

## WIPER/WASHER SYSTEM

### Article Text

1991 Volkswagen Vanagon  
For Volkswagen Technical Site  
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Saturday, March 18, 2000 09:56PM

## ARTICLE BEGINNING

1989-92 SAFETY EQUIPMENT  
Wiper/Washer Systems

Cabriolet, Corrado, Fox, Golf,  
GTI, Jetta, Passat, Vanagon

## DESCRIPTION

All models are equipped with 2-speed wipers. A standard or optional intermittent feature is also available. The wiper control is the right lever on the steering column. Some models are equipped with a rear wiper/washer system.

## ADJUSTMENTS

### WIPER BLADE

To adjust wiper blade park position, ensure wiper motor is at park position. Locate wiper blade(s) above lower edge of windshield as specified. See WIPER BLADE PARK POSITION SPECIFICATION table. Secure wiper arm.

### WIPER BLADE PARK POSITION SPECIFICATION

AA

Application	In. (mm)
Cabriolet	
Right .....	2.5 (65)
Left .....	1.4 (35)
Corrado	
Right .....	1.0 (25)
Left .....	1.8 (47)
Fox	
Front .....	1.8 (47)
Rear .....	(1) 1.4 (35)
Golf, GTI & Jetta	
Front .....	2.4 (60)
Rear .....	(2)
Passat	
Front	
Right .....	2.0 (50)
Left .....	1.4 (35)
Rear .....	.8 (20)
Vanagon	
Front .....	2.8 (70)
Rear .....	1.0 (25)

- (1) - Measured from top of blade to left edge of glass.  
(2) - Specification is not available from manufacturer.

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## TESTING

Testing information is not available from manufacturer.

## FRONT WIPER MOTOR R & I

Removal (Cabriolet & Passat)

Open hood, and unplug wiring connector. Pry linkage off motor crank arm. Remove 4 bolts and motor. DO NOT remove motor bracket when removing motor.

Installation

Check crank arm alignment by running motor and allowing arm to park. Crank arm should be at 20-degree angle to motor centerline. See Fig. 1. To complete installation, reverse removal procedure, installing left linkage rod first.

Removal & Installation (Corrado & Fox)

For removal and installation of wiper motor and components, refer to illustration. See Fig. 2.

Removal (Golf, GTI & Jetta)

Remove connecting linkage from motor crank arm. Unplug wiring connector. Mark position of wiper motor crank arm. Remove wiper motor crank arm and 3 mounting bolts. Slide motor out from beneath bracket, and remove motor.

Installation

Check crank arm alignment by running motor and allowing arm to park. Crank arm should be in line with motor centerline and linkage ball should point from motor. See Fig. 1. Reverse removal procedure to complete installation.

Removal (Vanagon)

Remove wipers, arms and shaft nuts. Remove glove box and instrument cluster. Remove wiper linkage rods by extending fully to passenger side. Unplug wiring connector. Remove wiper bracket bolts and bracket. Remove crank arm, 3 bolts and wiper motor.

Installation

Connect motor wiring, run motor and allow arm to park. Align crank arm and linkage rod as shown. See Fig. 1. Reverse removal procedure to install.

