

PROPELLER SHAFT &
DIFFERENTIAL CARRIER

SECTION PD

MODIFICATION NOTICE:

- Wiring Diagrams have been changed.
- Service Data and Specifications have been changed.

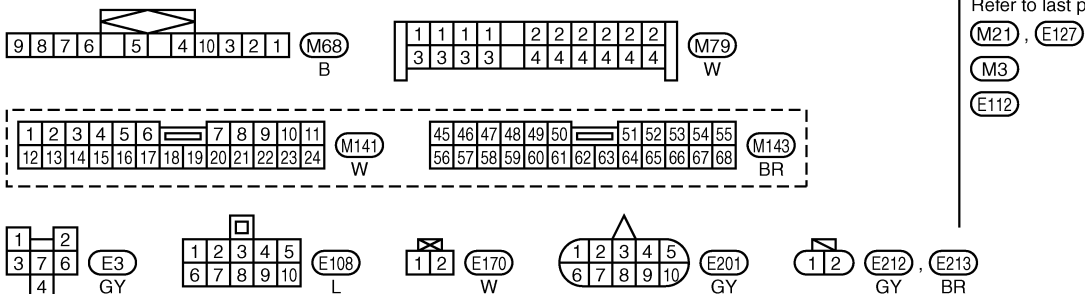
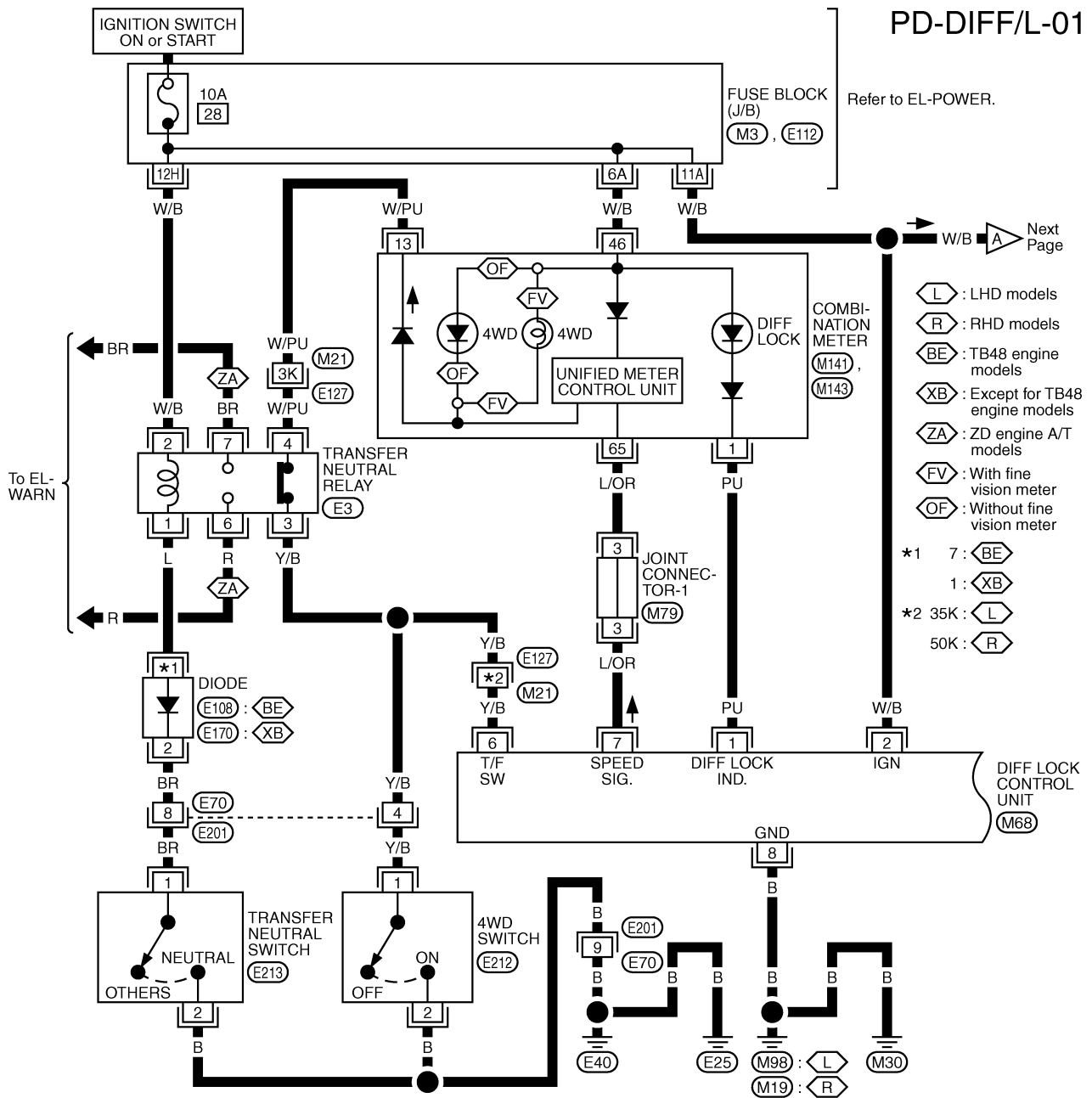
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DIFFERENTIAL LOCK

Wiring Diagram — DIFF/L —

PD-DIFF/L-01



Refer to last page (Foldout page).

