

# TROUBLE - SHOOTING GUIDE



A PRODUCT TRAINING INVESTIGATION

### INTRODUCTION

The Product Training Department of TEREX Division is currently undertaking an investigation dealing with the feasibility of producing a TEREX Trouble-shooting Guide. Thus far, the Product Training Department has reviewed many methods of trouble-shooting, ranging from ones used in our own heavy earthmoving equipment industry to those used in the highly innovative automotive industry. After reviewing the various trouble-shooting methods, the Product Training Department decided to make this presentation to exhibit to all interested parties the trouble-shooting method which we thought to be the best.

On the following pages is presented an example of a 33 Series Hauler Steering Trouble-shooting Guide. The method used can currently be found in the General Motors Diagnosis and Repair Manual, an automotive publication. The trouble-shooting procedures were developed by the Service Research Center of the General Motors Technical Center in Warren, Michigan. The highly illustrative format was incorporated by the publisher of the General Motors Diagnosis and Repair Manual, Creative Universal, Inc.

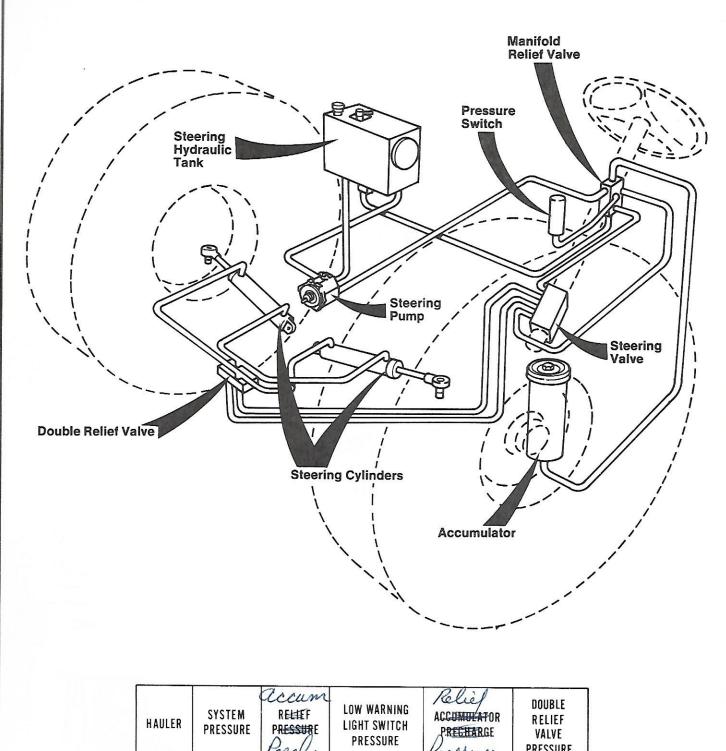
The Product Training Department wishes to know your viewpoints on the applicability of using this format on our heavy earthmoving equipment. Therefore, any positive or negative comments would be greatly appreciated.

Hank Gleissner Product Training

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TEREX Trouble - Shooting Guide

