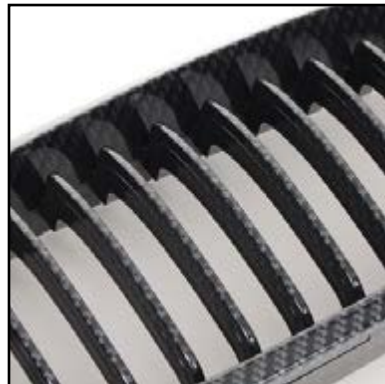
PROFESSIONAL



**PROFESSIONAL SKILLS &
SPECIALTY TOOLS REQUIRED**



Gloss Black



Carbon Fiber Look



Gloss Black Tri Color



Matte Black

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INSTALLATION NOTES

- **RH** refers to the passenger side of the vehicle.
- **LH** refers to the driver side of the vehicle.
- Always use the proper torque specifications.
- If applicable to this installation, torque specifications will be listed throughout the document and at the end as well.
- Please read all of these instructions and familiarize yourself with the complete process **BEFORE** you begin.

GENERAL PREPARATION AND SAFETY INFORMATION

ECS Tuning cares about your health and safety. Please read the following safety information. This information pertains to automotive service in general, and while it may not pertain to every job you do, please remember and share these important safety tips.

- Park your car in a safe, well lit, level area.
- Shut the engine off and remove the key from the ignition switch.
- Make sure any remote start devices are properly disabled.
- **ALWAYS** wear safety glasses.
- Make sure the parking brake is applied until the vehicle is safely lifted and supported.
- If using an automotive lift, be sure and utilize the factory specified lift points. Lifting a vehicle in an incorrect location can cause damage to the suspension/running gear.
- When lifting a vehicle using a jack, always utilize the factory specified lift points. Lifting a vehicle in an incorrect location can cause damage to the suspension/running gear. **ALWAYS** support the vehicle with jack stands.
- Always read and follow all safety information and warnings for the equipment you are using.



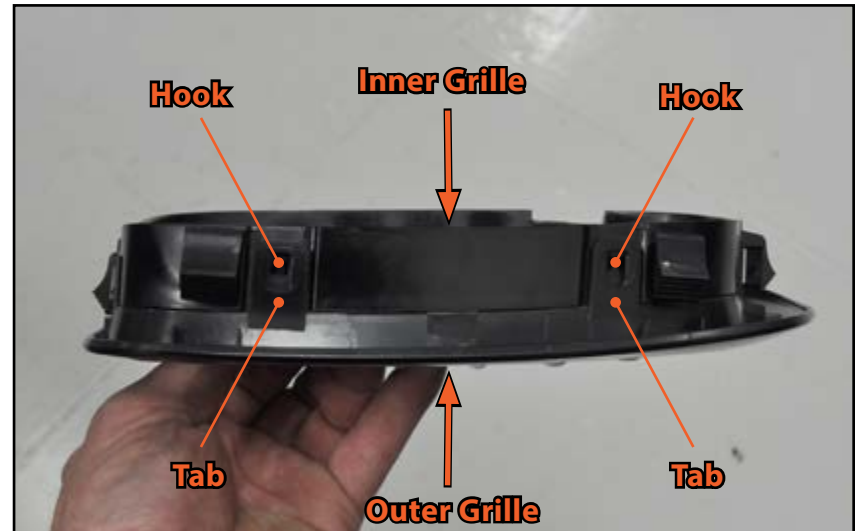
Never get underneath a vehicle that is supported only by a jack. Always make sure that the vehicle is securely supported on jack stands.

INSTALLING THE NEW BLACKOUT KIDNEY GRILLES

Step 1:

To begin, unpack your new kidney grilles and inspect them. This will give you an understanding of how they are installed. The inner and outer parts of the grille actually “sandwich” the hood in between and lock together using six tabs on the outer grille and six hooks on the inner grille.

