



**Preparation:**

- Disconnect the negative battery terminal. Park the vehicle on level ground and set the emergency brake.
- We recommend reading through the installation instructions in whole before performing the work.
- Estimated Installation Time: **2 Hours for OEM Removal/Bumper Installation**

**1 Additional Hour to Wire Center Light**

**1 Additional Hour to Wire Side Lights**

*\*\*This installation requires 2 people for best results\*\**

*\*\*Labor Rates are based on a vehicle with no pre-existing damage. Wiring labor is based on a standard wiring procedure with light switches installed in an easily accessible location. Custom light triggering or switch mounting location will result in a greater labor charge.\*\**

**You will need the following tools:**

- Ratchet
- 10mm Socket
- 9/16" Socket
- Drill
- Black Paint
- 5.5mm Socket
- 15mm Socket
- 3/4" Socket & Wrench
- 11/64" Drill Bit
- 7mm Socket
- 21mm Socket
- 1 1/16" Socket
- Reciprocating Saw

**Included in Kit:**

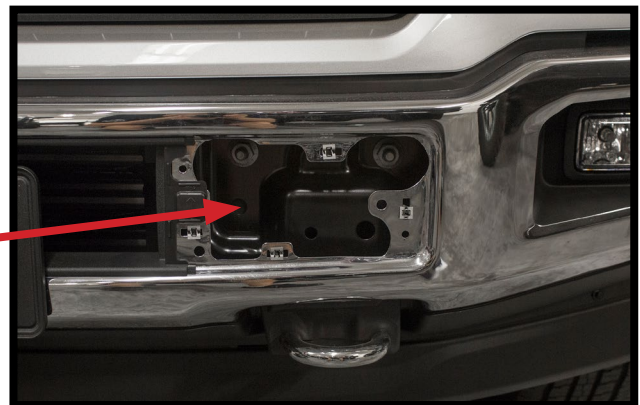
- 4 - Hex Head Bolts (1/2"-13 x 1 1/2")
- 8 - Flat Washers (1/2")
- 4 - Nylon Lock Nuts (1/2"-13)
- 2 - Thread Cutting Bolts (3/8"-16 x 1")
- 1 - Skid Plate Mounting Bracket for Stock Suspension
- 6 - Hex Head Bolts (3/8"-16 x 1")
- 6 - Fender Washers (3/8")
- 6 - Extra Long U-Nuts (3/8"-16)
- 1 - Skid Plate Mounting Bracket for Lift Kit

*\*\*If you are installing an Adaptive Cruise Control Relocation Bracket, please copy and paste the following address in your browser for installation information\*\**

<http://www.addictivedesertdesigns.com/images/ADD%202015-Current%20F150%20Adaptive%20Cruise%20Relocation%20Bracket%20Installation%20Instructions.pdf>

**Removal:**

1. From underneath the truck, unplug the fog light connectors.
2. Pull the front plastic pods off each end of the OEM bumper. There are no tools required for this step, they simply pull off by hand. (Fig A)

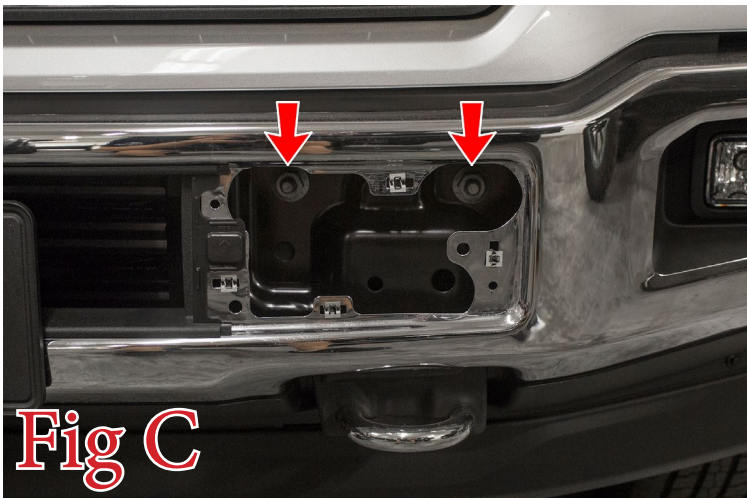


**Fig A**

5. From underneath the truck, remove the two plastic clips holding the fog light harness to the OEM bumper. (Fig B)

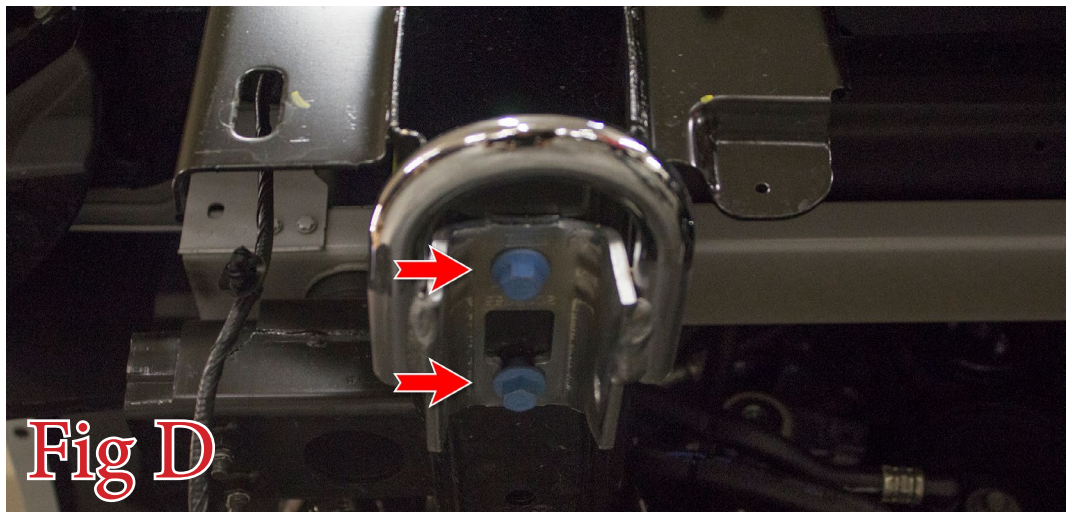


3. Using a 21mm Socket, remove the OEM bumper mounting bolts. There are two (per side) on the front side of the bumper and one (per side) on the rear side of the bumper. (Fig C)



4. Remove the OEM Bumper from the vehicle.

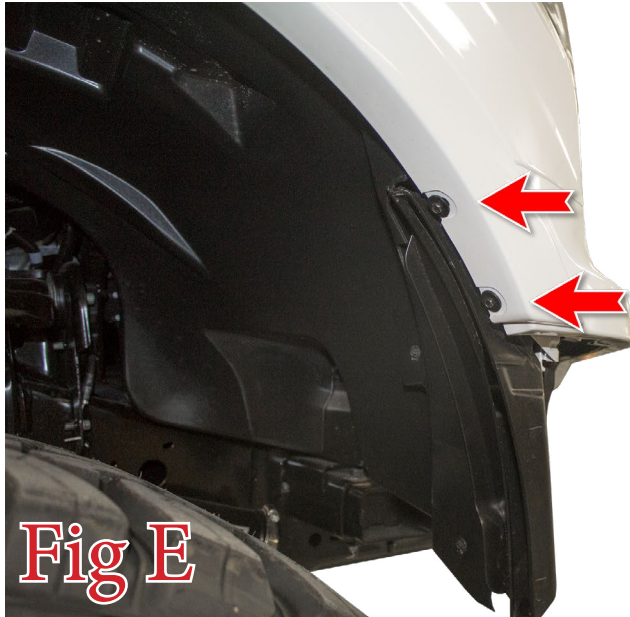
6. Using a 15mm Socket, remove the tow hook mounting bolts (2 per side). Then, remove the tow hooks from the vehicle. (Fig D)