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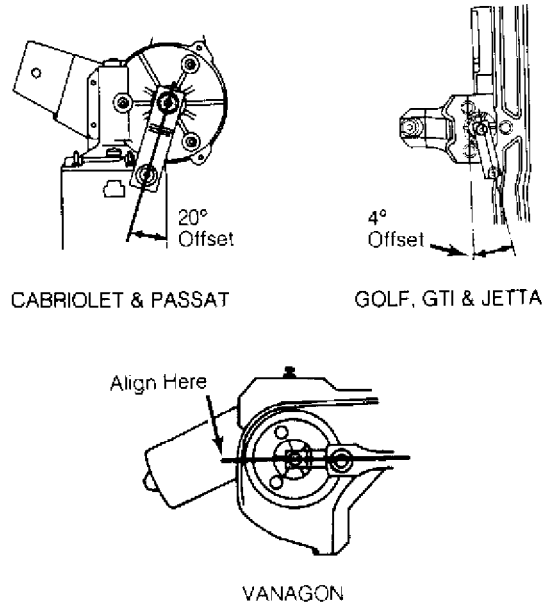
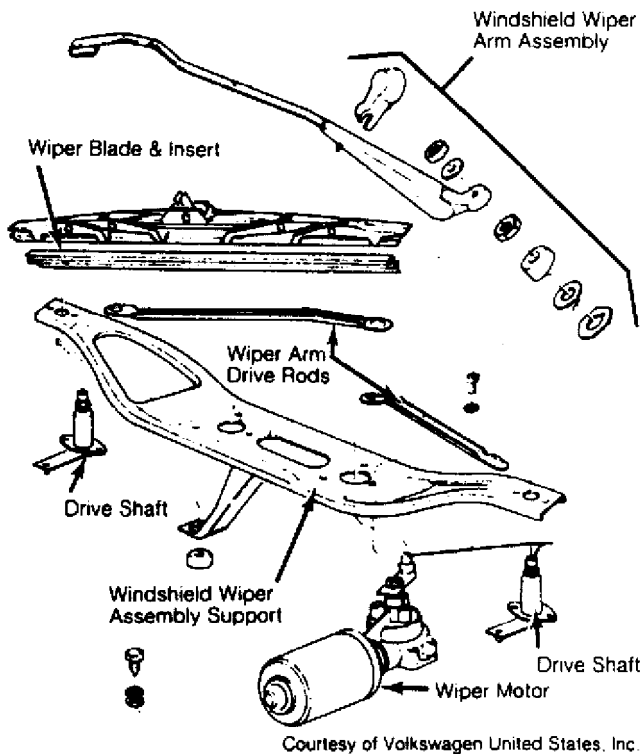


Fig. 1: Aligning Front Wiper Motor Crank Arm  
Courtesy of Volkswagen United States, Inc.



Courtesy of Volkswagen United States, Inc.

Fig. 2: Identifying Front Wiper Components (Corrado & Fox)  
Courtesy of Volkswagen United States, Inc.

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### REAR WIPER MOTOR R & I

#### Removal

Remove inner trim panel on rear hatch. Unplug wiring connector, and pry linkage off motor crank arm. Remove motor crank arm, motor bolts and motor.

#### Installation

On Golf and GTI, check crank arm alignment by running motor and allowing arm to park. Install crank arm in correct position. See Fig. 3. On all models, ensure motor is in Park and install wiper blade arm. Reverse removal procedure to complete installation.

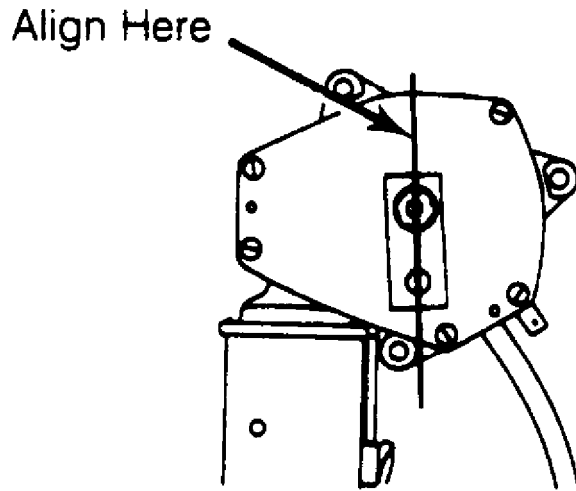


Fig. 3: Aligning Rear Motor Crank Arm (Golf & GTI)  
Courtesy of Volkswagen United States, Inc.

### WIRING DIAGRAMS

See appropriate chassis wiring diagram in WIRING DIAGRAMS.

END OF ARTICLE