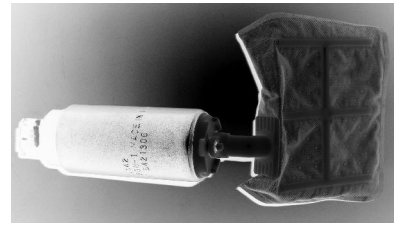


IXIZGUIDE - FUEL PUMP UPGRADE



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Fuelpump (Walbro 342 - 255lph) - 06 STi assembly

Assembled upgraded FP



- OEM assembly = 06 STi
- Modify upper filter - fit.
- Added bumper and tie down

PARTS List

Walbro 255 LPH (#342)
Zip Tie
Silicone hose
Oetiker Clamps

TOOLS used

Phillips Screwdriver
Pliers – needle nose
Pinch Pliers – oetiker clamp
Dremel tool – [cutting wheel]
Deburring tool

- Locate Fuel Pump Assembly (below rear seat)
- Remove a series of bolts
- Remove pump assembly from tank (do not damage level gauge)

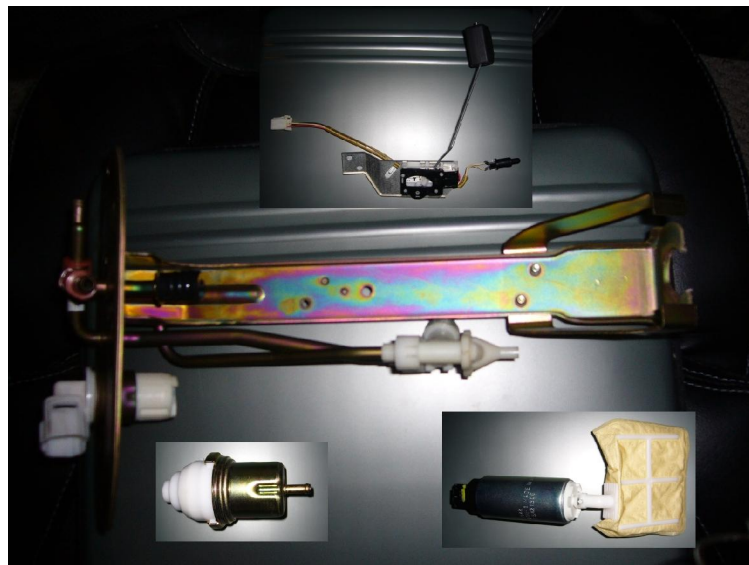
2006 STi



Remove FP Assembly & disassemble

- Store bolts in secure area – to reassemble
- Detach both (FL & FP) connectors from upper connector
- Remove fuel level(FL) assembly - store safely (1 bolt)
- Slide hose clamps to center of tube (4x)
- Remove Lower filter casing (w/ return tube)
- Remove FP [push pump up towards upper filter(UF) and pull away from main assembly] lower filter still attached to FP
- Remove UF (1 bolt) [by sliding the filter down with twisting motion]
 - Inspect and replace UF filter if necessary

Disassembly of OEM FP is complete



Because the upgraded FP is longer [the UF is modified]

- Modify the UF by cutting the lower tube 5-6mm, using a dremel tool & cutoff wheel.
- CAUTION: prevent debris dropping into filter – insert a clean rag into the tube as deep as possible and use cutting wheel to reduce the tube length. Remove cut-off tip and deburr the tube.



- Optional: Insert a needle nose plier and gently pry the tube to flare the edge of the shortened tube. Clean the tube.
- Reinstall the modified Upper Filter (Use a drop of TCW-3 oil on the seal)
- Add the lower filter to the new FP and secure

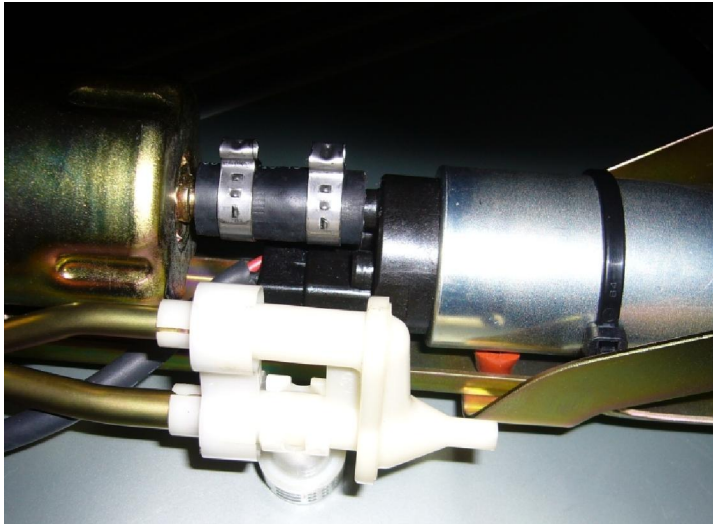


Install upgraded fuel pump (FP)

- Test fit the new FP to the FP assembly and cut the required length of hose (allow 1/4" clearance)
- OPTIONAL: Added 2x short pieces of hose to the bolts to prevent scuffing of the new pump (red silicone hose shown below)



- Insert hose onto FP and slide clamps onto tube
- Assemble the FP and secure it with a zip tie
- Tighten FP hose clamps



- Re-assemble lower filter cover (box)
- Secure return hose clamps
- Reconnect FP harness
- Reconnect fuel level assembly and reconnect harness to upper connector



The upgraded fuel pump is now complete

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