

2009 Mini Cooper Front End Service Mode – Lou Cheat Sheet

- 1) remove 5 x plastic connector hood frame
- 2) remove headlights & disconnect electrical
- 3) 3x 10mm from black u-shaped hood frame 4x 13mm, 4x Torx 30 Bonnet latch
- 4) Hood Cable Clip (remove plastic box from frame and pry open from bottom)
- 5) Remove U shaped black metal Hood Frame
- 6) Remove Grill (Clips are molded into construction of grill)
- 7) Release Wheel Arch (pushing Arch toward front of car, I shaped clip is attached to body)
- 8) Threaded Body Clips 4x (plastic clip that has Phillips head)
- 9) Round Light access panel to make arch liner more flexible
- 10) With liner pulled back remove 2x plastic push clips attaching upper fender to bumper cover
- 11) Separate wheel arch from bumper (Release gray plastic push clips using long needle nose pliers.
Use rag to separate and prevent accidental reattachment)
- 12) 6x Torx t25 fasteners hold bumper cover. (2x front, 2x side, 2x bottom)
- 13) 3x plastic fasteners on bottom of bumper (remove with trim tool)
- 14) remove bumper
- 15) Electrical connectors on both side for lights & ambient air sensor passenger side
- 16) Plastic Skid plate protecting drive belt (Phillips Head Screws)
- 17) 4x 16mm sub-frame bolts
- 18) 6x 13mm bolts front bumper mount to sub-frame 3x each side
- 19) 2x 10mm modular sub-frame to fender, one on each side
- 20) Slide Sub-frame forward