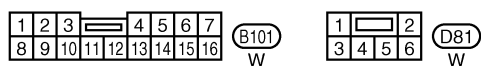
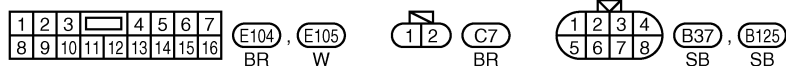
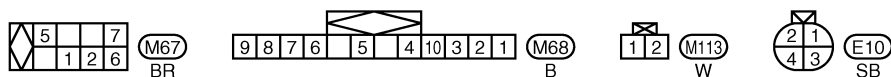
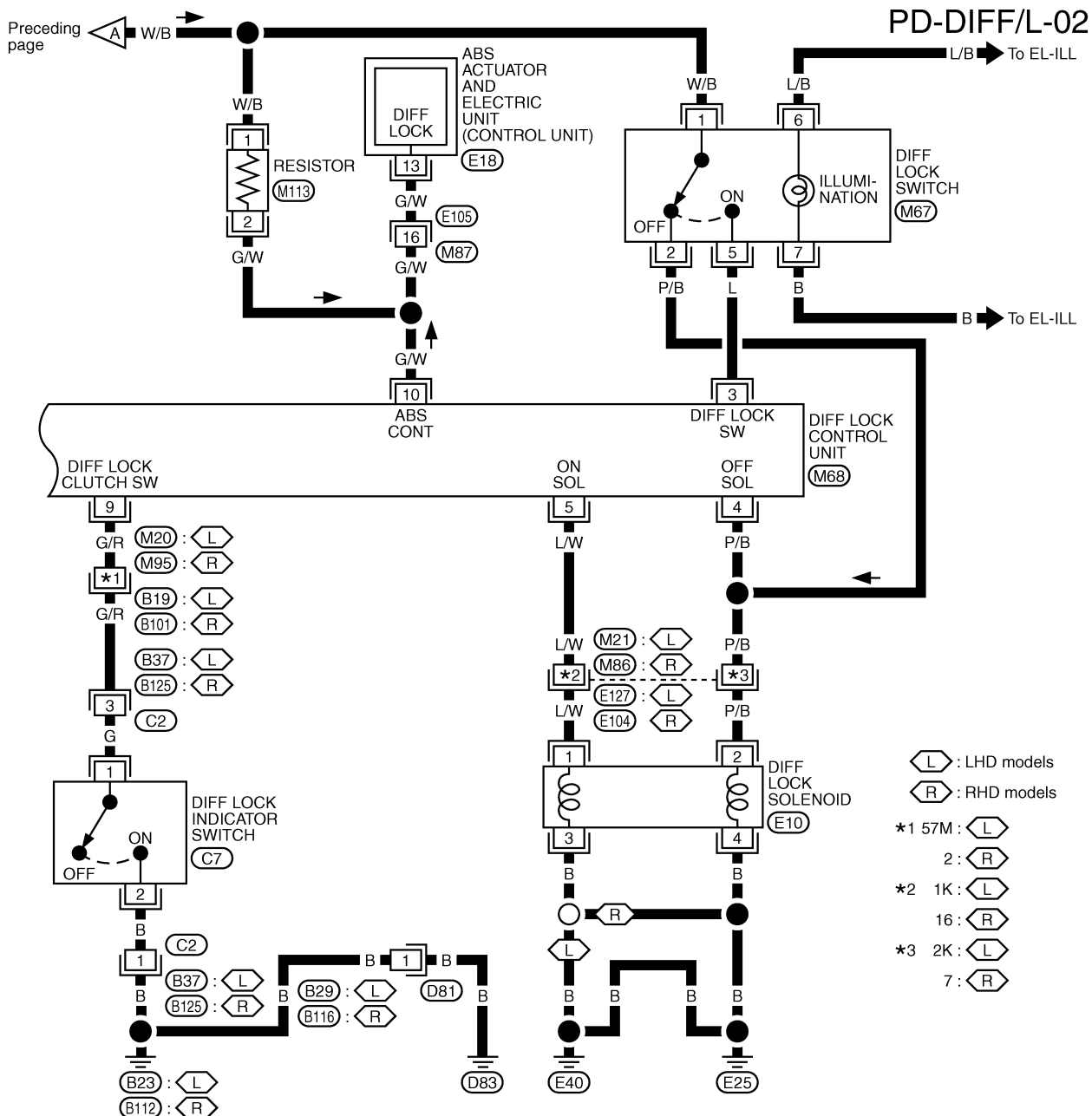
(M21), (E127)

M3

E112

DIFFERENTIAL LOCK

Wiring Diagram — DIFF/L — (Cont'd)



Refer to last page (Foldout page).

