

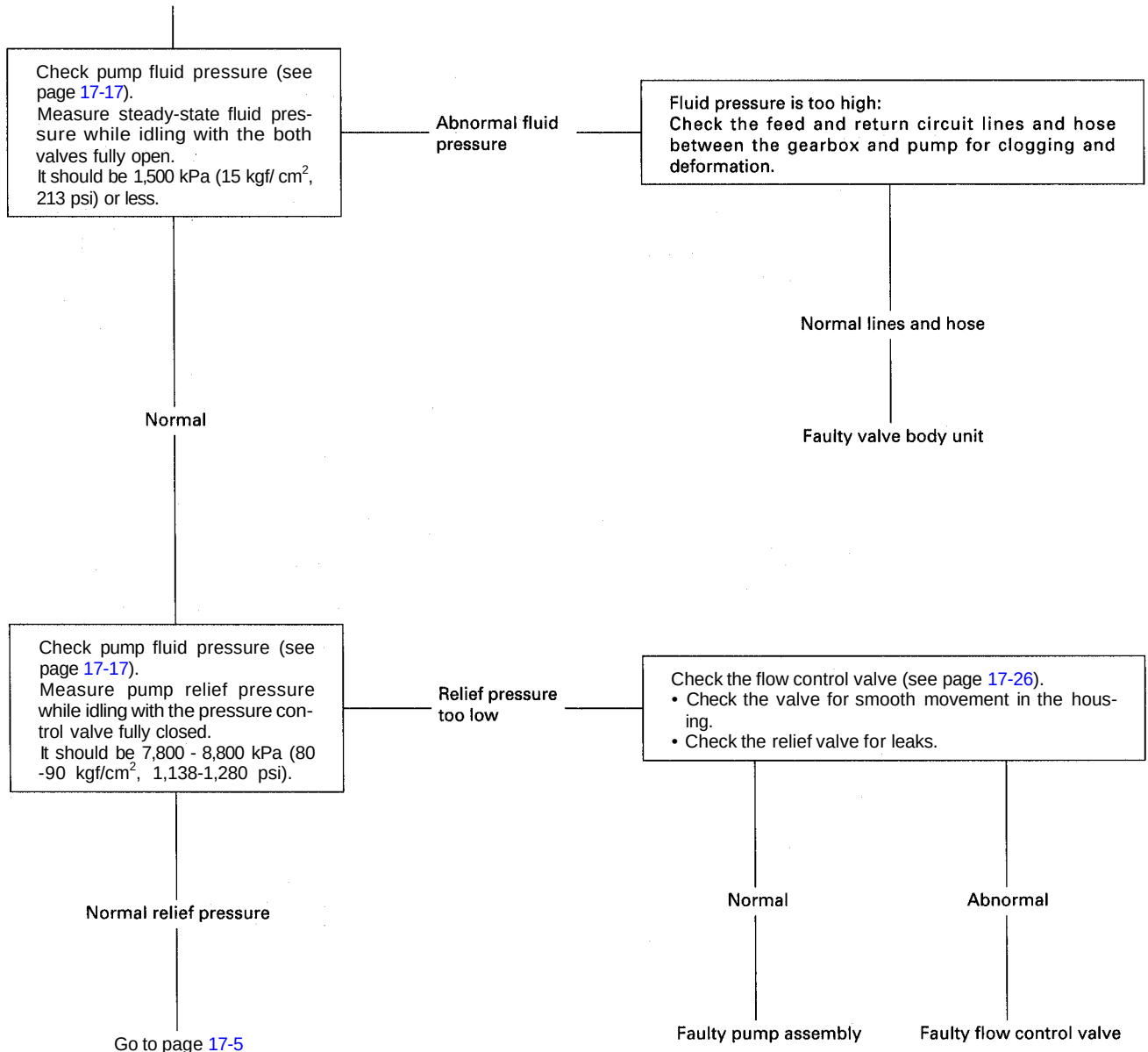
Troubleshooting

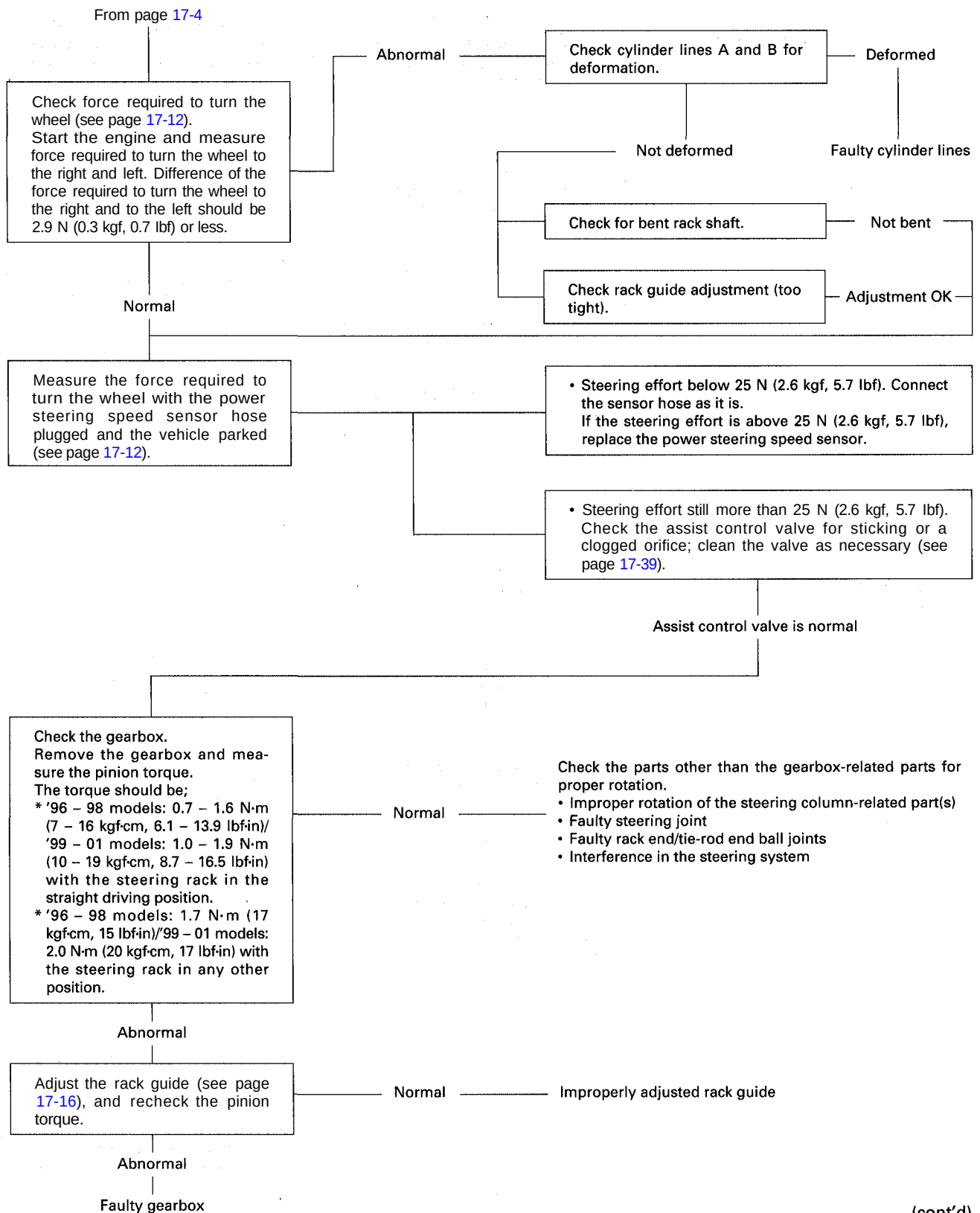
General Troubleshooting

Check the following before you begin:

- Has the suspension been modified in a way that would affect steering?
- Are tire sizes, tire variety and air pressure correct?
- Is the steering wheel original equipment or equivalent?
- Is the power steering pump belt properly adjusted?
- Is steering fluid reservoir filled to proper level?
- Is the engine idle speed correct and steady?

Hard Steering (Check the power assist (see page 17-12). If the force is over 25 N (2.6 kgf, 5.7 lbf), proceed with this troubleshooting.





(cont'd)

Troubleshooting

General Troubleshooting (cont'd)

Assist (excessively light steering) at high speed.

Check the rack guide for proper adjustment (see page [17-16](#)).

If the problem is not corrected by adjusting the rack guide, adjust the front wheel alignment (see [section 18](#)).

Shock or vibration when wheel is turned to full lock.

Check the rack guide for proper adjustment (see page [17-16](#)).

Rack guide was backed off excessively.

Adjust the rack guide.

Rack guide is adjusted properly.

Check the belt for slippage and adjust as necessary (see page [17-15](#)).

Steering wheel will not return smoothly.

Check cylinder lines A and B for deformation.

A or B cylinder line is deformed; replace it.

A and B cylinder lines are normal, check wheel alignment (see [section 18](#)).

Wheel alignment is abnormal, adjust as needed.

Wheel alignment is normal. Check the steering wheel operation and power assist check (see page [17-12](#)).

