



- 1. FRONT AXLE SOLENOID SWITCH
- 2. FRONT AXLE ACTUATOR
- 3. TRANSFER CASE RELAY

Front Axle Actuator
 1-5-94
 420824880

4WD Relay (Diesel Engine Shown, Gas is Similar)

Actuator: Customer Interest
Drivetrain - Slow Or No Engagement of Front Axle

File In Section: 4 Drive Axle

Bulletin No.: 76-43-01A

Date: September, 1998

Subject:
 Slow or no Engagement of Front Axle when 4WD is selected (Replace Front Axle Actuator)

Models:
 1988-97 Chevrolet and GMC K Models
 excluding 1988-93 Models over 8500 # GVW

This bulletin is being revised to add information to the Service Procedure, add a new part number, and include schematics. Please discard Corporate Bulletin Number 76-43-01 (Section 4 - Drive Axle).

Condition

Some owners may comment that the colder the outside temperature is, the longer it takes for the front axle to engage when 4 wheel drive is selected, or the front axle does not engage.

Cause

The front axle engagement actuator is a thermally activated component. Because of this characteristic, the time required for the actuator to complete 4 wheel drive engagement is extended as the temperature drops.

Correction

Replace the front axle actuator and include the applicable wiring harness kit. Refer to the Parts Information in order to determine which wiring harness kit is needed.

1996 model trucks with a build date on or after January 2, 1996 are considered as "961". If the build date of the truck is unknown, verify the 3 character "axle code" on the front axle label in order to determine which wire harness to order.

This new actuator uses a motor to engage the front axle and is not affected by temperature. On 1988-93 models with a GVW rating over 8500\$, the new actuator cannot be installed and the thermal actuator will remain the service part.

P/N	Description	Axle Code
12376316	Kit, Actuator Wiring Harness (88-96l K1, 2)	ZLS, ZLT, ZLW ZLX, ZLY
12376317	Kit, Actuator Wiring Harness (96l-97 K1, 2)	ZWA, ZWB, ZWD ZWF, ZWG
12376318	Kit, Actuator Wiring Harness (94-96l K3)	ZLX, ZLY, ZLZ
12376319	Kit, Actuator Wiring Harness (96l-97 K3)	ZWF, ZWG, ZWH

Parts Information

P/N	Description	Qty
26060073	Actuator Asm, Frt Drive Axle	1
22510339	Fastener	1
15313272	Harness, Jumper (Z Splice) (86-93 K1-3)	1

Parts are currently available from GMSPPO.

Labor Operation	Description	Labor Time
F0025	Actuator, Front Differential Locking, Replace	Use published labor operation time
N6112	Wiring and/or Connector - Repair	

Warranty Information

Some owners with actuators that are operating as designed (5-30 seconds engagement time) may choose to upgrade to the fast actuator at their own expense. The fast actuator is a new product enhancement and should not be used to replace actuators that are operating as designed.

For vehicles repaired under warranty, use: