ST TRACKPARTS

INSTALLATION GUIDE

BMW E36

OIL COOLER SHROUD KIDNEY DUCT



DIFFICULTY	EST. TIME	TOOLS	PART NO
Intermediate	15-45 Minutes		

PACKAGE CONTENTS & REQUIRED TOOLS.

A quick pre-flight check before tools come out. Confirm every part is in the box and gather the tools listed below.

PACKAGE CONTENTS

KIDNEY-SIDE SHROUD HALF	×1
OIL-COOLER-SIDE SHROUD HALF	×1
MOUNTING BRACKETS	×2
M6 × 16 BOLTS + RING + NUT	×2
M5 × 12 BOLTS	×6
M5 RINGS	×6

TIP **For an easier install we recommend removing the front bumper.** Working with the bumper in place is possible, but bolt access — particularly on the oil-cooler side — is significantly tighter. Add roughly 15 minutes for bumper removal.

COVER PANEL & MOUNTING BRACKETS.

01

REMOVE THE COVER PANEL

Detach the radiator-area cover panel. Set the panel and its fasteners aside — you will reinstall (and, for 6-cyl, modify) this panel later in Step 8.

FIG. 01 · COVER PANEL



02

INSTALL THE MOUNTING BRACKETS

Thread each **M6 bolt** through the bracket and into the captive nut on the chassis support. **Do not tighten fully yet** — the brackets need to float so the shroud can self-align in later steps.

FIG. 02 · BRACKETS, LOOSELY FITTED



SLIDE IN THE SHROUD HALVES.

03 SLIDE IN THE KIDNEY SIDE

Feed the kidney-side half in from below the kidney grill panel. And hold it against the Kidney Panel from the inside

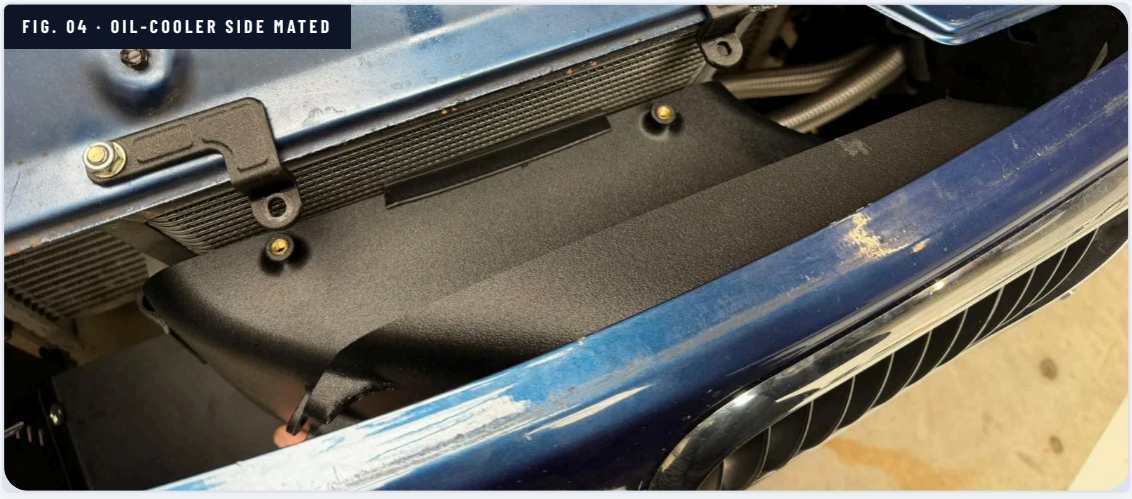
FIG. 03 · KIDNEY SIDE SEATED



04 SLIDE IN THE OIL-COOLER SIDE

Bring the oil-cooler-side half in from below. Mate it to the kidney-side half so the flanges overlap at the centerline. Hold or prop it in position before moving on to Step 5.

FIG. 04 · OIL-COOLER SIDE MATED



JOIN THE HALVES & LINE UP THE BRACKETS.

05

CHECK ALIGNMENT & INSTALL THE M5 BOLTS

Confirm the bolt holes between the two shroud halves line up at the centerline flange. **Start every bolt loosely** — thread all of them before snugging any one down. Once all M5 bolts are started, work them down one by one in a star pattern.


