



TECHNICAL SERVICE BULLETIN

Illuminated ABS Warning Indicator With DTC C0030:07 Stored In The ABS Module - Built On 04-Aug-2022 And Through 05-Aug-2022

22-241307 December
2022**Model:**

Ford 2022 Bronco Sport	Built on 04-Aug-2022 and through 05-Aug-2022
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Issue: Some 2022 Bronco Sport vehicles built on 04-Aug-2022 and through 05-Aug-2022 may exhibit an illuminated anti-lock brake system (ABS) warning indicator with diagnostic trouble code (DTC) C0030:07 stored in the ABS module. The vehicle may also exhibit a squeal noise from the left front wheel area. This may be due to a condition where the wheel bearing and snap ring are not fully seated in the left wheel knuckle causing contact between the front halfshaft and wheel knuckle. To correct this condition, follow the Service Procedure to diagnose and replace the wheel knuckle, hub, bearing and front halfshaft.

Action: Follow the Service Procedure to correct the condition on vehicles that meet all the following criteria:

- 2022 Bronco Sport
- Built on 04-Aug-2022 and through 05-Aug-2022
- Illuminated ABS warning indicator with DTC C0030:07

Parts

Service Part Number	Quantity	Description	Unit of Issue	Piece Quantity
CCPZ-3B477-G	1	Retainer Nut	1	1
LX6Z-1104-B	1	Wheel Hub Assembly	1	1
LX6Z-1215-A	1	Wheel Bearing	1	1
LX6Z-3K186-A	1	Left Wheel Knuckle	1	1
CV6Z-7059-A	1	Snap Ring	1	1
W520203-S440	1	Left Tie Rod Bolt	1	1
W719924-S439	1	Left Ball Joint Pinch Bolt	4	1
W520515-S442	1	Left Ball Joint Pinch Nut	4	1
W719460-S439	1	Strut To Wheel Knuckle Bolts	4	2
W520516-S442	1	Strut To Wheel Knuckle Nuts	4	2
W715624-S439	1	Brake Caliper Bolts	4	2
LX6Z-3B437-B	1	Left Front Drive Halfshaft (Part Time 4WD)	1	1
LX6Z-3B437-N	1	Left Front Drive Halfshaft (Full Time 4WD)	1	1
JM5Z-1S177-A	1	Left Halfshaft Seal	1	1
PM-4-A	As Needed	Motorcraft® Metal Brake Parts Cleaner (Compliant With Low Volatile Organic Compound Requirements As Required In		

		Some USA States)		
PM-4-B	As Needed	Motorcraft® Metal Brake Parts Cleaner (Not Compliant With Volatile Organic Compound Requirements)		
XL-2	As Needed	Motorcraft® High Temperature Nickel Anti-Seize Lubricant		

Parts

Parts To Inspect And Replace Only If Necessary

Service Part Number	Quantity	Description
XT-12-QULV	If Needed	Motorcraft® MERCON® ULV Automatic Transmission Fluid

Quantity refers to the amount of the service part number required to repair the vehicle.

Unit of Issue refers to the number of individual pieces included in a service part number package.

Piece Quantity refers to the total number of individual pieces required to repair the vehicle.

As Needed indicates the amount of the part may vary and/or is not a whole number. Parts can be billed out as non-whole numbers, including less than 1.

If Needed indicates the part is not mandatory.

Warranty Status: Eligible under provisions of New Vehicle Limited Warranty (NVLW)/Service Part Warranty (SPW)/Special Service Part (SSP)/Extended Service Plan (ESP) coverage. Limits/policies/prior approvals are not altered by a TSB. NVLW/SPW/SSP/ESP coverage limits are determined by the identified causal part and verified using the OASIS part coverage tool.

Labor Times

Description	Operation No.	Time
2022 Bronco Sport: Remove The Left Front Wheel Hub Assembly Inspect (Fail) Replace The Wheel Knuckle, Wheel Bearing And Halfshaft Following The Service Procedure (Can Be Claimed With Operation B)	222413A	2.4 Hrs.
Additional Time To Check And Correct Front Toe (Can Be Claimed With Operation A)	222413B	0.6 Hrs.

Repair/Claim Coding

Causal Part:	1215
Condition Code:	17

Service Procedure

1. Remove the left front wheel hub assembly. Refer to the Workshop Manual (WSM), Section 204-01 Front Wheel Bearing and Wheel Hub > Removal and Installation.
2. Inspect if the wheel bearing and snap ring are fully seated with metallic particles in the bearing surface. Does the vehicle exhibit a wheel bearing snap ring and/or wheel bearing not fully seated in the left front wheel knuckle with metallic particles in the bearing surface?
 - (1). Yes - proceed to Step 3.
 - (2). No - reinstall the left front wheel knuckle assembly with a new wheel bearing and snap ring. Road test at a speed greater than 12 mph (20 km/h) to clear DTC C0030:07. Repair is complete.
3. Replace the left front wheel knuckle, left front wheel hub and wheel bearing, and left front halfshaft.
 - (1). For left front wheel knuckle, refer to the WSM, Section 204-01 Front Suspension > Removal and Installation.
 - (2). For left front wheel hub and wheel bearing, refer to the WSM, Section 204-01 Front Wheel Bearing and Wheel Hub > Removal and Installation.
 - (3). For left front halfshaft, refer to the WSM, Section 205-04 Front Drive Halfshafts > Removal and Installation.
4. Road test at a speed greater than 12 mph (20 km/h) to clear DTC C0030:07.

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NOTE: The information in Technical Service Bulletins is intended for use by trained, professional technicians with the knowledge, tools, and equipment to do the job properly and safely. It informs these technicians of conditions that may occur on some vehicles, or provides information that could assist in proper vehicle service. The procedures should not be performed by "do-it-yourselfers". Do not assume that a condition described affects your car or truck. Contact a Ford or Lincoln dealership to determine whether the Bulletin applies to your vehicle. Warranty Policy and Extended Service Plan documentation determine Warranty and/or Extended Service Plan coverage unless stated otherwise in the TSB article. The information in this Technical Service Bulletin (TSB) was current at the time of printing. Ford Motor Company reserves the right to supersede this information with updates. The most recent information is available through Ford Motor Company's on-line technical resources.