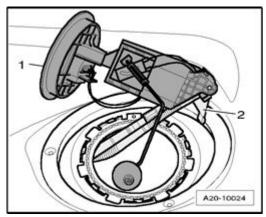
#### 2014 STEERING Power Steering - SRX

## POWER STEERING FLUID RESERVOIR REPLACEMENT (LF1, LFW, OR LFX)



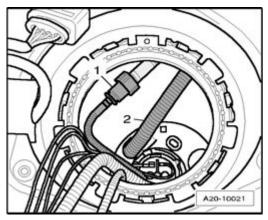
**Fig. 7: View Of Power Steering Hoses & Fluid Reservoir (LF1)** Courtesy of GENERAL MOTORS COMPANY

#### Power Steering Fluid Reservoir Replacement (LF1, LFW, or LFX)

Callout	Callout Component Name			
Preliminary Procedure				
	we the intake manifold cover. Refer to Intake Manifold Cover Replacement			
2. Remov	2. Remove the power steering fluid from the reservoir.			
3. Place a	3. Place a drain pan under the vehicle.			
1	Power Steering Reservoir Outlet Hose			
2	2 Power Steering Gear Outlet Hose			
	Bolt			
	CAUTION:			
3	Refer to <u>Fastener Caution</u> .			
	Tighten			
	9 N.m (80 lb in)			
	Power Steering Reservoir			
4	Procedure			
4				
	1. Use a flat bladed tool to disengage the reservoir from the reservoir bracket.			
	2. Fill and bleed the power steering system. Refer to <b>Power Steering System Bleeding</b>			

# POWER STEERING FLUID RESERVOIR BRACKET REPLACEMENT (LF1, LFW, OR LFX)

#### 2014 STEERING Power Steering - SRX



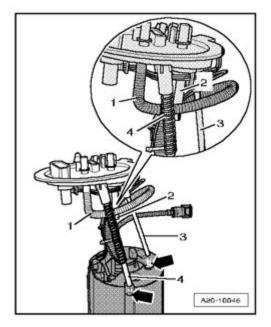
**Fig. 8: Power Steering Fluid Reservoir Bracket (V6) Courtesy of GENERAL MOTORS COMPANY** 

#### Power Steering Fluid Reservoir Bracket Replacement (LF1, LFW, or LFX)

Callout	Component Name				
Preliminary	Preliminary Procedure				
2. Remov	the the intake manifold cover. Refer to <b>Intake Manifold Cover Replacement</b> the the power steering Reservoir from the bracket only. Do not remove the hoses. Refer to <b>Steering Fluid Reservoir Replacement (LF1, LFW, or LFX)</b> .				
	Bolt (Qty: 2) CAUTION: Refer to <u>Fastener Caution</u> .				
	Tighten 9 N.m (80 lb in)				
2	Power Steering Reservoir Bracket				

## POWER STEERING PUMP PULLEY REPLACEMENT

#### 2014 STEERING Power Steering - SRX



# **Fig. 9: Power Steering Pump Pulley** Courtesy of GENERAL MOTORS COMPANY

#### **Power Steering Pump Pulley Replacement**

Callout	Component Name			
Preliminary	/ Procedure			
Remove the	power steering pump. Refer to <b>Power Steering Pump Replacement</b> .			
	Power Steering Pump Pulley			
	Procedure			
	1. Use the CH-25034-C remover to remove the power steering pump pulley.			
	2. Use the CH-25033-C installer to install the power steering pump pulley.			
	NOTE:			
1	Ensure the power steering pump pulley is flush with the power steering pump shaft and is aligned with the other pulleys.			
	Special Tools			
	• CH-25033-C Pulley Installer			
	• CH-25034-C Pulley Remover			
	For equivalent regional tools, refer to Special Tools.			

