REAR SUSPENSION

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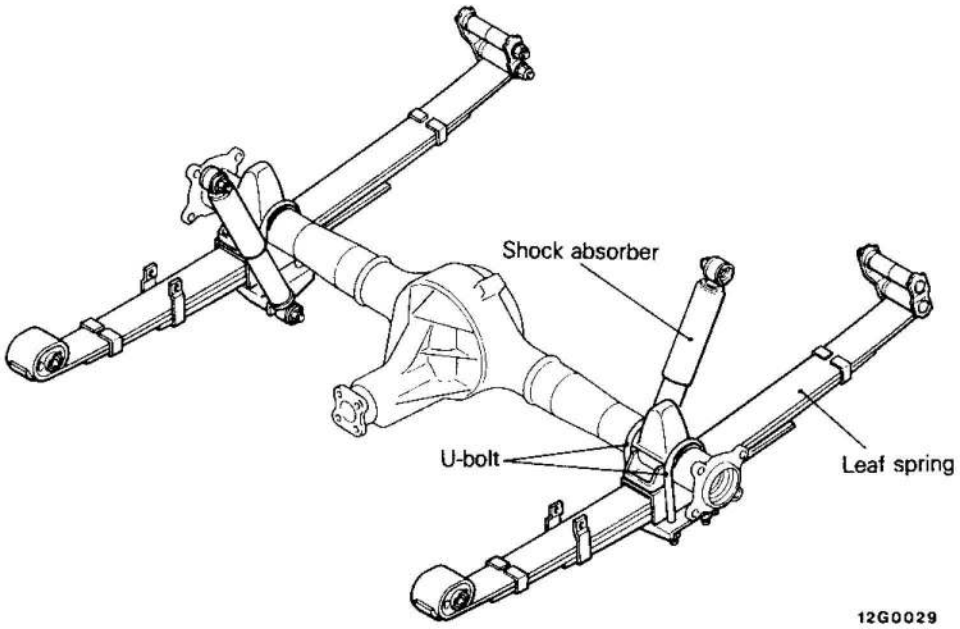
GENERAL INFORMATION

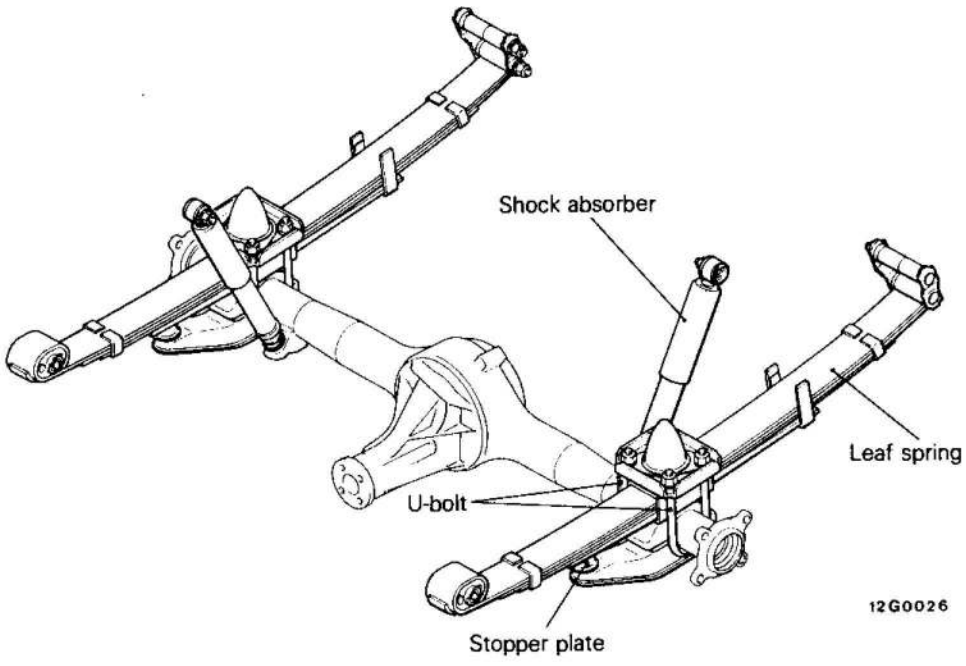
E348AAC

The leaf spring type of rear suspension has been adopted.
In 2WD vehicles, the leaf springs are attached to the lower side of the axle housing by U-bolts.
In 4WD vehicles, the leaf springs are attached to the upper side of the axle housing by U-bolts, with stopper plates provided on the lower side of the axle housing.
The shock absorbers have a bias arrangement.

