

Models	1991-92 Truck/ Pathfinder
Section	Propeller Shaft & Diff. Carrier
Classification	PD92-002
Bulletin No.	NTB92-067
Date	September 8, 1992

D21/WD21 REAR DIFFERENTIAL NOISE

APPLIED MODEL: 1991-92 Truck(D21)/ Pathfinder(WD21), with the VG30 Engine.

APPLIED VIN: Start of 1993 D21/WD21 Production.

SERVICE INFORMATION:

On some 1991 and 1992 Truck/Pathfinder vehicles, equipped with the VG30 Engine (2 or 4 Wheel Drive), drivers may describe a loud whine heard from the rear differential at speeds from 25 to 45 mph. Applied vehicles are equipped with the H233B Model Final Drive Assembly (2 and 4 pinion type).

Some drivers describe these whine noises as occurring only on acceleration or deceleration, while others describe them as occurring at constant speeds. This noise is typically first identified at very low vehicle mileage (less than 2,000 miles).

The source of such noise may be the rear differential gear set. The countermeasure gear set is cut at a reduced contact angle.

SERVICE PROCEDURE:

1. Test drive vehicle and verify differential whine.
2. Remove and replace final drive assembly with countermeasure parts.

PARTS INFORMATION:

[see next page]

WARRANTY INFORMATION:

	<u>OpCode</u>	<u>PNC</u>	<u>CS</u>	<u>"H" Type</u> <u>CT</u>	<u>FRT</u>
<u>Operation</u> R & I Final Drive Ass'y.	LB01AA	38300	4R	31	2.1hrs.
<u>Combination:</u> Rpl. Final Drive Ass'y.	LB021A				0.1hrs.

Index # **033148**

PARTS INFORMATION:

D21/WD21 Rear Final Drive Assembly Application Listing With VG30 Engine and H233B Rear Final Drive Assembly

TRUCK(D21)

<u>Axle Ratio</u>	<u>Model</u>	<u>Tire Size (Rear Brakes)</u>	<u>Diff. Type</u>	<u>Former P/N</u>	<u>Countermeasure P/N</u>
3.700	2WD/MT/SE	P215 (DRUM)	STD.	38300-S5109	38300-K0109
3.900	2WD/AT/SE	P215 (DRUM)	STD.	38300-S5209	38300-K0209
4.375	2WD/AT/HD	LT195 (DRUM)	STD.	38300-S5469	38300-K0469
4.625	2WD/MT/HD	LT195 (DRUM)	STD.	38300-S5569	38300-K0569
4.375	4WD/MT/SE	P235(DRUM)	STD.	38301-84G16	38301-88G12
4.375	4WD/MT/SE	31x10.5 (DRUM)	L.S.D.	38301-84G77	38301-88G73
4.625	4WD/AT/SE	P235 (DRUM)	STD.	38301-85G14	38301-89G10
4.625	4WD/AT/SE	31x10.5 (DRUM)	L.S.D.	38301-85G76	38301-89G72

PATHFINDER (WD21)

<u>Axle Ratio</u>	<u>Model</u>	<u>Tire Size (Rear Brakes)</u>	<u>Diff. Type</u>	<u>Former P/N</u>	<u>Countermeasure P/N</u>
4.375	2WD/MT/XE	P235 (DRUM)	STD.	38301-84G16	38301-88G12
4.375	2WD/AT/XE	P235 (DRUM)	STD.	38301-84G16	38301-88G12
4.375	4WD/MT/XE	P235 (DRUM)	STD.	38301-84G16	38301-88G12
4.375	4WD/MT/XE	P235 (DRUM)	L.S.D.	38301-84G76	38301-88G72
4.375	4WD/AT/XE	P235 (DRUM)	STD.	38301-84G16	38301-88G12
4.375	4WD/AT/XE	P235 (DRUM)	L.S.D.	38301-84G76	38301-88G72
4.375	4WD/MT/SE	P235 (DRUM)	STD.	38301-84G16	38301-88G12
4.375	4WD/MT/SE	31x10.5 (DISC)	L.S.D.	38301-84G67	38301-86G63
4.625	4WD/AT/SE	P235 (DRUM)	STD.	38301-85G14	38301-89G10
4.625	4WD/AT/SE	31x10.5 (DISC)	L.S.D.	38301-85G66	38301-87G62

Notes: 1. Std.=Conventional Differential
2. L.S.D.=Limited Slip Differential