### POWER STEERING PUMP REPLACEMENT

#### 2014 STEERING Power Steering - SRX

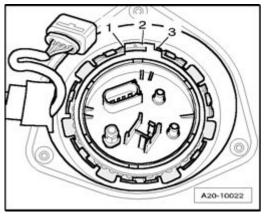


Fig. 10: View Of Power Steering Pump & Bolts Courtesy of GENERAL MOTORS COMPANY

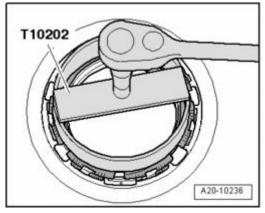
## **Power Steering Pump Replacement**

Callout     Component Name					
Preli	Preliminary Procedure				
1.	Place	drain pans under the vehicle.			
2.	Remove as much power steering fluid from the power steering fluid reservoir as possible.				
3.					
4.	Remove the right front tire and wheel assembly. Refer to <b><u>Tire and Wheel Removal and</u></b> <b>Installation</b> .				
5.	. Disconnect the power steering fluid reservoir outlet hose from the power steering pump. Refer to <b>Power Steering Fluid Reservoir Outlet Hose Replacement (LF1, LFW, or LFX)</b> .				
6.	<ol> <li>Disconnect the power steering gear inlet hose from the power steering pump. Refer to <u>Power</u> Steering Gear Inlet Pipe/Hose Replacement (LHD and LF1, or LFW, or LFX).</li> </ol>				
	Power Steering Pump Bolt (Qty: 3)				
	1	CAUTION: Refer to <u>Fastener Caution</u> .			
		<b>TIP:</b> Note the routing for installation. <b>Tighten</b> 22 N.m (16 lb ft)			
		Power Steering Pump			
	2	Procedure			
		<ol> <li>Remove the power steering pump through the right front wheel well opening.</li> <li>Transfer the power steering pump pulley. Refer to <u>Power Steering Pump Pulley</u></li> </ol>			

#### 2014 STEERING Power Steering - SRX

- Replacement.
- 3. Fill and bleed the power steering system. Refer to **Power Steering System Bleeding**.
- 4. Clean any excess power steering fluid from the vehicle.

#### STEERING LINKAGE OUTER TIE ROD REPLACEMENT



# **Fig. 11: View Of Steering Linkage Outer Tie Rod Courtesy of GENERAL MOTORS COMPANY**

#### **Steering Linkage Outer Tie Rod Replacement**

Callout	Component Name		
Preliminary	v Procedures		
1. Raise	and support the vehicle. Refer to Lifting and Jacking the Vehicle.		
2. Remov	ve the front tire and wheel assembly. Refer to <b><u>Tire and Wheel Removal and Installation</u></b> .		
	Steering Linkage Outer Tie Rod Nut		
	CAUTION:		
	Refer to Fastener Caution .		
1			
	Tighten		
	1. 25 N.m (18 lb ft)		
	2. 90 degrees		
	Steering Linkage Inner Tie Rod Nut		
	Procedure		
2			
	1. Use paint in order to place match marks on the steering linkage inner tie rod nut and on the steering linkage inner tie rod.		
	2. During installation, align the match marks.		

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	Steering Linkage Outer Tie Rod
	CAUTION:
	Do not free the ball stud by using a pickle fork or a wedge-type tool. Damage to the se or bushing may result.
	Procedure
3	1. Use the <b>CH-24319-B</b> puller in order to separate the steering linkage outer tie rod from the steering knuckle.
	2. Inspect the steering linkage inner tie rod for bent or damaged threads.
	3. Clean the tapered surface of the steering knuckle.
	4. After the installation is complete, measure and adjust the front toe. Refer to <u>Wheel</u> <u>Alignment - Steering Wheel Angle and/or Front Toe Adjustment</u> .
	Special Tools

## STEERING GEAR BOOT REPLACEMENT

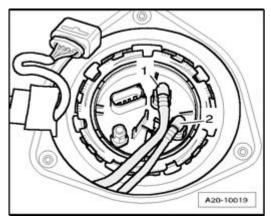


Fig. 12: Id	lentifying	Steering	Gear Boot,	Clamps &	<u>k Tie Rod Nut</u>
0		0	<b>TORS CON</b>	-	

## **Steering Gear Boot Replacement**

Cal	llout	Component Name	
Preliminary Procedures			
1.	Raise a	nd support the vehicle. Refer to Lifting and Jacking the Vehicle.	
2.	Remov	e the steering linkage outer tie rod. Refer to Steering Linkage Outer Tie Rod	