2WD



4WD



SPECIFICATIONS

GENERAL SPECIFICATIONS

E34CA--

VEHICLES FOR EUROPE
[Applicable through November production, 1987]
2WD

Items	P02V, P03V, P05V	P12V, P13V, P15V	P03W, P05W
Suspension system	Asymmetrical semielliptic leaf spring type rigid axle suspension	Asymmetrical semielliptic leaf spring type rigid axle suspension	Asymmetrical semielliptic leaf spring type rigid axle suspension
Leaf spring			
Number of leaf springs	3	3	3
Straight span mm (in.)	1,196.5–1,203.5 (47.1–47.4)	1,196.5–1,203.5 (47.1–47.4)	1,196.5–1,203.5 (47.1–47.4)
Camber (unladen) mm (in.)	116 (4.6)	110 (4.3)	144.5 (5.7)
Spring constant–individually N/mm (kg/mm, lbs./in.)			
at load of 0–1,640 N (0–164 kg, 0–362 lbs.)	34.6 (3.46, 194)	–	–
at load of 1,650 N (165 kg, 364 lbs.) or more	62.2 (6.22, 348)	–	–
at load of 0–2,580 N (0–258 kg, 0–569 lbs.)	–	51 (5.1, 286)	–
at load of 2,590 N (259 kg, 571 lbs.) or more	–	113 (11.3, 633)	–
at load of 0–2,400 N (0–240 kg, 0–529 lbs.)	–	–	35 (3.5, 196)
at load of 2,410 N (241 kg, 531 lbs.) or more	–	–	62 (6.2, 347)
Shock absorber			
Type	Hydraulic cylinder, double acting type		
Max. length mm (in.)	462 (18.2)		
Min. length mm (in.)	292 (11.5)		
Stroke mm (in.)	170 (6.7)		
Damping force [at 0.3 m/sec. (0.984 ft./sec.)]			
Expansion N(kg,lbs.)	1,460–1,940 (146–194, 322–428)		
Compression N(kg, lbs.)	530–770 (53–77, 117–258)		

4WD

Items	P23V, P24V	P23W, P24W
Suspension system	Asymmetrical semielliptic leaf spring type rigid axle suspension	Asymmetrical semielliptic leaf spring type rigid axle suspension
Leaf spring		
Number of leaf springs	4	4
Straight span mm (in.)	1,196.5–1,203.5 (47.1–47.4)	1,196.5–1,203.5 (47.1–47.4)
Camber (unladen) mm (in.)	119 (4.7)	125.5 (4.9)
Spring constant–when installing N/mm (kg/mm, lbs./in.)		
at load of 0–3,350 N (0–335 kg, 0–739 lbs.)	41.0 (4.10, 226)	–
at load of 3,360 N (336 kg, 740 lbs.) or more	94.5 (9.45, 529)	–
Spring constant–individually		
N/mm (kg/mm, lbs./in.)		
at load of 0–3,550N (0–355kg, 0–783 lbs.)	–	36.8 (3.68, 206)
at load of 3,560N (356kg, 785 lbs.) or more	–	80.9 (8.09, 453)
Shock absorber		
Type	Hydraulic cyinder, double acting type	
Max. length mm (in.)	452 (17.8)	
Min. length mm (in.)	277 (10.9)	
Stroke mm (in.)	175 (6.9)	
Damping force [at 0.3 m/sec. (0.984 ft./sec.)]		
Expansion N(kg,lbs.)	1,580–2,100 (158–210, 348–463)	
Compression N(kg,lbs.)	590–850 (59–85, 130–187)	

