

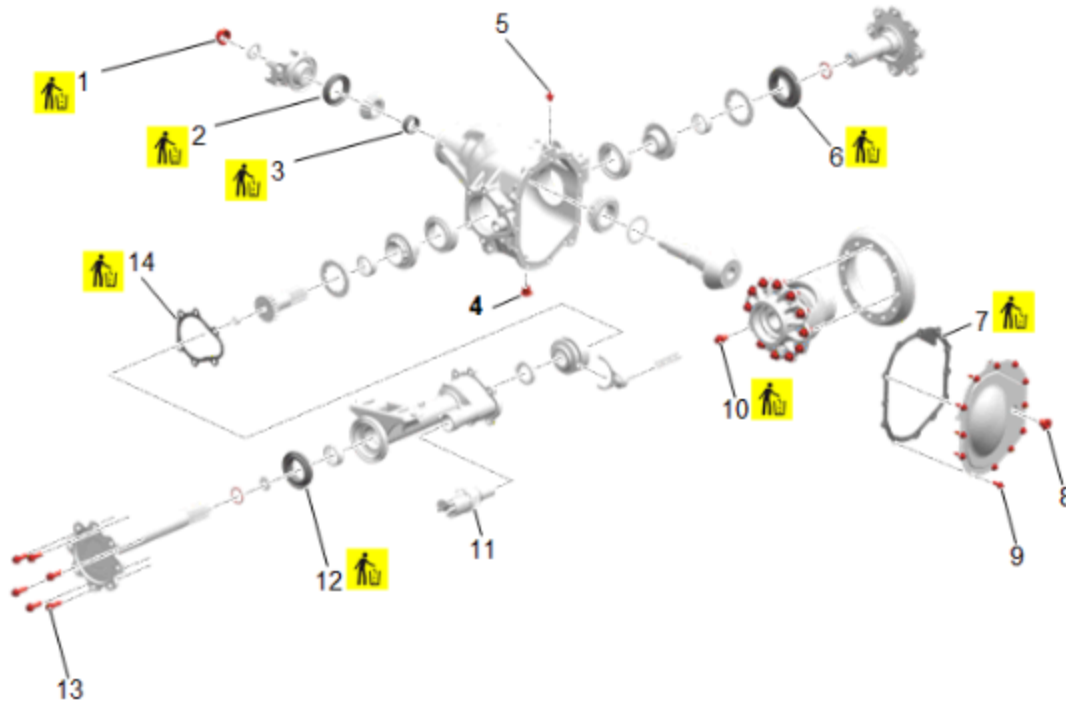
Fastener Specifications

Table 1: [Front Differential Carrier and Components](#)

Table 2: [Front Differential Carrier Mounting](#)

Front Differential Carrier and Components

© 2024 General Motors. All rights reserved.



Front Differential Carrier and Components

Callout	Component Name [Component Quantity]	Single Use Fastener/Component	Thread Locking Adhesive Required	Specification	Procedure
				Metric (English)	