If the measurements are out of specifications, adjust the rack guide.

If the problem is not corrected by adjusting the rack guide, replace the gearbox.



Uneven or rough steering.

Improperly adjusted rack guide.

Adjust rack guide (see page 17-16).

If the problem is not corrected by adjusting the rack guide, replace the gearbox.

Belt slipping on pulley.

Adjust belt tension. Replace the belt, if necessary (see page 17-15).

Idle speed low or erratic.

If the engine stalls when the wheel is turned while the vehicle is stopped or moving at low speed, adjust idle speed (see section 11).

Air in reservoir, or check power steering fluid level.

Check power steering fluid level. If level is excessively low, check for leaks in the system. Add fluid to the specified level.

If fluid level is OK, check O-rings and seals on both ends of the pump inlet hose, and the P/S pump housing mating surfaces and drive shaft oil seal for suction leaks. Replace parts as necessary.

Steering wheel kicks back during wide turns.

Pump belt slipping on pulley (pump stops momentarily).

Adjust belt tension (see page 17-15) or replace belt.

Install the power steering pressure gauge. Close the pressure control valve fully and measure the pump pressure (see page 17-17).

Check if pump pressure is within the range 7,800 - 8,800 kPa (80 - 90 kgf/cm², 1,138 - 1,280 psi) and the gauge needle travel is 500 kPa (5 kgf/cm², 71 psi) or less. Check the flow control valve if the needle travel exceeds 500 kPa (5 kgf/cm², 71 psi). If the flow control valve is normal, replace the pump as an assembly.