[Vehicles built from December 1987]
VAN

Items	2WD		4WD	
	Standard body	Long body	Standard body	Long body*3
Suspension system	Asymmetrical semielliptic leaf spring type rigid axle suspension			
Leaf spring				
Number of leaf springs	3	3	4	4
Straight span mm (in.)	1,200 (47.2)	1,200 (47.2)	1,200 (47.2)	1,200 (47.2)
Camber (unladen) mm (in.)	115.5 (4.55), 130 (5.12)*1	110 (4.3)	130.5 (5.14)	116.5 (4.59)
Spring constant N/mm (kg/mm, lbs./in.)				
At load of 0–2,500 N (0–250 kg, 0–551 lbs.)	38.7 (3.87, 217)*1	–	–	–
At load of 300–1,300 N (30–130 kg, 66–287 lbs.)	34.7 (3.47, 194)	–	–	–
At load of 500–1,500 N (50–150 kg, 110–331 lbs.)	–	50.6 (5.06, 283)	–	–
At load of 1,000–2,000 N (100–200 kg, 220–441 lbs.)	–	–	36.8 (3.68, 206)	41.5 (4.15, 232)
At load of 2,500 N or more (250 kg or more, 551 lbs. or more)	69.7 (6.97, 390)*1	–	–	–
At load of 3,000–4,650 N) (300–465 kg, 661–1,025 lbs.)	62.7 (6.27, 351)	–	–	–
At load of 5,000–8,000 N (500–800 kg, 1,102–1,764 lbs.)	–	113 (11.3, 633)	–	–
At load of 6,000–8,000 N (600–800 kg, 1,323–1,764 lbs.)	–	–	84.5 (8.45, 473)	90.7 (9.07, 508)
Shock absorber				
Type	Hydraulic cylinder, double acting type		Hydraulic cylinder, double acting type	Hydraulic cylinder, double acting type
Max. length mm (in.)	462 (18.2)		452 (17.8)	452 (17.8)
Min. length mm (in.)	292 (11.5)		277 (10.9)	277 (10.9)
Stroke mm (in.)	170 (6.7)		175 (6.9)	175 (6.9)
Damping force [At 0.3 m/sec. (0.984 ft./sec.)] N (kg, lbs.)				
Expansion	1,460–1,940 (146–194, 322–428)		1,580–2,100 (158–210, 348–463)	1,020–1,380 (102–138, 225–304)
	660–900 (66–90, 146–198)*2		1,020–1,380*2 (102–138, 225–304)*2	
Compression	530–770 (53–77, 117–258)		590–850 (59–85, 130–187)	
	70–290 (17–29, 37–64)*2		440–660*2 (44–66, 97–146)*2	440–660 (44–66, 97–146)

NOTE
*1 indicates vehicles for Sweden.
*2 indicates vehicles built from December 1988.
*3 indicates vehicles built from November 1991.

MINI-BUS

Items	2WD	4WD
Suspension system	Asymmetrical semielliptic leaf spring type rigid axle suspension	
Leaf spring		
Number of leaf springs	3	4
Straight span mm (in.)	1,200 (47.2)	1,200 (47.2)
Camber (unladen) mm (in.)	144.5 (5.69)	125.5 (4.94)
Spring constant N/mm (kg/mm, lbs./in.)		
At load of 500–1,500 N (50–150 kg, 110–331 lbs.)	34.7 (3.47, 194)	–
At load of 1,000–2,500 N (100–250 kg, 220–551 lbs.)	–	36.8 (3.68, 206)
At load of 3,500–5,000 N (350–500 kg, 772–1,102 lbs.)	62.7 (6.27, 351)	–
At load of 6,500–10,590 N (650–1,059 kg, 1,433–2,335 lbs.)	–	80.9 (8.09, 453)
Shock absorber		
Type	Hydraulic cyinder, double acting type	Hydraulic cyinder, double acting type
Max. length mm (in.)	462 (18.2)	452 (17.8)
Min. length mm (in.)	292 (11.5)	277 (10.9)
Stroke mm (in.)	170 (6.7)	175 (6.9)
Damping force [At 0.3 m/sec. (0.984 ft./sec.)]		
Expansion N (kg, lbs.)	660–900 (66–90, 146–198)	1,020–1,380 (102–138, 225–304)
Compression N (kg, lbs.)	170–290 (17–29, 37–64)	440–660 (44–66, 97–146)