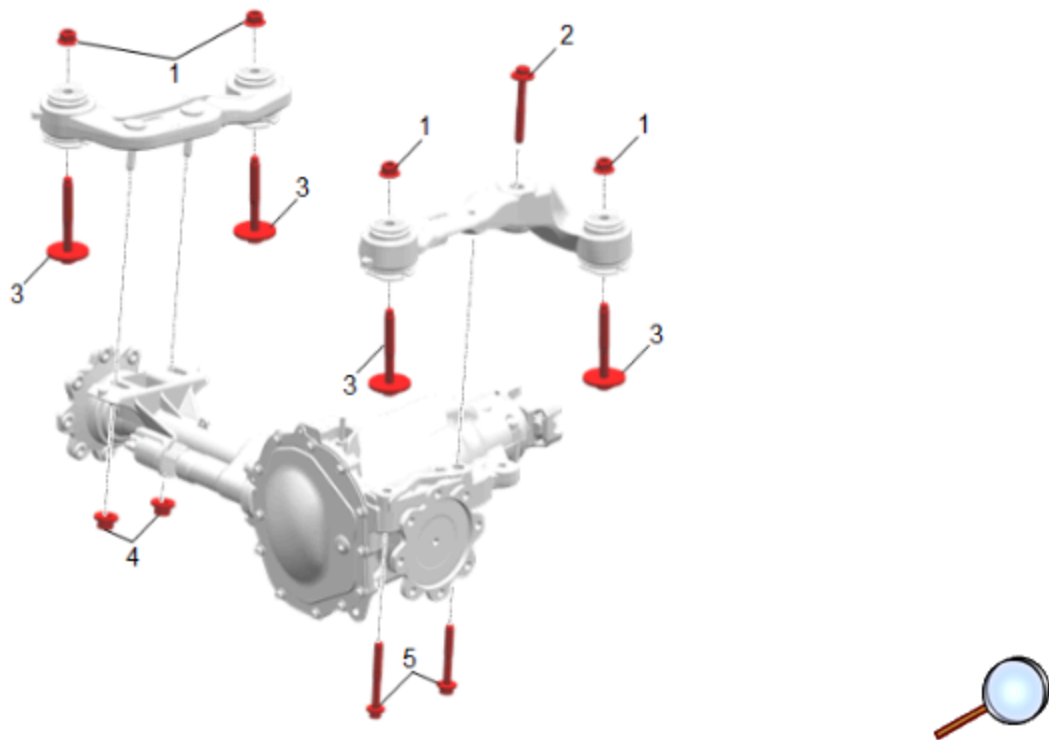
Callout	Component Name [Component Quantity]	Single Use Fastener/Component	Thread Locking Adhesive Required	Specification	Procedure
				Metric (English)	
1	Front Differential Drive Pinion Gear Nut	Yes	—	Used Bearings Tighten the pinion nut, in small increments, as needed, until the torque required to rotate the pinion is 0.40-0.57 N•m (3-5 lb in) greater than the torque recorded during removal.	Front Differential Drive Pinion Gear Yoke Replacement
				New Bearings Tighten the pinion nut, in small increments, as needed, until the torque required to rotate the pinion is 2.7-3.9 N•m (23-35 lb in) .	Front Differential Drive Pinion Gear Inner Bearing Replacement
2	Front Differential Drive Pinion Gear Seal	Yes	—	—	Front Differential Drive Pinion Gear Seal Replacement
3	Front Differential Drive Pinion Gear Bearing Spacer	Yes	—	—	Front Differential Ring and Drive Pinion Gear Replacement
4	Front Differential Carrier Oil Drain Plug	—	—	33 N•m(24 lb ft)	Front Axle Lubricant Replacement
5	Front Differential Carrier Vent Hose Connector	—	Yes	28 N•m (21 lb ft)	Front Axle Vent Hose Connector Replacement
6	Front Wheel Drive Shaft Seal	Yes	—	—	Front Wheel Drive Shaft Seal Replacement - Left Side

Callout	Component Name [Component Quantity]	Single Use Fastener/Component	Thread Locking Adhesive Required	Specification	Procedure
				Metric (English)	
7	Front Differential Carrier Cover Gasket	Yes	—	—	Front Differential Carrier Cover Gasket Replacement
8	Front Differential Carrier Oil Filler Plug	—	—	33 N•m(24 lb ft)	Front Axle Lubricant Level Inspection
9	Front Axle Housing Cover Bolt [12x]	—	Yes	42 N•m(31 lb ft)	Front Differential Carrier Cover Replacement
10	Front Differential Ring Gear Bolt [12x]	Yes	Yes	First Pass: 100 N•m (74 lb ft) Final Pass: 20 degrees	Front Differential Ring and Drive Pinion Gear Replacement
11	Front Drive Axle Actuator	—	—	30 N•m(22 lb ft)	Front Drive Axle Actuator Replacement
12	Front Wheel Drive Shaft Seal	Yes	—	—	Front Wheel Drive Shaft Seal Replacement - Right Side
13	Front Drive Axle Inner Shaft Housing Bolt [6x]	—	—	First Pass: 40 N•m (30 lb ft) Final Pass: 35 degrees	Front Drive Axle Inner Shaft Housing Replacement
14	Front Differential Carrier Cover Gasket	Yes	—	—	Front Drive Axle Inner Shaft Housing Replacement

© 2024 General Motors. All rights reserved.

[Front Differential Carrier Mounting](#)

© 2024 General Motors. All rights reserved.



Front Differential Carrier Mounting

Callout	Component Name [Component Quantity]	Single Use Fastener/Component	Thread Locking Adhesive Required	Specification	Procedure
				Metric (English)	
1	Front Differential Carrier Bracket Nut [4x]	—	—	—	Front Differential Carrier Bracket Replacement - Right Side Front Differential Carrier Bracket Replacement - Left Side
2	Front Differential Carrier Bolt	—	—	110 N•m(81 lb ft)	Front Axle Replacement

Callout	Component Name [Component Quantity]	Single Use Fastener/Component	Thread Locking Adhesive Required	Specification	Procedure
				Metric (English)	
3	Front Differential Carrier Bracket Bolt [4x]	—	—	160 N•m(118 lb ft)	Front Differential Carrier Bracket Replacement - Right Side Front Differential Carrier Bracket Replacement - Left Side
4	Front Differential Carrier Bracket Nut [2x]	—	—	100 N•m(74 lb ft)	Front Axle Replacement
5	Front Differential Carrier Bolt [2x]	—	—	110 N•m(81 lb ft)	Front Axle Replacement