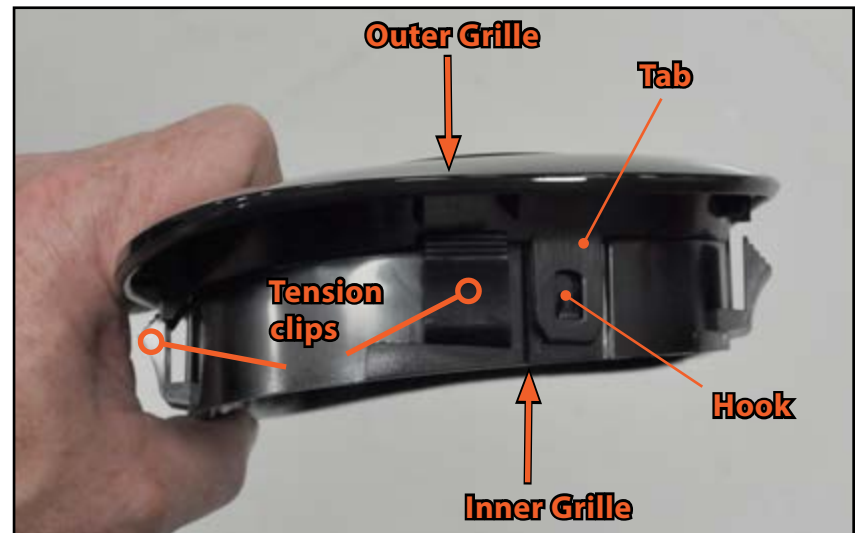
Viewing the top or bottom of the new grilles, you will see two tabs on the outer grille and two hooks on the inner grille.



Step 2:

Viewing either side of the new grilles, you will see one tab on the outer grille and one hook on the inner grille.

You will also see six tension clips attached to the inner grille around the perimeter. These clips are what keeps the grilles tight in the hood.



INSTALLING THE NEW BLACKOUT KIDNEY GRILLES

Step 3: Small Flat Blade Screwdriver

Open the hood on your car and locate the six tabs around the perimeter of each outer grille. Gently pry each of the tabs off the hooks on the inner grille, then separate the two and remove them from the car.



Step 4:

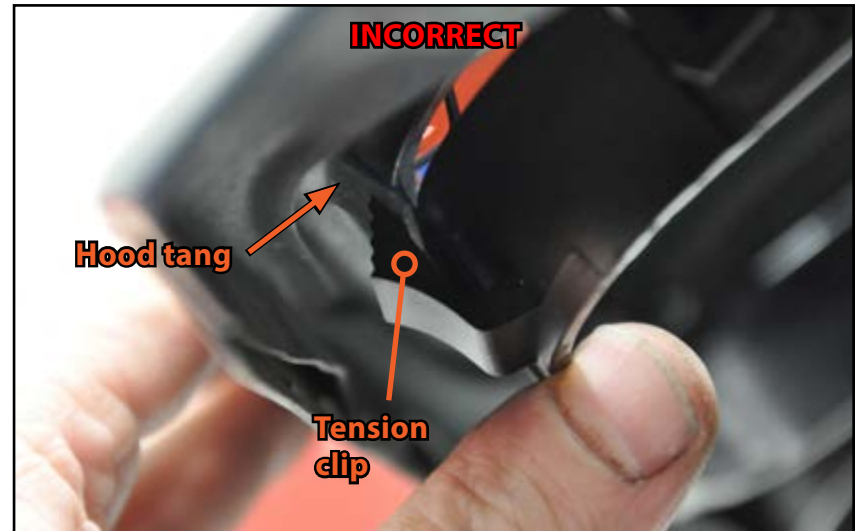
Separate the new grilles, then hold the outer grille in place on the hood and push the inner grille onto the backside until all six tabs are engaged onto the hooks.