VEHICLES FOR GENERAL EXPORT
2WD

Items	P01V, P02V, P05V	P12V, P15V	P01W, P02W, P03W	P12W, P15W
Suspension system	Asymmetric semi-elliptic leaf spring type rigid axle suspension	Asymmetric semi-elliptic leaf spring type rigid axle suspension	Asymmetric semi-elliptic leaf spring type rigid axle suspension	Asymmetric semi-elliptic leaf spring type rigid axle suspension
Leaf spring (Standard)				
Number of leaf springs	3	3	3	3
Straight span mm (in.)	1,196.5–1,203.5 (47.1–47.4)	1,196.5–1,203.5 (47.1–47.4)	1,196.5–1,203.5 (47.1–47.4)	1,196.5–1,203.5 (47.1–47.4)
Camber (unladen) mm (in.)	116 (4.6)	110 (4.3)	144.5 (5.7)	144.5 (5.7)
Spring constant-individually N/mm (kg/mm lbs./in.)				
at load of 0–1,640 N (0–164 kg, 0–362 lbs.)	34.6 (3.46, 194)	–	–	–
at load of 1,650 N (165 kg, 364 lbs.) or more	62.2 (6.22, 348)	–	–	–
at load of 0–2,580 N (0–258 kg, 0–569 lbs,)	–	51 (5.1, 286)	–	–
at load of 2,590 N (259 kg, 571 lbs.) or more	–	113 (11.3, 633)	–	–
at load of 0–2,400 N (0–240 kg, 0–529 lbs.)	–	–	35 (3.5, 196)	35 (3.5, 196)
at load of 2,410 N (241 kg, 531 lbs.) or more	–	–	62 (6.2, 347)	62 (6.2, 347)
Leaf spring*1 (Heavy duty Suspension)				
Number of leaf springs	*2 5	–	5	–
Straight span mm (in.)	1,196.5–1,203.5 (47.1–47.4)	–	1,196.5–1,203.5 (47.1–47.4)	–
Camber (unladen) mm (in.)	102.5 (4.0)	–	125 (4.9)	–
Spring constant–individually N/mm (kg/mm, lbs./in.)	57.3 (5.73, 321)	–	57.3 (5.73, 321)	–
Shock absorber				
Type	Hydraulic cylinder, double acting type			Hydraulic cylinder, double acting type
Max. length mm (in.)	462 (18.2)			462 (18.2)
Min. length mm(in.)	292 (11.5)			292 (11.5)
Stroke mm(in.)	170 (6.7)			170 (6.7)
Damping force [at 0.3 m/sec. (0.984 ft./sec.)]				
Expansion N(kg, lbs.)	1,460–1,940 (146–194, 322–428)			1,220–1,620 (122–162, 269–357)
Compression N(kg, lbs.)	530–770 (53–77, 117–258)			430–650 (43–65, 95–143)

NOTE
*1 : indicates options.
*2 : indicates excluding P02V.

4WD

Items	P23W
Suspension system	Asymmetrical semielliptic leaf spring type rigid axle suspension
Leaf spring	
Number of leaf springs	4
Straight span mm (in.)	1,196.5–1,203.5 (47.1–47.4)
Camber (unladen) mm (in.)	125.5 (4.9)
Spring constant–when installing N/mm (kg/mm, lbs./in.)	
at load of 0–3,550 N (0–355 kg, 0–783 lbs.)	36.8 (3.68, 206)
at load of 3,560 N (356 kg, 785 lbs.) or more	80.9 (8.09, 453)
Shock absorber	
Type	Hydraulic cylinder, double acting type
Max. length mm (in.)	452 (17.8)
Min. length mm (in.)	277 (10.9)
Stroke mm (in.)	175 (6.9)
Damping force [at 0.3 m/sec. (0.984 ft./sec.)]	
Expansion N (kg, lbs.)	1,580–2,100 (158–210, 348–463)
Compression N (kg, lbs.)	590–850 (59–85, 130–187)