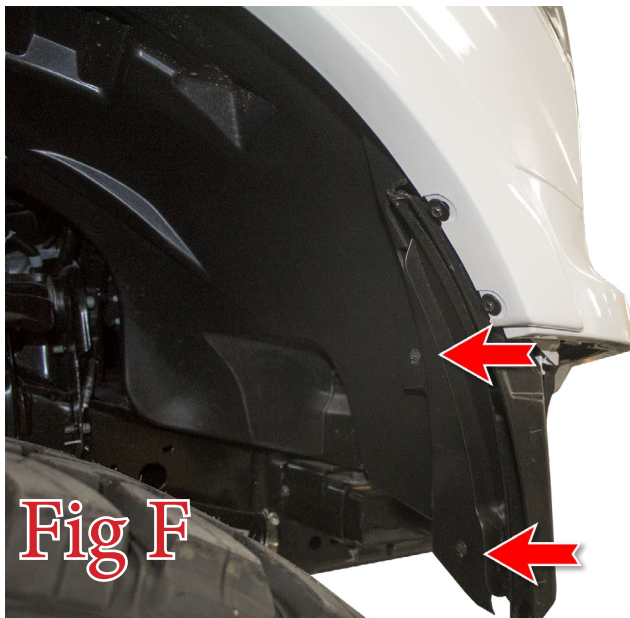




7. Using a 7mm Socket, remove the two most forward bolts in the wheel well of your vehicle. (Fig E)



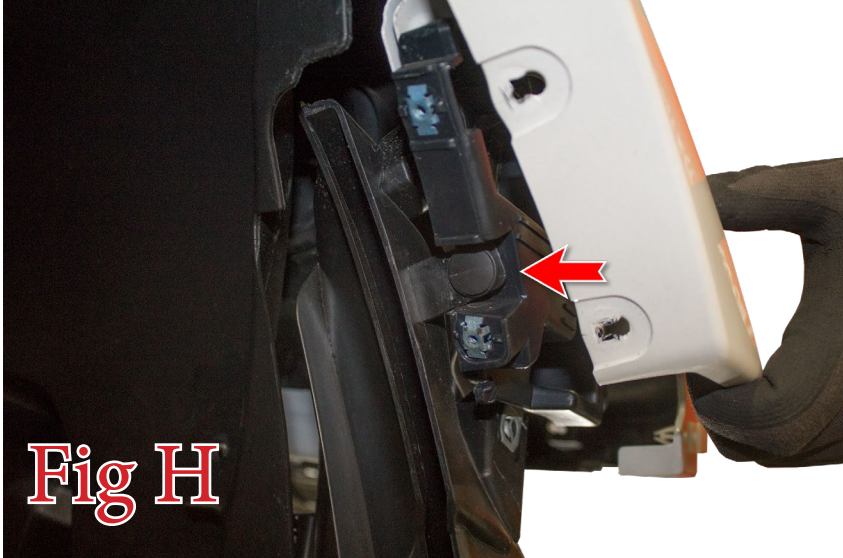
8. Using a 5.5mm Socket, remove the two inner fender bolts referenced in (Fig F).



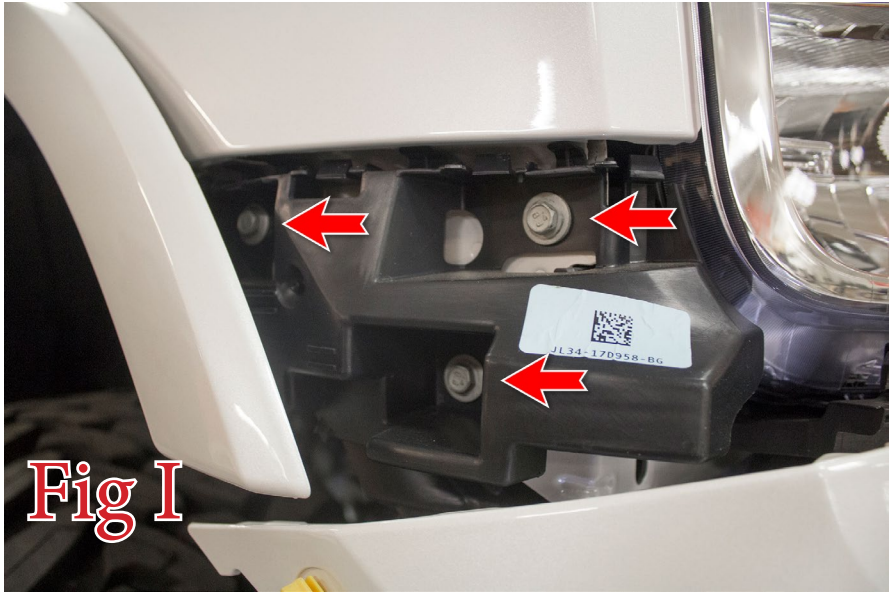
9. Pull the fender flare free from the valance. Then, pull the valance free to expose the air dam sitting behind it. (Fig G)