FIG. 05 · ALL M5 BOLTS STARTED

06

LINE SHROUD UP WITH THE BRACKETS

With both halves joined, lift the assembly to meet the mounting brackets from Step 2. Align the bracket holes through the shroud, then install the remaining **M5 bolt** on each side.


FIG. 06 · BRACKET BOLT INSTALLED

FINAL TORQUE ON THE BRACKET BOLTS.

07

TIGHTEN THE M6 BOLTS FROM STEP 2

With the shroud joined and aligned to its brackets, return to the **M6 bracket bolts** you left finger-tight in Step 2 and bring them to full torque.

Once the M6s are done, re-check every M5 you snugged in Steps 5 – 6 and bring those to final torque as well.

FIG. 07A · TORQUE ON M6 BRACKET BOLTS

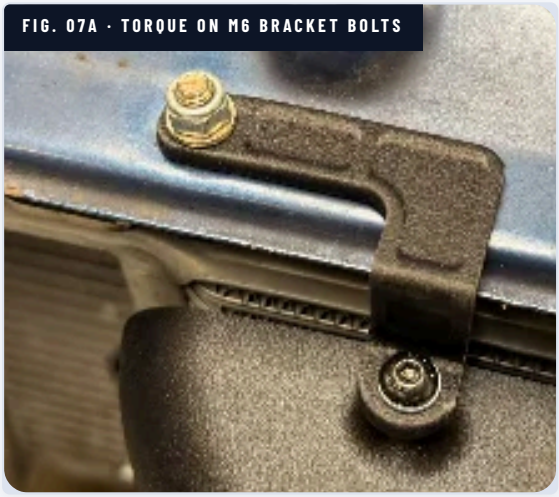
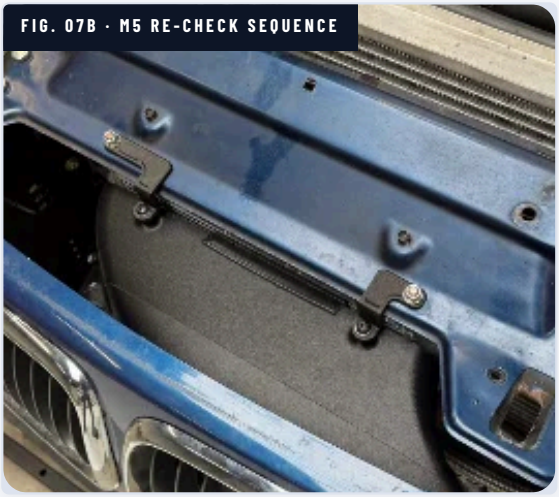


FIG. 07B · M5 RE-CHECK SEQUENCE



STEP 08 · COVER PLATE

REINSTALL THE COVER PLATE.

The shroud itself is installed. The 6-cylinder cover plate with alternator cooling requires three small modifications below. The 4-cylinder cover plate reinstalls as-is.

4-CYLINDER

NO MOD

Reinstall the original cover plate as-is. Skip sub-steps 8.1 – 8.3.

6-CYLINDER

MODIFY 8.1 - 8.3

The factory alternator-cooling duct interferes with the new shroud. Perform sub-steps 8.1 – 8.3 below before reinstalling.

8.1 DRILL OUT THE FOUR GLUE SPOTS

Use a 5 mm bit; drill only until the bonded section releases. Do not push through the back face of the plate.

8.2 CUT OFF THE REMAINING DUCT

Trim flush to the plate using a Dremel or rotary cutter, then deburr the cut edge.

8.3 CUT OFF THE RIGHT-SIDE FIN

Remove the right-hand fin in full so the modified plate clears the new shroud opening on reinstall.

FIG. 8.1



FIG. 8.2



FIG. 8.3



FIG. 8.1 DRILL FIG. 8.2 CUT FIG. 8.3 FIN

SECTION 06 · FINISHED

FINAL

✓ ALL STEPS COMPLETE

INSTALLATION DONE

Reinstall the (modified, if 6-cyl) cover plate, then take a short low-load drive and make sure everything is still in place.

THANK YOU

FROM EVERYONE AT ST-TRACKPARTS.

We appreciate you trusting us with your build. Enjoy the cooler oil temps — and have a great drive.

NEED HELP?

WE'RE HERE FOR YOU.

If there are any problems or you need any help, reach out — we'll get back to you fast.

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