VEHICLES FOR AUSTRALIA
[Applicable through September production, 1987]
2WD

Items	P03V	P13V	P03W, P04W
Suspension system	Asymmetrical semielliptic leaf spring type rigid axle suspension	Asymmetrical semielliptic leaf spring type rigid axle suspension	Asymmetrical semielliptic leaf spring type rigid axle suspension
Leaf spring			
Number of leaf springs	3	3	3
Straight span mm (in.)	1,196.5–1,203.5 (47.1–47.4)	1,196.5–1,203.5 (47.1–47.4)	1,196.5–1,203.5 (47.1–47.4)
Camber (unladen) mm (in.)	116 (4.6)	110 (4.3)	144.5 (5.7)
Spring constant – individually N/mm (kg/mm, lbs./in.)			
at load of 0–1,640 N (0–164kg, 0–362 lbs.)	34.6 (3.46, 194)	–	–
at load of 1,650 N (165 kg, 364 lbs.) or more	62.2 (6.22, 348)	–	–
at load of 0–2,580 N (0–258 kg, 0–569 lbs.)	–	51 (5.1, 286)	–
at load of 2,590 N (259 kg, 571 lbs.) or more	–	113 (11.3, 633)	–
at load of 0–2,400 N (0–240 kg, 0–529 lbs.)	–	–	35 (3.5, 196)
at load of 2,410 N (241 kg, 531 lbs.) or more	–	–	62 (6.2, 347)
Shock absorber			
Type	Hydraulic cylinder, double acting type		
Max. length mm (in.)	462 (18.2)		
Min. length mm (in.)	292 (11.5)		
Stroke mm (in.)	170 (6.7)		
Damping force [at 0.3 m/sec. (0.984 ft./sec.)]			
Expansion N (kg, lbs.)	1,460–1,940 (146–194, 322–428)		
Compression N (kg, lbs.)	530–770 (53–77, 117–258)		

4WD

Items	P24V	P24W
Suspension system	Asymmertical semielliptic leaf spring type rigid axle suspension	Asymmetrical semielliptic leaf spring type rigid axle suspension
Leaf spring		
Number of leaf springs	4	4
Straight span mm (in.)	1,196.5–1,203.5 (47.1–47.4)	1,196.5–1,203.5 (47.1–47.4)
Camber (unladen) mm (in.)	119 (4.7)	125.5 (4.9)
Spring constant–when installing N/mm (kg/mm, lbs./in.)		
at load of 0–3,350 N (0–335 kg, 0–739 lbs.)	41.0 (4.10, 226)	–
at load of 3,360 N (336 kg, 740 lbs.) or more	94.5 (9.45, 529)	–
Spring constant–individually N/mm (kg/mm, lbs./in.)		
at load of 0–3,550 N (0–355 kg, 0–783 lbs.)	–	36.8 (3.68, 206)
at load of 3,560 N (356 kg, 785 lbs.) or more	–	80.9 (8.09, 453)
Shock absorber		
Type	Hydraulic cylinder, double acting type	
Max. length mm (in.)	452 (17.8)	
Min. length mm (in.)	277 (10.9)	
Stroke mm (in.)	175 (6.9)	
Damping force [at 0.3 m/sec. (0.984 ft./sec.)]		
Expansion N(kg, lbs.)	1,580–2,100 (158–210, 348–463)	
Compression N(kg, lbs.)	590–850 (59–85, 130–187)	

[Vehicles built from October 1987]
VAN

Items	2WD			4WD
	Standard body		Long body	
	Petrol powered vehicles	Diesel powered vehicles*		
Suspension system	Asymmetrical semielliptic leaf spring type rigid axle suspension			
Leaf spring				
Number of leaf springs	3	3	3	4
Straight span mm (in.)	1,200 (47.2)	1,200 (47.2)	1,200 (47.2)	1,200 (47.2)
Camber (unladen) mm (in.)	115.5 (4.55)	115.5 (4.55)	110 (4.3)	130.5 (5.14)
Spring constant N/mm (kg/mm, lbs./in.)				
At load of 300–1,300 N (30–130 kg, 66–287 lbs.)	34.7 (3.47, 194)	23.8 (2.38, 133)	–	–
At load of 500–1,500 N (50–150 kg, 110–331 lbs.)	–	–	50.6 (5.06, 283)	–
At load of 1,000–2,000 N (100–200 kg, 220–441 lbs.)	–	–	–	36.8 (3.68, 206)
At load of 3,000–4,650 N (300–465 kg, 661–1,025 lbs.)	62.7 (6.27, 351)	63.1 (6.31, 353)	–	–
At load of 5,000–8,000 N (500–800 kg, 1,102–1,764 lbs.)	–	–	113 (11.3, 633)	–
At load of 6,000–8,000 N (600–800 kg, 1,323–1,764 lbs.)	–	–	–	84.5 (8.45, 473)
Shock absorber				
Type	Hydraulic cylinder, double acting type			Hydraulic cylinder, double acting type
Max. length mm (in.)	462 (18.2)			452 (17.8)
Min. length mm (in.)	292 (11.5)			277 (10.9)
Stroke mm (in.)	170 (6.7)			175 (6.9)
Damping force [At 0.3 m/sec. (0.984 ft./sec.)] N (kg, lbs.)				
Expansion	1,460–1,940 (146–194, 322–428) 660–900 (66–90, 146–198)*			1,580–2,100 (158–210, 348–463) 1,020–1,380* (102–138, 225–304)*
Compression	530–770 (53–77, 117–258) 170–290 (17–29, 37–64)*			590–850 (59–85, 130–187) 440–660* (44–66, 97–146)*

NOTE
* indicates vehicles built from October 1988.