10. Remove the plastic clip that was sitting just behind the fender flare. (Fig H)



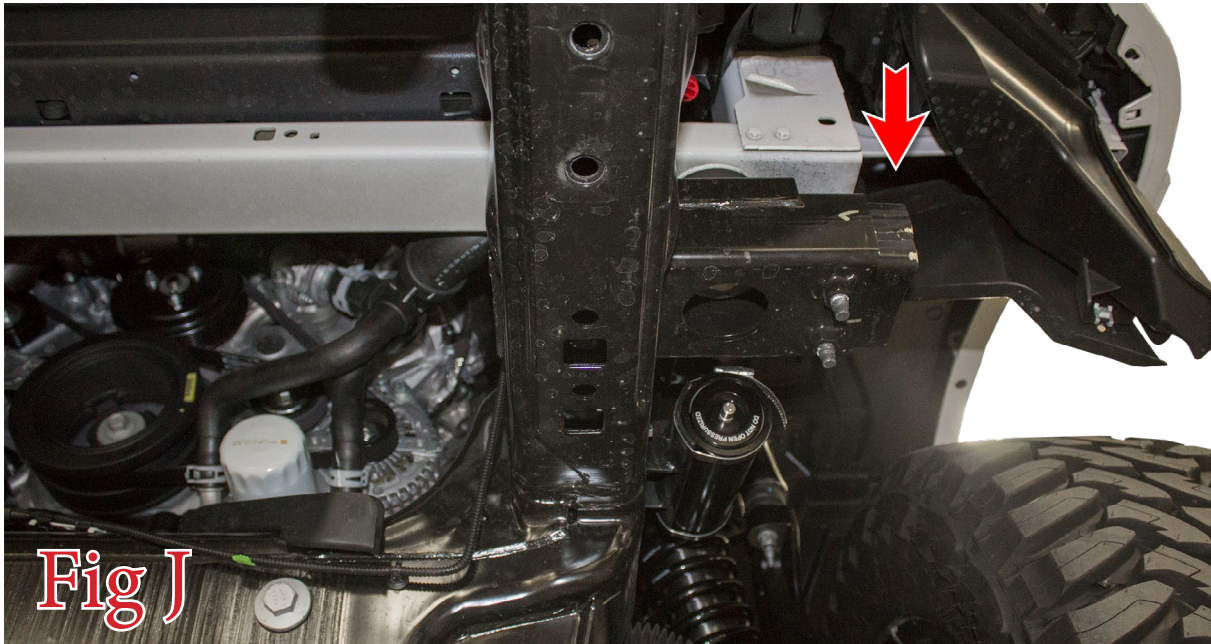
11. Using a 10mm Socket, remove the air dam mounting bolts (x3). Then, remove this air dam from the vehicle (Fig I)



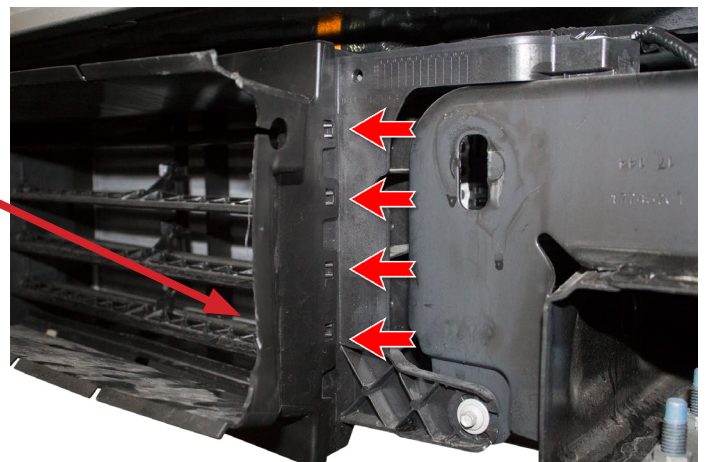




- 12. Push the valance back into place on the truck until it clicks into place. Then, push the fender flare back into place and reinstall the bolts you removed in Step 7.
- 13. Using a reciprocating saw or something similar, cut off the crash bars in the front section of the wheel well. Make sure to paint over any bare metal when you are done. (Fig J)



