

WIPER/WASHER SYSTEM

Article Text

1987 Volkswagen Quantum/Quantum Syncro

For Volkswagen Technical Site

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ARTICLE BEGINNING

Wiper/Washer Systems
VOLKSWAGEN

Cabriolet, Fox, Golf, GTI, Jetta,
Quantum, Scirocco, 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-hand lever on the steering column. Some models are equipped with a rear wiper/washer system.

REMOVAL & INSTALLATION

FRONT WIPER MOTOR

Removal (Cabriolet, Jetta & Quantum)

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

2) On Quantum models, remove wiper motor frame before removing or installing motor.

Installation

Check crank arm alignment by running motor and allowing it 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 (Golf, GTI & Scirocco)

Remove connecting linkage from motor crank arm. Disconnect 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 it to park. Crank arm should be in line with the motor centerline, and linkage ball should point away 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. Disconnect wiring connector. Remove wiper bracket bolts and bracket. Remove crank arm, 3 bolts and wiper motor.

Installation

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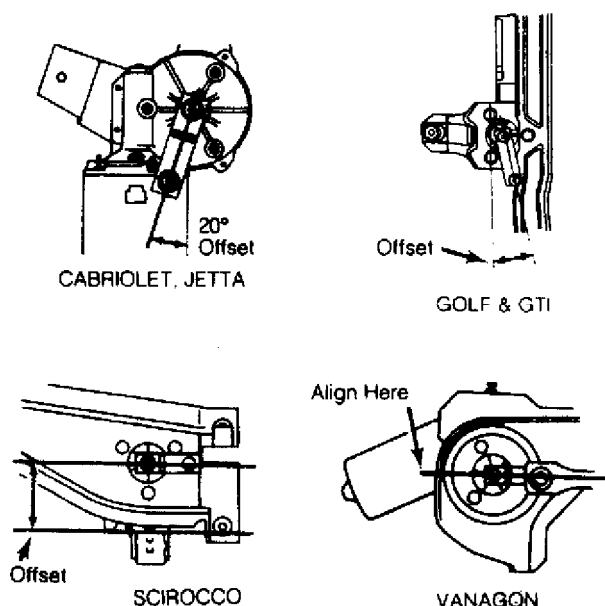
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Connect motor wiring, run motor and allow it to park. Align crank arm and linkage rod as shown. See Fig. 1. Reverse removal procedure to install.

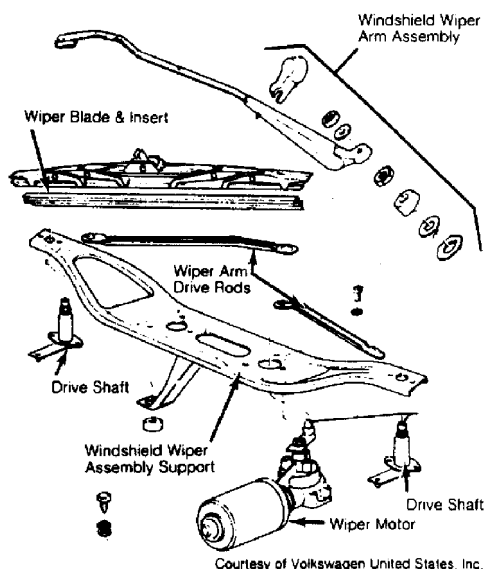
Removal & Installation (Fox)

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



Courtesy of Volkswagen United States, Inc.

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



Courtesy of Volkswagen United States, Inc.

Fig. 2: Exploded View of Fox Front Wiper Components
Courtesy of Volkswagen United States, Inc.

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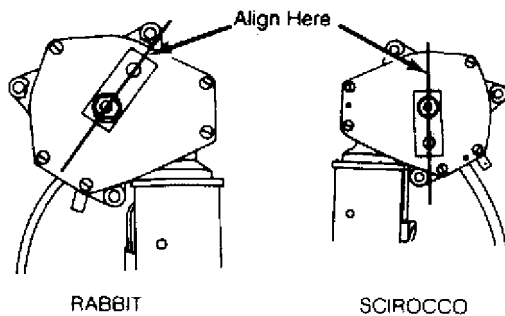
REAR WIPER MOTOR

Removal

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

Installation

Check crank arm alignment by running motor and allowing it to park. Install crank arm in correct position. See Fig. 3. Reverse removal procedure to complete installation.



Courtesy of Volkswagen United States, Inc.

Fig. 3: Aligning Rear Motor Crank Arm During Installation
Courtesy of Volkswagen United States, Inc.

END OF ARTICLE