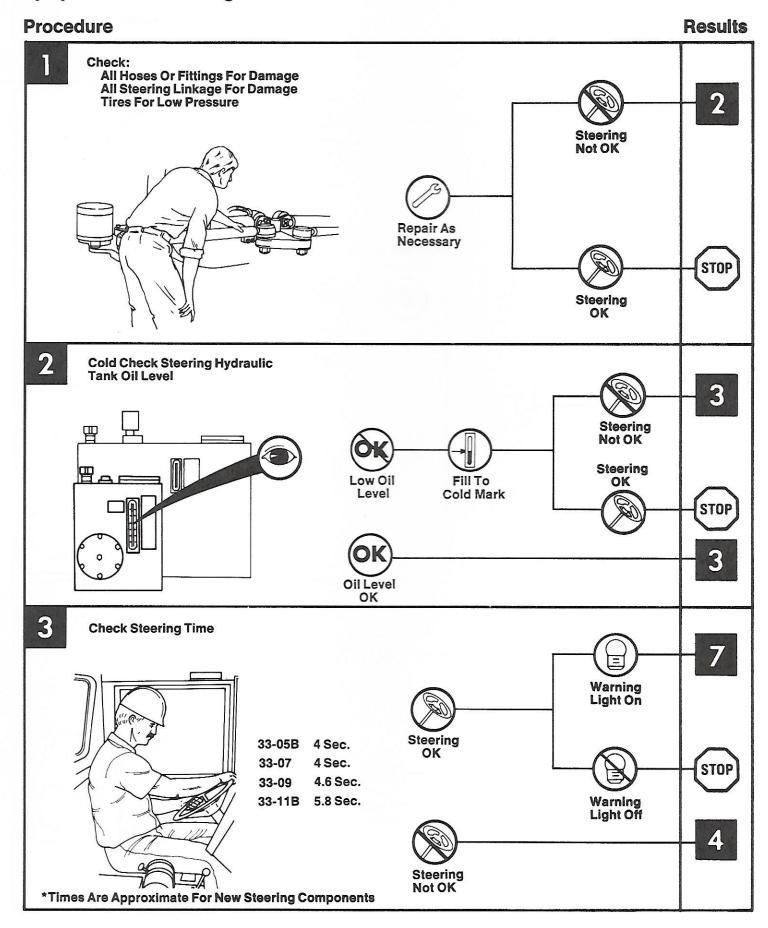
# Hauler Steering Locator

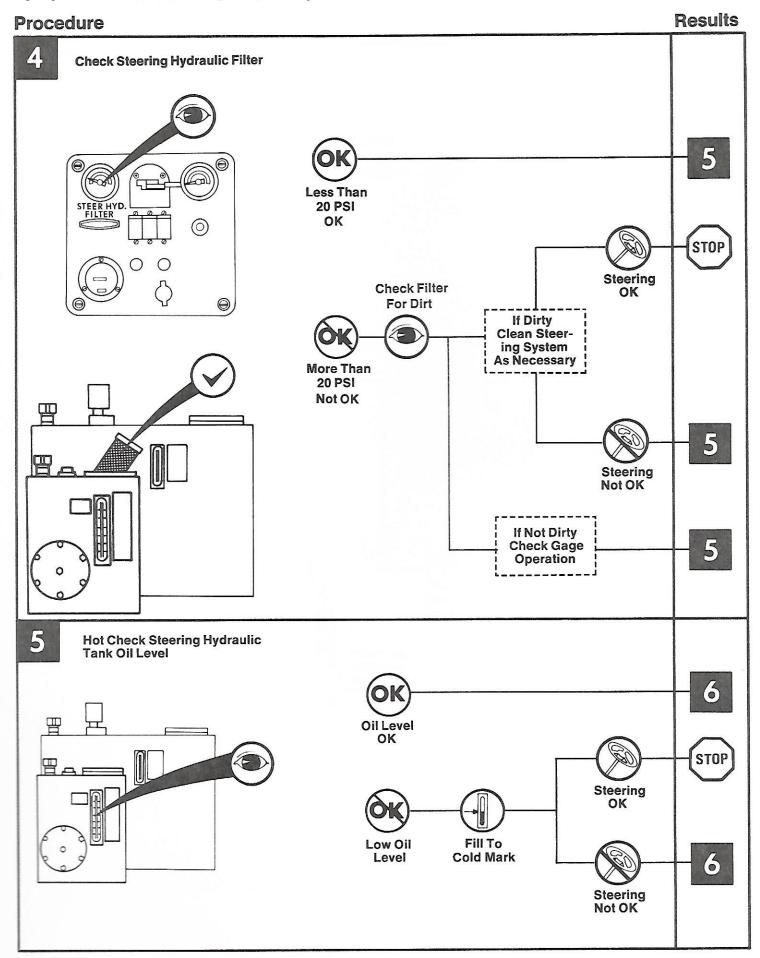


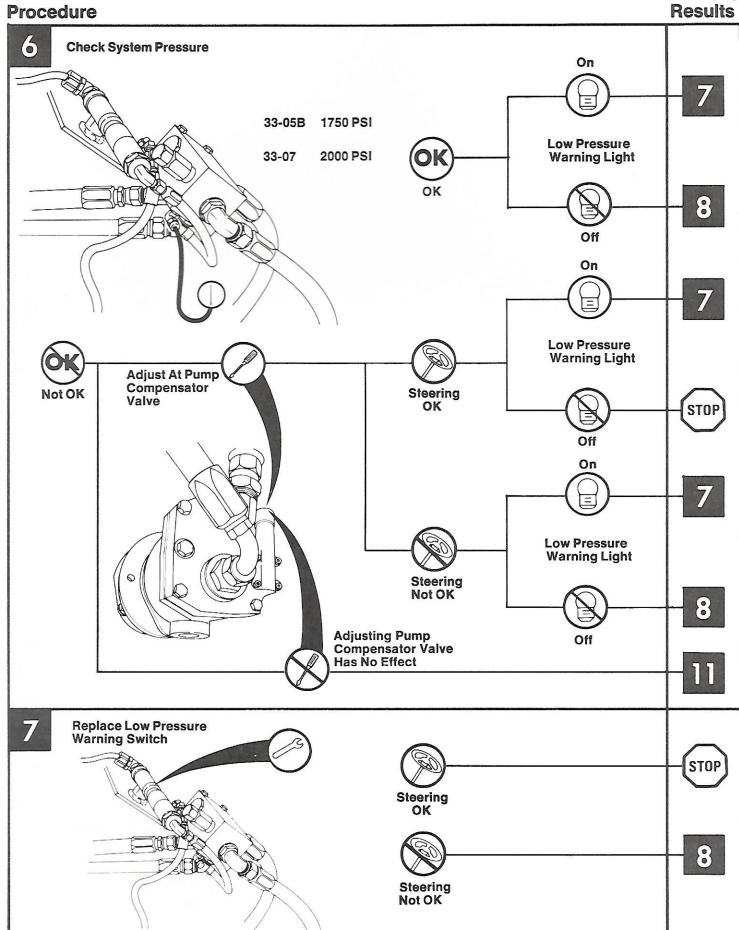
HAULER	SYSTEM Pressure	RELETE PRESSURE PRECHANA	LOW WARNING LIGHT SWITCH PRESSURE	Relief ACCUMULATOR PRECHARGE PRESSURE	DOUBLE RELIEF Valve Pressure
33-05B	1750	800	1200	2500	2000
33-07	2000	800	1200	2500	2250
33-09	2000	800	1200	2500	2250
33-11B	2000	800	1200	2500	2250

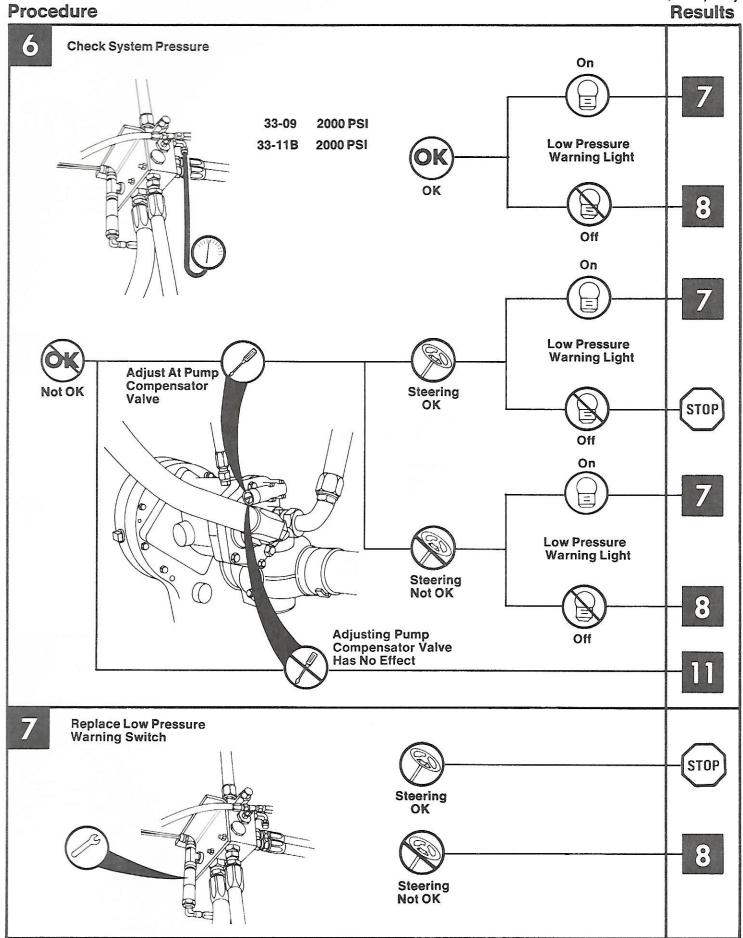
### **TEREX Trouble Shooting Guide - Hauler Steering**

**Symptom: Slow Steering** 



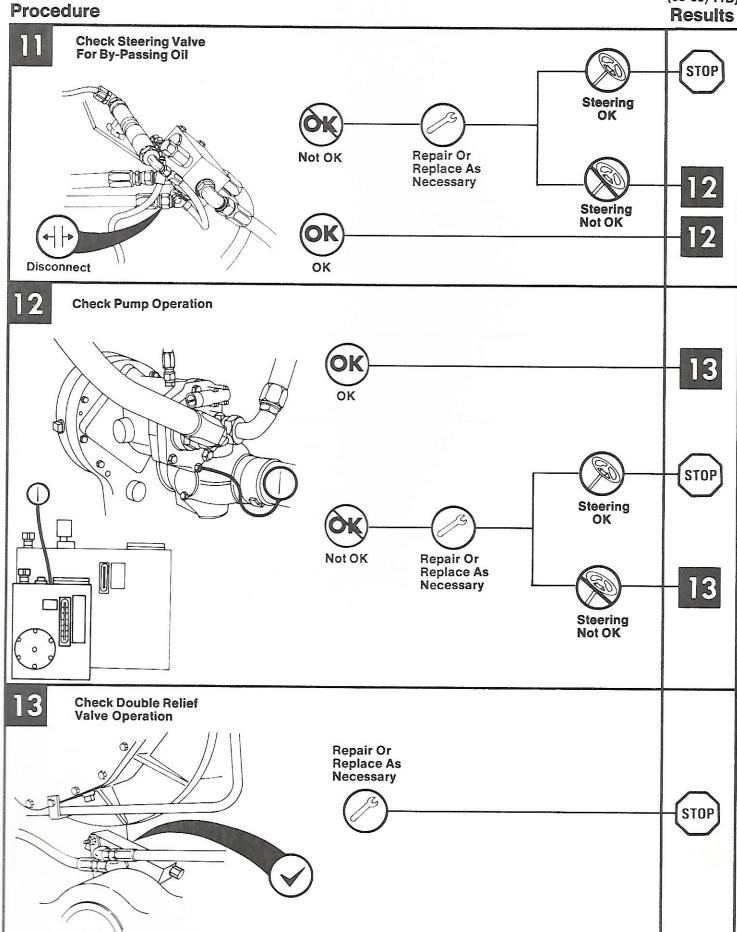




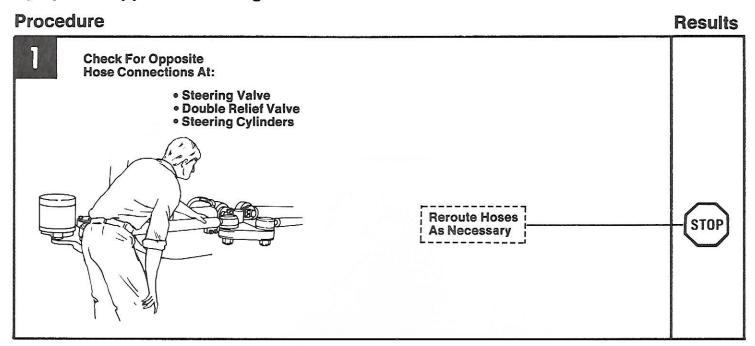


Necessary

