

Common Fault Diagnosis and Solutions of Steering System

Fault Name	Cause Analysis	Solution
steering heavy	The steering column itself is damaged and the turning torque is large.	replace the steering column
	There is interference at the connection between the steering column and the steering gear, and after assembly, an axial or radial force will be generated on the steering gear spool.	eliminate interference
	Return oil filter is clogged.	Replace oil return filter
	The pump is severely worn or damaged, and the pressure and flow generated by low volumetric efficiency cannot meet the system requirements.	Replace the steering pump
	There is a blocked place in the entire steering system pipeline, forming a serious throttling and causing heavy steering.	Unclog the pipeline
	There is interference in the steering mechanism of the front axle.	Optimizing the Steering Mechanism
steering failure	Steering column and steering wheel nuts come off.	reattach nut
	column core shaft and the steering gear spool falls off.	reconnect
	Fuel tank level is too low.	Supplementary hydraulic oil
	Cylinder leaks.	Replacing the Power Steering Cylinder
turn off	Check whether the cylinder connecting rod is loose.	Fasten the connecting rod
	Leakage in cylinder.	Replacing the Power Steering Cylinder
	There is a large difference in the pressure of the two tires.	make the air pressure the same
	There is air in the oil.	exhaust
Steering cylinder creep	air in the system	exhaust
Steering gear element damaged	Large and hard pollution particles enter the center of the rotor web of the stator	Eliminate large particles or replace components
Steering wheel idle travel	The steering wheel nut is loose, there is air in the oil, etc.	fastening nut, exhaust
inaccurate steering	There is air in the system, there is leakage in the oil cylinder, the pump efficiency is low, and the pressure is unstable, etc.	Exhaust or replace the cylinder or replace the pump