INSTALLING THE NEW BLACKOUT KIDNEY GRILLES

Step 5:

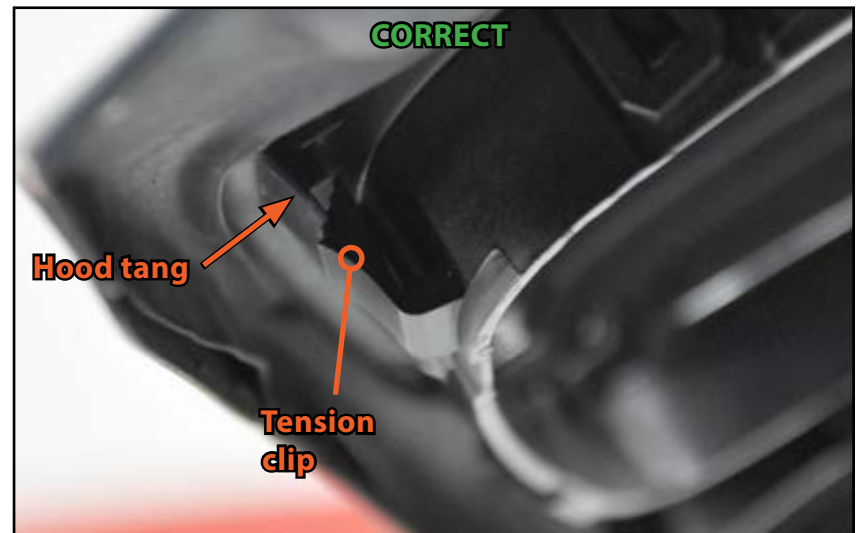
Check the location of each of the tension clips. The picture on the right shows the tension clip on the outside of the metal tang on the hood. This is **INCORRECT**. If you find this, separate the two halves of the grille and reinstall them making sure the stepped face of the tension clips are contacting the end of each hood tang.



Step 6:















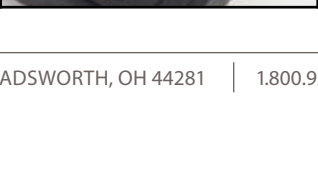
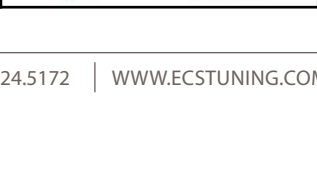
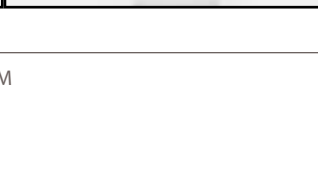
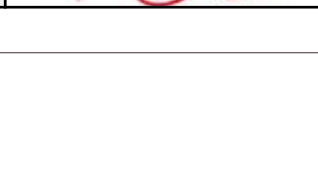
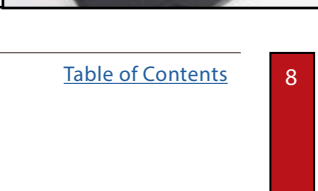
This picture shows the correct installation position of the tension clips. The stepped face of each clip should be in contact with the end of each hood tang.

Once you have verified the correct installation position of each tension clip, check the tab/hook engagement around the perimeter of the grille, and your installation is complete.



SCHWABEN - BUILD THE ULTIMATE TOOL COLLECTION

At ECS Tuning, we carry a line of high quality Schwaben Tools and Equipment to help you build your ultimate tool collection. Never before has affordability and quality been so closely related. Our entire Schwaben line is subjected to strict in house testing for strength and durability. See what we have to offer and equip your garage without breaking the bank.

					
	Breaker Bar	Scraper, Hook, & Pick Set	Sockets		
	Creepers	Camshaft Tools	E-Drive Sockets		
	Gloves	Fan Clutch Wrenches	Car Ramps		
	Engine Bars	Tie Rod Tools	Torx Drivers		
	Screwdrivers	Brake Fluid Catch Bottle	Jack Stands		
	Pressure Bleeders	Tubing Cutter	Circuit Tester		
	Lighting	Booster Cables	Ratchets		
	Pry Bars	Oil Filter Tools	Exhaust Hanger Pliers		
	Coil Spring Compressors	Service Carts	Bubble Flaring Tool		
	Camber Gauge	Battery Charger	Thread Chaser		
	Hose Pinch Pliers	Stethoscope	Drain Pans		
	Wheel Bolt Pattern Gauge	Battery Terminal Brush	Wrenches		
	Ball Joint Separator	Wheel Chocks	Impact Sockets		
	Vanos Solenoid Socket	Torx Sockets	Torque Wrenches		
					

Your BMW E46 Kidney Grille installation is complete!



These instructions are provided as a courtesy by ECS Tuning

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