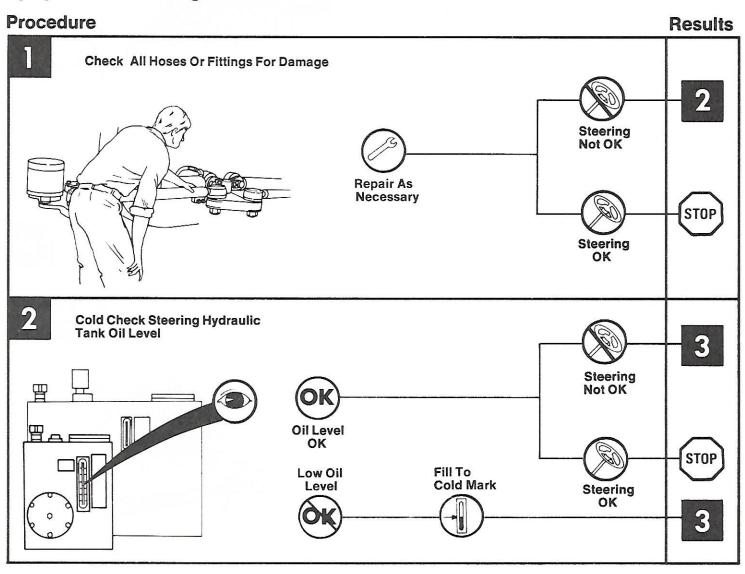
Steering Not OK

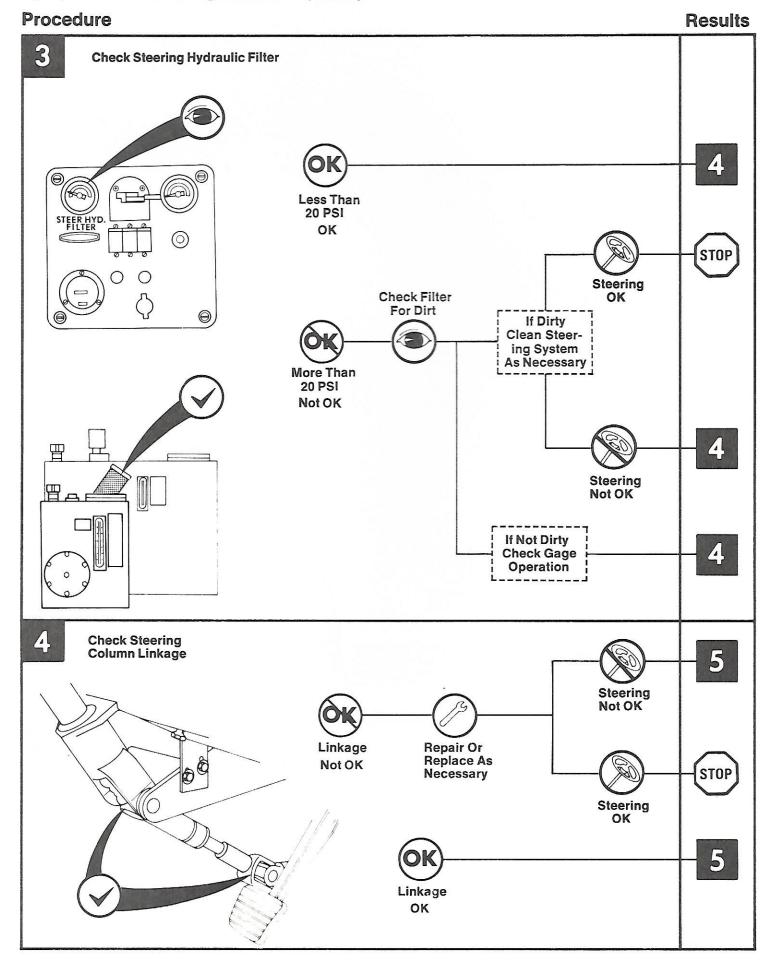


### **Symptom: Opposite Steering**

