

# Cooling Fan Assembly Replacement

Vehicle: 2010 Jaguar XFR  
Author: Ryan Olde

  
Date: 13 Aug 2015  
Rev: A

## Symptoms

Engine overheating while at idle or in slow traffic

Engine temperature is properly regulated at highway speeds

Cooling fan does not come on when air conditioner engaged

Cooling fan does not come on when engine is operating above normal range (90C is when thermostat opens, at 104C the cooling fan should be operating)

## Part Numbers

## Tools

- Torx
- Torx
- Socket
- Socket
- Socket
- Socket
- Philips screw driver
- Flat blade screw driver

## Procedure

1. Remove engine cover
  - 4 friction fit rubber fasteners integrated into the engine
  - Lift up at the front of the cover and pull towards the front of the vehicle
2. Remove intake cowls
  - Remove 6 plastic anchors

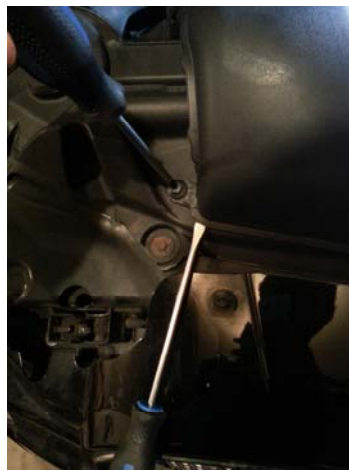


- Gently pull and wiggle the tubing connected to the airboxes until it separates

# Cooling Fan Assembly Replacement

Vehicle: 2010 Jaguar XFR  
Author: Ryan Olde

  
Date: 13 Aug 2015  
Rev: A



3. Remove intake snorkels
  - Loosen 4 gear clamps, remove 1 hose connected to the passenger side snorkel
  - Gently Pull snorkel off of airbox
  - Gently Pull snorkel off of T-pipe
4. Remove intake T-pipe
  - Loosen 1 gear clamp
  - Gently twist and pull towards front of car
5. Remove belly plate
  - Remove 1,000 screws
  - Gently push and shimmy plate towards rear of car
  - Gather all of the screw clips that fell off and place them back onto the nose cone
6. Remove radiator splash guard
  - Disengage two plastic clips integrated into the splash guard, pull straight down

# Cooling Fan Assembly Replacement

Vehicle: 2010 Jaguar XFR  
Author: Ryan Olde

  
Date: 13 Aug 2015  
Rev: A



## 7. Unplug cooling fan wiring harness

- Press the clip integrated into the wiring harness and gently pull harness apart. Unfasten strap holding the cooling fan wire to the body



## 8. Remove cooling fan retaining bolt (1) and clip (1) on passenger side of the assembly

# Cooling Fan Assembly Replacement

Vehicle: 2010 Jaguar XFR  
Author: Ryan Olde



Date: 13 Aug 2015  
Rev: A



9. Unfasten cooling hose straps from cooling fan assembly  
Gently pry out the 3 anchor style straps, Gently pry out the clip style straps



# Cooling Fan Assembly Replacement

Vehicle: 2010 Jaguar XFR  
Author: Ryan Olde



Date: 13 Aug 2015  
Rev: A



## 10. Remove cooling fan assembly

- Engage the clip integrated into the fan assembly. It's located on the driver side of the assembly. Slide the fan upwards. Gently move any cooling hoses that are blocking the path of the assembly.



# Cooling Fan Assembly Replacement

Vehicle: 2010 Jaguar XFR  
Author: Ryan Olde

  
Date: 13 Aug 2015  
Rev: A

11. Repeat steps in reverse for re-assembly with functioning cooling fan assembly
12. Test cooling fan assembly
  - Engage air conditioner and see if fan engages
  - Let car idle while watching engine temperature and see if cooling fan engages when it should. Engine temperature will need to be monitored with an external device. I have a Bluetooth OBD reader and the torque app on my cell phone.