

## Dirk's Wiper Systems

### Peterbilt 359

1. Please read directions before starting install.
2. Loosen dash and panel thumb screws to expose wiper motors and controls (Hint use light duty bungee cord to hold dash back.)
3. Remove wiper controls and hoses, Install supplied pipe plug in air feed manifold
4. Remove wiper arms
5. Remove  $\frac{1}{4}$ " bolts thru boot cowl that hold air wiper motor to cab.
6. Remove air wiper motor.
7. Check condition of washer thru boot cowl fittings are in good condition if not replace with new. (supplied)
8. Drill wiper motor pivot arm location to  $\frac{3}{4}$ "(go slow with this step the hole needs to remain centered with original hole for new wiper motor adapter)
9. The motor grounds through the flat aluminum mounting plate, you will have to make sure the mounting surface on the truck is clean.
10. Install new electric wiper motors(put small amount of rtv sealant on threads of supplied  $\frac{1}{4}$ " x 1" stainless bolts.(wiper motors are labeled drivers/pass, some trimming of huck collars might be necessary because some did not shear off clean)
11. On some trucks you may have to trim wiper motor mount where washer boot cowl nozzle contacts motor(peterbilt was not real consistent on location of fitting)
12. Install electric wiper controls( switches need to be installed with the wire harness phased towards the pass side of truck, drivers side control switch may need to be trimmed to clear park valve, depends on how truck was ordered)
13. Connect wire harness from motors to controls
14. Install wiper switch knobs
15. Connect red wiper switch harness wire to key on power (controls are not internally fused, install wire to factory circuit breaker)
16. Install wiper arms(they are adjustable length by prying tab up on end of arm), wiper blades, washer nozzles to end of wiper arms where blades mount to, install washer hose to boot cowl fitting(when installing wiper arm you need approximately  $\frac{5}{8}$ " between wiper blade and windshield center divider
17. On short hoods and long hoods the washer reservoir will be mounted in different location, the LH picture below shows mounting on a short hood, on long hoods there are enclosed brackets to mount to the inner front cab mount. Brackets move washer reservoir inboard 4" to clear hood locator socket. Check clearances with the hood open and closed to verify washer reservoir location.
18. For short hoods bottom of reservoir to top of hood pin locator will be  $6\frac{1}{2}$ ", for long hoods installation height will be less, but will move washer reservoir inboard. Place the brackets just below round openings on inner front cab mount. Use four  $\frac{1}{4}$ " bolts for tank to bracket and four  $\frac{1}{4}$ " bolts for bracket to cab. Using less than specified mounting bolts will void warranty on tank!
19. Install ground for washer motor to lower mount bolt.
20. Fill washer reservoir

21. Test wiper system(note: if wiper blade contacts windshield rubber or center divider adjust arms on pivot shaft)
22. Windshield washer controls are interconnected if washer knob is depressed both motors with complete three sweeps.
23. Washer nozzles are adjustable by turning with flat blade screwdriver.

Included in kit

- 2- SAE rated electric wiper motors with adapter plates with ¼" stainless mounting bolts (wiper arms park vertical)
- 2-Delay wiper/washer controls
- 2- Wiper arms
- 2-Wiper blades
- 2-Washer boot cowl fittings
- 2-Washer nozzles
- 1-Washer reservoir/pump assy
- 1-Wiring Harness/washer hose assy
- 2- Washer res adapter plates

Questions contact us at 1-866-367-2120

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