- 14. Repeat Steps 7-13 on the other side of the vehicle.
- 15. If you have an EcoBoost engine, remove the outer plastic scoop from in front of your OEM Intercooler. There is a series of plastic clips around the perimeter that hold it on. Release those clips to remove the scoop. (Fig K)





**Installation:**

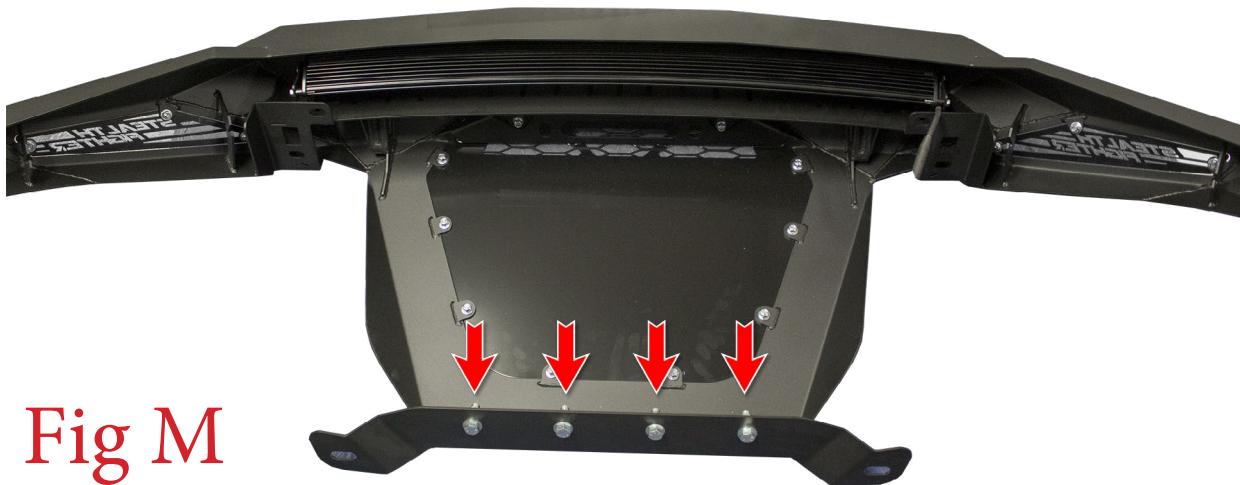
16. There are two skid plate mounting brackets sent with each bumper; one for use with a lift kit and one for use with stock suspension. Refer to (Fig L) to see which one fits your application.

**LIFT KIT**

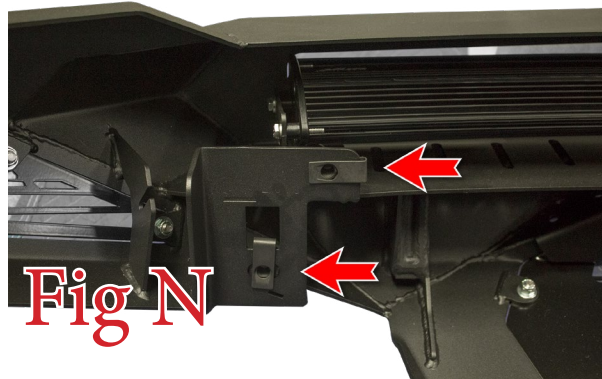
**STOCK SUSPENSION  
& 2WD VEHICLES**



17. Using the supplied 1/2" Bolts (x4), 1/2" Washers (x8), and 1/2" Nuts (x4), secure the correct skid plate bracket to your new bumper. (Fig M)



18. Install the supplied 3/8" U-Nuts (x4) on your new bumper. (Fig N)







19. Install any lights you have purchased for your new bumper. Please follow the light manufacturer's guide for mounting and wiring information.
20. If your truck has a lift kit and is 4WD, use a 1 1/16" Socket to remove the lift bracket mounting bolts. (Fig O)