(M20) , (B19)

(M21) , (E127)

(E18)

SERVICE DATA AND SPECIFICATIONS (SDS)

Propeller Shaft

GENERAL SPECIFICATIONS

Front propeller shaft

Applied model	ZD30DDTi engine	
	M/T	A/T
Propeller shaft model	2F80B	
Number of joints	2	
Type of journal bearing	Solid (Disassembly type)	
Coupling type with transmission	Flange type	
Distance between yokes mm (in)	73 (2.87)	
Shaft length (Spider-to-spider) mm (in)	832 (32.76)	796 (31.34)
Shaft outer diameter mm (in)	50.8 (2.000)	

Rear propeller shaft

Applied model	ZD30DDTi			
Transmission	M/T		A/T	
Body	Wagon	Hardtop	Wagon	Hardtop
Propeller shaft model	2F100H			
Number of joints	2			
Type of journal bearing	Solid (Disassembly type)			
Coupling type with transmission	Flange type			
Distance between yokes mm (in)	94 (3.70)			
Shaft length (Spider-to-spider) mm (in)	1,011 (39.80)	440 (17.32)	1,044 (41.10)	480 (18.90)
Shaft outer diameter mm (in)	89.6 (3.528)	57 (2.24)	89.6 (3.528)	75.2 (2.961)

Available snap rings

2F80B

Thickness mm (in)	Color	Part Number
1.99 (0.0783)	White	37146-C9400
2.02 (0.0795)	Yellow	37147-C9400
2.05 (0.0807)	Red	37148-C9400
2.08 (0.0819)	Green	37149-C9400
2.11 (0.0831)	Blue	37150-C9400
2.14 (0.0843)	Light brown	37151-C9400
2.17 (0.0854)	Black	37152-C9400
2.20 (0.0866)	Colorless	37153-C9400

2F100H

Thickness mm (in)	Color	Part Number
1.95 (0.0768)	White	37146-61502
1.98 (0.0780)	Yellow	37147-61502
2.01 (0.0791)	Red	47148-61502
2.04 (0.0803)	Green	47149-61502
2.07 (0.0815)	Blue	37150-61502
2.10 (0.0827)	Light brown	37151-61502
2.13 (0.0839)	Pink	47146-61502
2.16 (0.0850)	Gold	37147-61502
2.19 (0.0862)	Black	47148-61502
2.22 (0.0874)	Colorless	37149-61502

SERVICE DATA AND SPECIFICATIONS (SDS)

Final Drive

GENERAL SPECIFICATIONS

Wagon

Engine	ZD30DDTi				
Transmission	5M/T, 4A/T				
Front final drive	Standard				
	H233B				
	2-pinion				
Gear ratio	4.375				
Number of teeth (Ring gear/drive pinion)	35/8				
Oil capacity (Approx.) ℓ (Imp pt)	5.4 (9-1/2)				
Rear final drive [Grade]	Standard			Optional	
	H233B				
	4-pinion	LSD	Diff. lock	LSD	Diff. lock
Gear ratio	4.375				
Number of teeth (Ring gear/drive pinion)	35/8				
Oil capacity (Approx.) ℓ (Imp pt)	2.4 (4-1/4)	2.1 (3-3/4)	3.0 (5-1/4)	2.1 (3-3/4)	3.0 (5-1/4)

Hardtop

Engine	ZD30DDTi									
Transmission	5M/T					4A/T				
Front final drive	Standard									
	H233B									
	2-pinion									
Gear ratio	4.375									
Number of teeth (Ring gear/drive pinion)	35/8									
Oil capacity (Approx.) ℓ (Imp pt)	5.4 (9-1/2)									
Rear final drive [Grade]	Standard			Optional			Standard		Optional	
	H233B									
	4-pinion	LSD	Diff. lock	LSD	Diff. lock	4-pinion	Diff. lock	LSD	Diff. lock	
Gear ratio	4.375									
Number of teeth (Ring gear/drive pinion)	35/8									
Oil capacity (Approx.) ℓ (Imp pt)	2.4 (4-1/4)	2.1 (3-3/4)	3.0 (5-1/4)	2.1 (3-3/4)	3.0 (5-1/4)	2.4 (4-1/4)	3.0 (5-1/4)	2.1 (3-3/4)	3.0 (5-1/4)	

SERVICE DATA AND SPECIFICATIONS (SDS)

Final Drive (Cont'd)

Differential actuator mounting adjusting shim

Thickness mm (in)	Part number
0.4 (0.016)	38154 06J00
1.0 (0.039)	38154 06J01
0.9 (0.035)	38154 06J02
1.5 (0.059)	38154 06J03

Diff. lock actuator adjustment

Standard length A	mm (in)	80.9 - 84.8 (3.185 - 3.340)
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