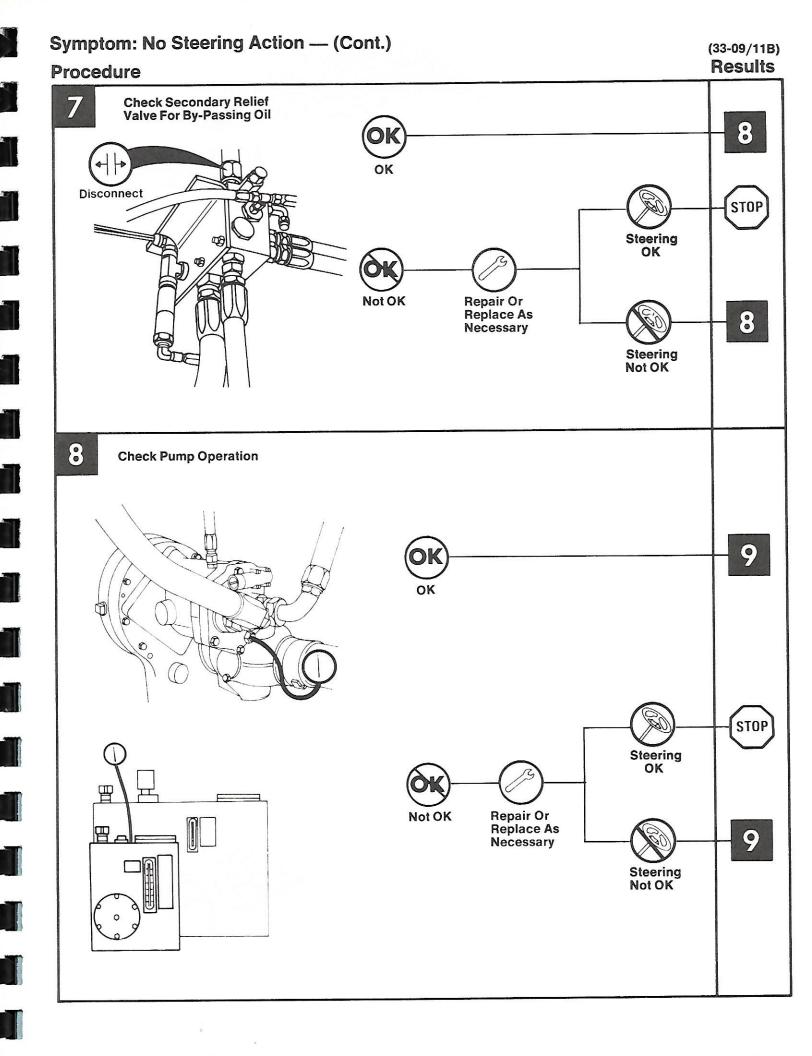


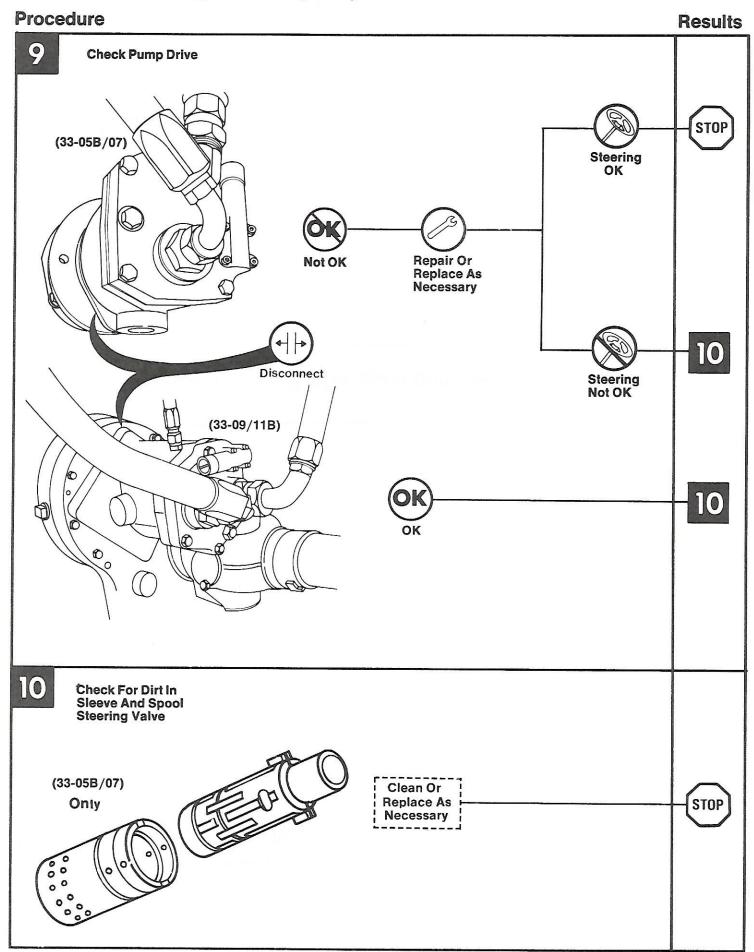
# **Symptom: No Steering Action**





Steering Not OK