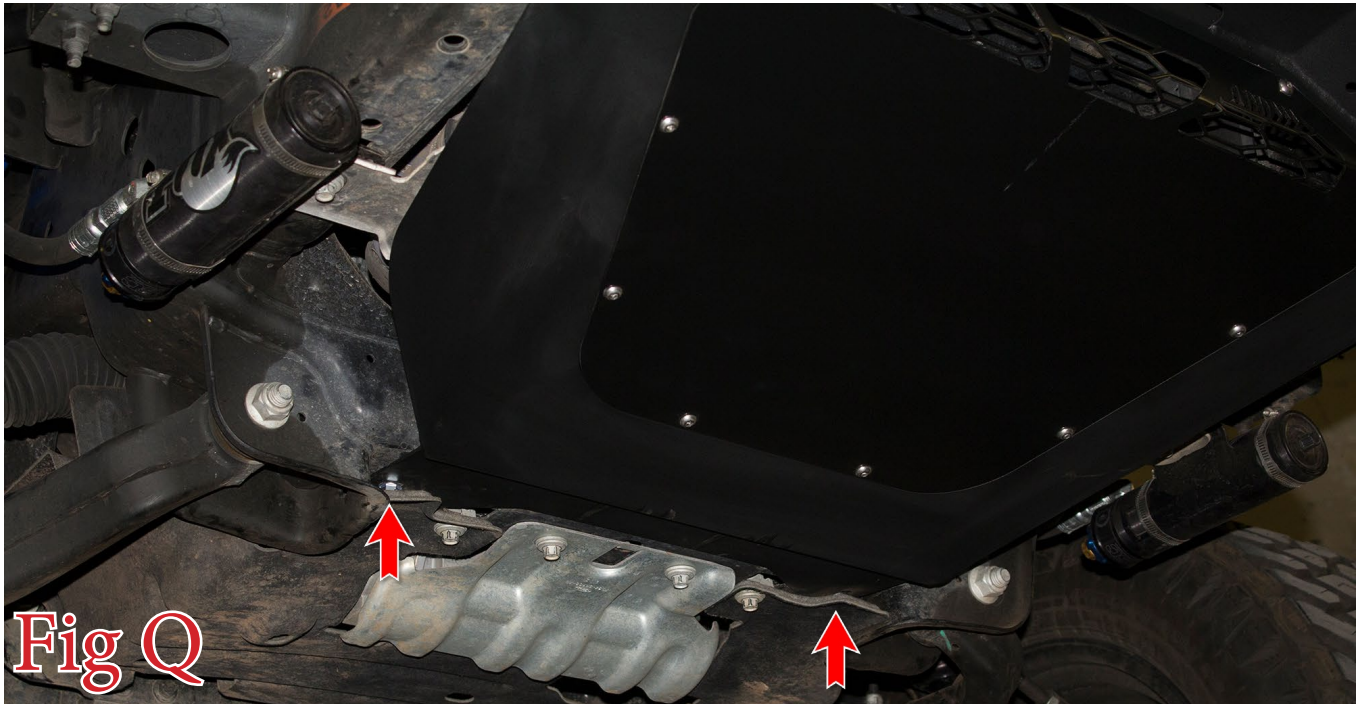
21. If your truck has stock suspension, install the supplied U-Nuts (x2) into the crossmember holes that line up with the mounting tabs on the skid plate mounting bracket. You may have to remove an OEM skid plate to free these bolts holes. If your truck has stock suspension and is 2 wheel drive, SKIP THIS STEP.
22. Set the bumper in place on your vehicle. Install the supplied 3/8" Grade 8 Bolts (x4) and 3/8" Fender Washers (x4) from the back side of the frame horns. Then, if your truck has a lift kit, reinstall the bolts you removed in Step 18. If your truck does not have a lift kit, but is 4 wheel drive, install the supplied 3/8" Grade 5 Bolts (x2) and 3/8" Washers (x2) into the U-Nuts you installed in Step 19. Leave all bolts loose for now. (Fig P)



Fig P



24. If you have a 2wd truck, use an 11/64" Drill Bit to drill a hole in the truck's crossmember that lines up with the mounting holes on the skid plate bracket. Then, install the supplied 3/8" Thread Cutting Bolts (x2) into those mounting holes. (Fig Q)



23. Trim your inner fender liner to preference. We suggest following a line similar to what is shown in (Fig R)







25. Align the bumper so that it is centered left to right and sits straight in relation to the truck's valance. Then, torque the 3/8" Mounting bolts to 30 foot pounds. Torque the lift kit cross member bolts (if applicable) to the OEM torque spec.
26. Stand back and enjoy your new ADD Stealth Fighter™ Front Bumper.
27. Check and re-tighten, if needed, all mounting bolts after 100 miles and periodically thereafter.

