

ALFA 159 1.9 JTD 16V FAN DOES NOT WORK AT DIFFERENT SPEEDS L004

Valid for versions with:Automatic Air Conditioning



The fan does not work when the speed control button is used.

Valid for versions with:Automatic Air Conditioning

1	CHECK ON OPERATION OF FAN BY CLIMATE CONTROL SYSTEM CONTROL UNIT	ALL OK	PROBLEMS ENCOUNTERED	ACTION
	With the engine started, set the climate control system control unit to the AUTO position, adjust the temperature to 22°C, place the recirculation at the outside air intake and the distribution to the front position. Adjust the fan button (+ side) gradually increasing the speed set and then decrease the speed using the button (- side), thereby checking the effect of the air flow rate variation.	End of diagnosis	The fan does not work	Move on to Step 2
2	CHECK USING DIAGNOSTIC EQUIPMENT	ALL OK	PROBLEMS ENCOUNTERED	ACTION
	Connect the Examiner diagnostic equipment and check the following at the Climate Control Node: <ul style="list-style-type: none"> that there are no errors at the passenger compartment fan; that there are no errors linked to the fan (short circuit errors). 	Move on to Step 4	1. Error at the passenger compartment fan.	1. Move on to Step 4
			2. Short circuit error.	2. Move on to Step 3
			3. Fan operating module error.	3. Move on to Step 4
3	CHECK ON CLIMATE CONTROL NODE ELECTRICAL CONNECTIONS	ALL OK	PROBLEMS ENCOUNTERED	ACTION
	With the engine switched off, remove the control unit from the dashboard support and disconnect the connector visually inspecting for any damage at the connector contacts and reconnect it correctly to for check for any false contacts. Op. 5040D15	Move on to Step 4	Electrical connections loose or damaged.	Restore the loose or damaged electrical connections See E6020 AIR CONDITIONING
4	CHECK ON ELECTRICAL CONNECTIONS AND FAN	ALL OK	PROBLEMS ENCOUNTERED	ACTION

	OPERATION			
	Check whether the electrical wiring connections are loose. Disconnect/reconnect the connection to the engine mounting. Disconnect the connector and connect to a feeder. In these conditions the motor should rotate at the maximum speed indicating that the operating module is not working	End of diagnosis	1.Electrical connections loose	1.Renew the correct connections See E6020 AIR CONDITIONING
			2.The fan does not work	2.Replace the fan Op. 5040C30 AIR CONDITIONING FAN - R.R.
			3.The operating module does not work	3.Replace the fan operating module Op. 5040C40

Valid for versions with:Manual Air Conditioning



The fan does not work when the speed control selector is used.

Valid for versions with:Manual Air Conditioning

1	CHECK ON CORRECT OPERATION OF MAXIMUM SPEED RELAY	ALL OK	PROBLEMS ENCOUNTERED	ACTION
	Check for loose electrical wiring connections, disconnect visually inspecting for any damage to the connector contacts. Reconnect the connection to the resistor. Check that the fan is working at the maximum speed: if it only works at the maximum speed, the relay is broken. Check whether the resistor is broken by checking the electrical continuity in accordance with the See Test 5040CF Sequential procedure for checking air conditioner fan resistor operation	Move on to Step 2	1.Electrical connections loose or damaged.	1. Renew the electrical connections See E6020 AIR CONDITIONING
			2.Relay broken.	2.Replace the ceramic resistor Op. 5040C48
			3.Resistance values faulty.	3.Replace the ceramic resistor Op. 5040C48
2	CHECK ON CORRECT OPERATION OF FAN	ALL OK	PROBLEMS ENCOUNTERED	ACTION
	Check whether the electrical wiring connections are loose. See E6020 AIR CONDITIONING Disconnect, visually inspecting for any damage to the connector contacts. Reconnect the connection to the engine mounting. Check that it rotates at all speeds by activating it using the switch. If it does not rotate at maximum speed, check the fan maximum speed relay. See J041	Move on to Step 3	1.Electrical connections loose or damaged.	1. Renew the electrical connections See E6020 AIR CONDITIONING
			2.Fan not working.	2.Replace the fan Op. 5040C30 AIR CONDITIONING FAN - R.R.

3	CHECK ON CORRECT OPERATION OF SPEED SELECTOR AT THE CLIMATE CONTROL SYSTEM CONTROL UNIT	ALL OK	PROBLEMS ENCOUNTERED	ACTION
	<p>Check for loose electrical wiring connections, disconnect visually inspecting for any damage to the connector contacts. Reconnect the connection to the selector at the climate control system control unit.</p> <p>Check whether the selector on the control unit is interrupted by checking the electrical continuity in accordance with the See Test 5040DF Sequential procedure for checking air conditioner fan operation</p>	Move on to Step 4	1.Electrical connections loose or damaged.	1. Renew the electrical connections See E6020 AIR CONDITIONING
			2.Fan not working.	2.Replace the speed selector knob Op. 5040D23
			3.Power supply to the relays not correct.	3.Replace the climate control system control unit Op. 5040D17
4	CHECK ON CORRECT OPERATION OF FAN MAXIMUM SPEED OPERATING RELAYS	ALL OK	PROBLEMS ENCOUNTERED	ACTION
	<p>Check whether the electrical wiring connections are loose: Disconnect, visually inspecting for any damage to the connector contacts. Reconnect the connection to the relay.</p> <p>Check that the relay is working properly by providing it with a direct 12 V supply.</p>	End of diagnosis	1.Electrical connections loose or damaged.	1. Renew the electrical connections See E6020 AIR CONDITIONING
			2.Maximum speed operating relay not working.	2.Replace the maximum speed operating relay Op. 5040C48