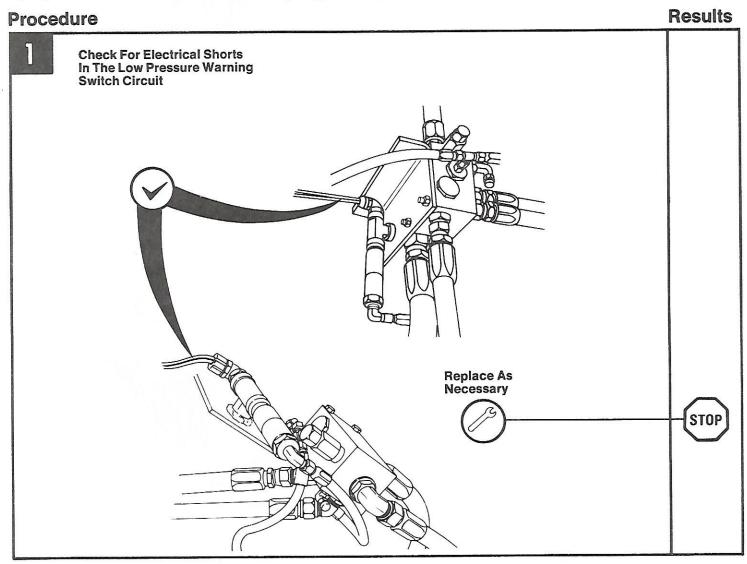




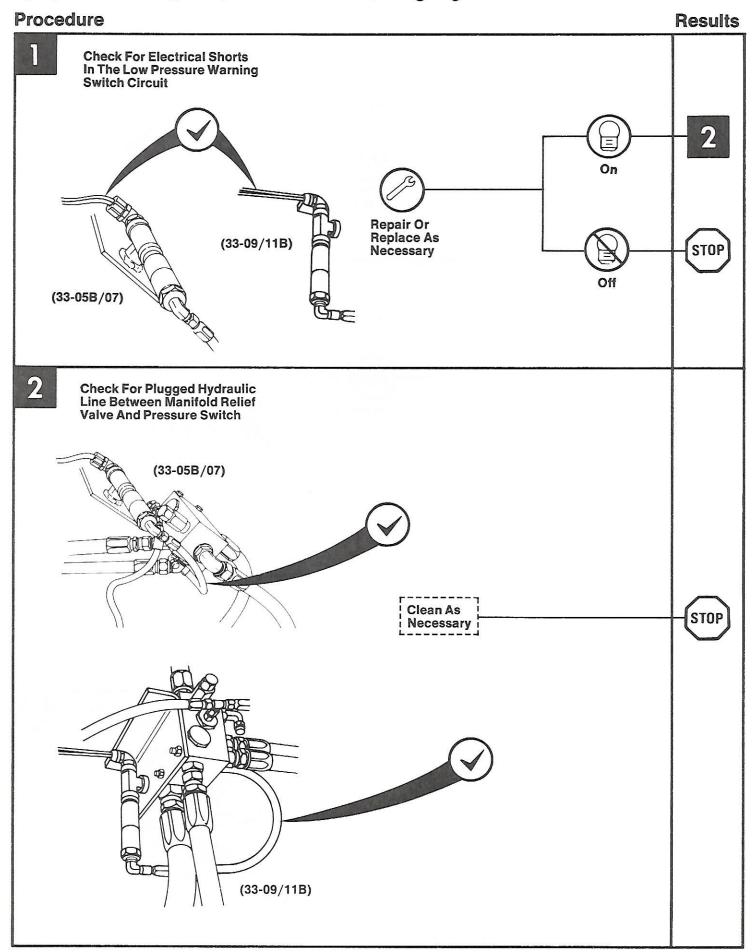
# **Symptom: Steering Wheel Does Not Center**

