

Step-by-step procedure of OEM LED tail light (MY09-) to 2006-08 W164

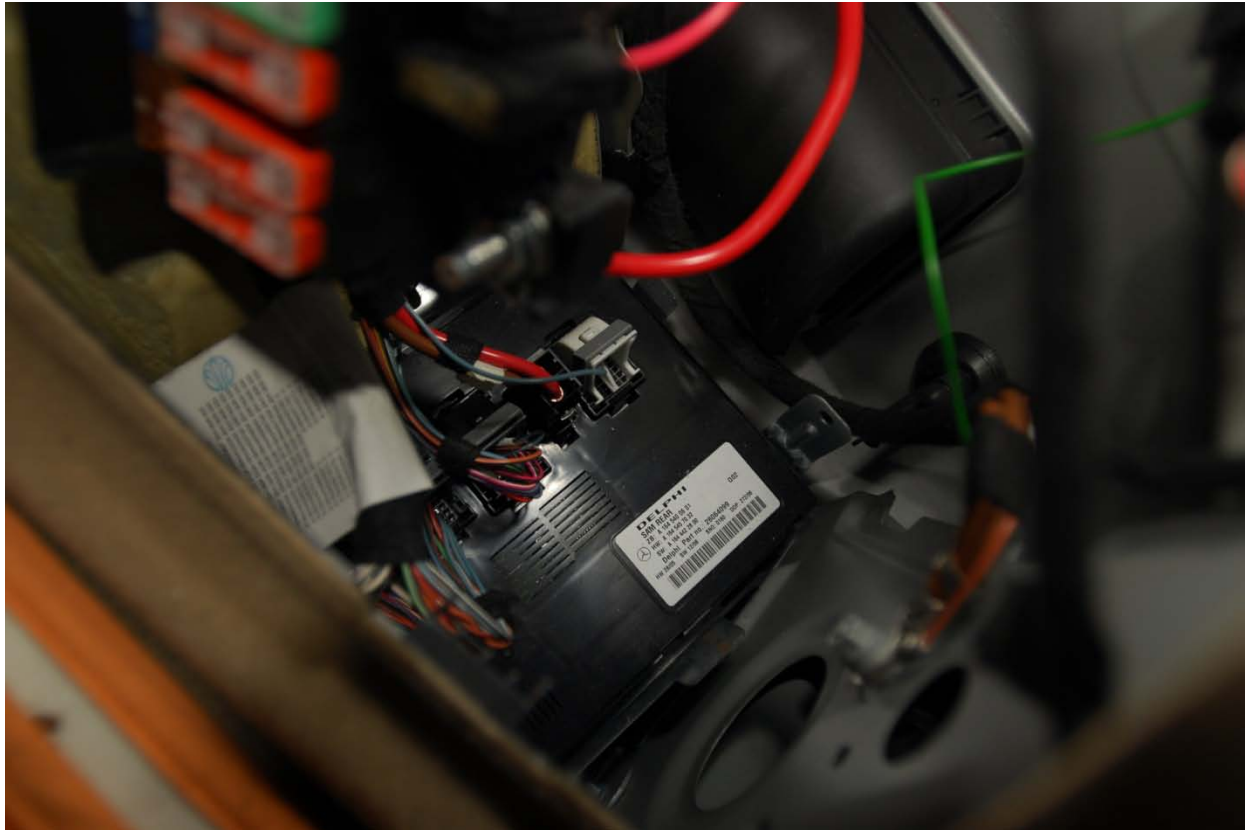
Tools needed:

1. 8mm wrench
2. 2 needles
3. Star diagnosis in developer mode (or with SCN coding capabilities through the dealership)
4. 1 pair of MY09- LED tail light, US or Euro specs
5. ML W164 rear SAM with LED tail light capabilities

A. Removing rear SAM

1. Remove cover from load compartment side trim. SAM is located underneath the fuse and relay box.
2. remove plastic covering over SAM
3. Remove all electrical connectors.
4. unclip SAM control unit upwards out of retaining clamp.
5. Remove connector to old halogen tail light





B. Installation of new rear SAM

1. Replace old SAM with new SAM, one with LED tail light as option. Known part nos. that work with LED tail lights are 164 900 72 00 and 164 440 41 01.
2. Reconnect all connectors

C. Programming new rear SAM

1. Connect to Star Diagnosis with developer kit
2. Variant code the rear SAM to LED with the correct setting—see attached pdf file

D. Rewiring of the brake light wire to tail light connector--for W164 with the brake light socket connected to a set of wires

1. Detach the red wire from the harness connected to wires to the bulb socket, using thin needle (or some special tool otherwise) to disengage the locking mechanism from both sides of the metal contact
2. Insert into the empty port (as I recall no. 4) of the central (and the only) harness to the light assembly. You may have to open the clip on the side to allow the metal contact slide into place.







E. Removing and installing tail lights

1. Unscrew 3 bolts from rear, and 1 from side, then carefully slide light backwards (not sideways)
2. Install new lights in reverse order. Make sure that foam seal is attached to the new lights for weatherproofing.
3. Now test your lights and you are all DONE!