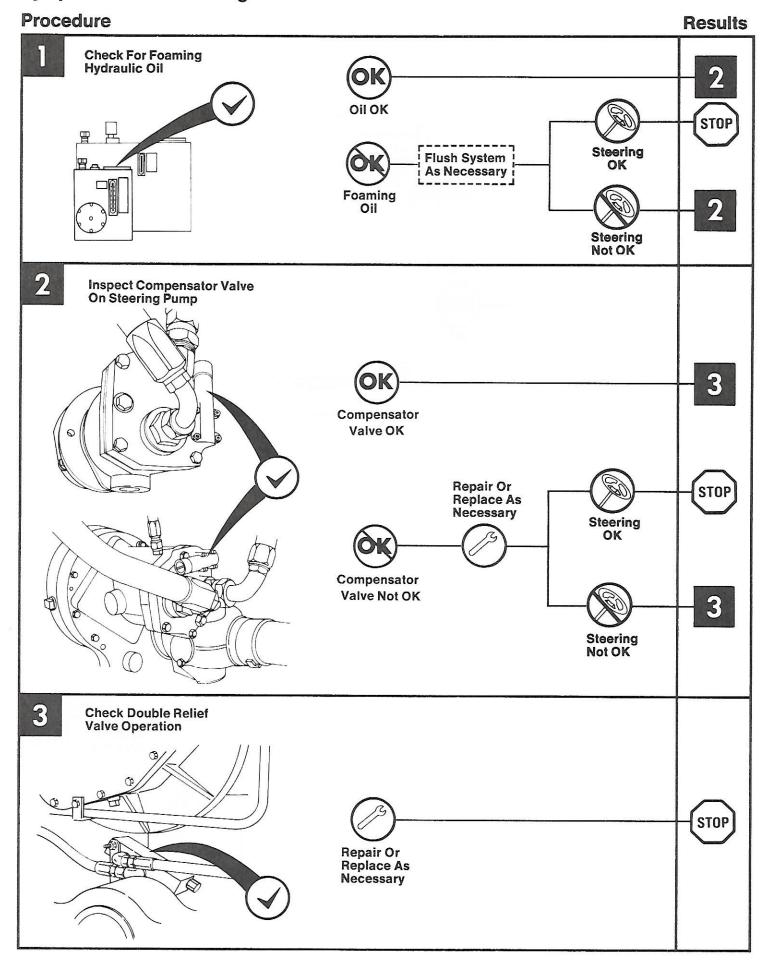
# Check For: Broken Springs In Steering Valve (33-09/11B) Replace As Necessary STOP

# Symptom: Low Pressure Warning Light Never Goes On

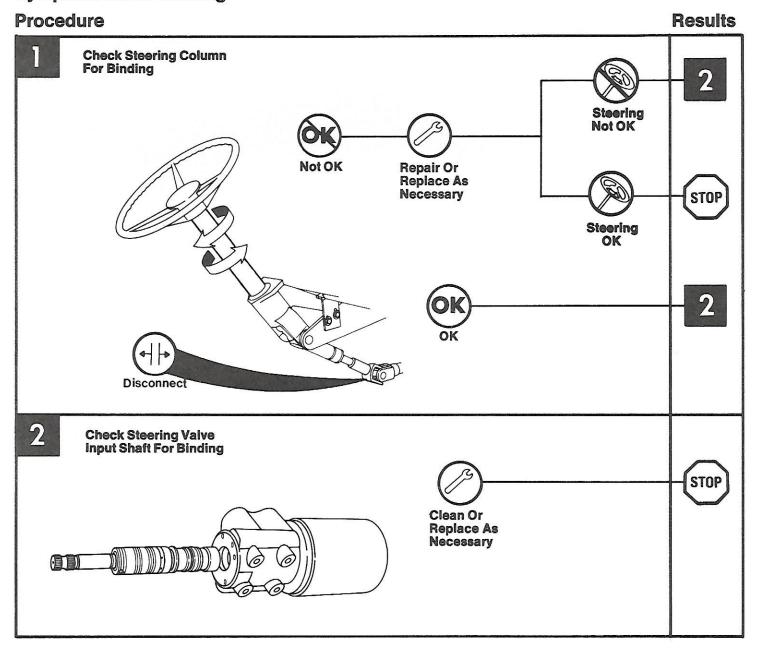


# Symptom: Steering O.K., Low Pressure Warning Light Never Goes Out





**Symptom: Hard Steering** 



### Symptom: No Steering When Steering Wheel Is Turned Slowly