MINI-BUS

Items	2WD	4WD
Suspension system	Asymmetrical semielliptic leaf spring type rigid axle suspension	
Leaf spring		
Number of leaf springs	3	4
Straight span mm (in.)	1,200 (47.2)	1,200 (47.2)
Camber (unladen) mm (in.)	144.5 (5.69)	125.5 (4.94)
Spring constant N/mm (kg/mm, lbs./in.)		
At load of 500–1,500 N (50–150 kg, 110–331 lbs.)	34.7 (3.47, 194)	–
At load of 1,000–2,500 N (100–250 kg, 220–551 lbs.)	–	36.8 (3.68, 206)
At load of 3,500–5,000 N (350–500 kg, 772–1,102 lbs.)	62.7 (6.27, 351)	–
At load of 6,500–10,590 N (650–1,059 kg, 1,433–2,335 lbs.)	–	80.9 (8.09, 453)
Shock absorber		
Type	Hydraulic cylinder, double acting type	Hydraulic cylinder, double acting type
Max. length mm (in.)	462 (18.2)	452 (17.8)
Min. length mm (in.)	292 (11.5)	277 (10.9)
Stroke mm (in.)	170 (6.7)	175 (6.9)
Damping force [At 0.3 m/sec. (0.984 ft./sec.)] N (kg, lbs.)		
Expansion	1,460–1,940 (146–194, 322–428) 660–900 (66–90, 146–198)*	1,580–2,100 (158–210, 348–463) 1,020–1,380 (102–138, 225–304)*
Compression	530–770 (53–77, 117–258) 170–290 (17–29, 37–64)*	590–850 (59–85, 130–187) 440–660 (44–66, 97–146)*

NOTE
* indicates vehicles built from October 1988.

SERVICE SPECIFICATIONS

E34CB--

Items	Specifications
Standard value	
Toe-in mm (in.)	0 (Non adjustable)
Camber	0° (Non adjustable)
Protruding length of shock absorber mounting bolt mm (in.)	7–8 (0.28–0.31)

TORQUE SPECIFICATIONS

E34CC--

Items	Nm	kgm	ft.lbs.
2WD			
Shackle assembly attaching nut	30–45	3.0–4.5	22–33
Shock absorber attaching nut	20–30	2.0–3.0	14–22
U-bolt attaching nut	85–110	8.5–11	61–80
Front side leaf spring mounting nut	120–160	12–16	87–116
4WD			
Shackle assembly attaching nut	30–45	3.0–4.5	22–33
Upper shock absorber mounting nut	20–30	2.0–3.0	14–22
Lower shock absorber mounting nut	19–28	1.9–2.8	14–20
U-bolt attaching nut	85–110	8.5–11	61–80
Front side leaf spring mounting nut	120–160	12–16	87–116
Stopper plate attaching bolt	70–95	7.0–9.5	51–69
Bump stopper attaching nut	19–28	1.9–2.8	14–20

TROUBLESHOOTING

E34EA--

Symptom	Probable cause	Remedy	Reference page	
			2WD	4WD
Noise and squeaks	Loose mounting	Retighten	34–10	34–12
	Malfunctioning shock absorber Worn bushing or pin	Replace	34–11	34–13
Poor riding comfort	Over-inflated tire	Adjust inflation pressures	Refer to GROUP 31.	
	Malfunctioning shock absorber Deteriorated or broken spring	Replace	34–11	34–13
Vehicle tilted	Uneven camber Deteriorated or worn bushing Deteriorated or broken spring	Replace	34–11	34–13

SERVICE ADJUSTMENT PROCEDURES

E34FAAE

INSPECTION OF REAR WHEEL ALIGNMENT

The rear suspension assembly must be free of worn, loosen or damaged parts prior to measurement of rear wheel alignment.

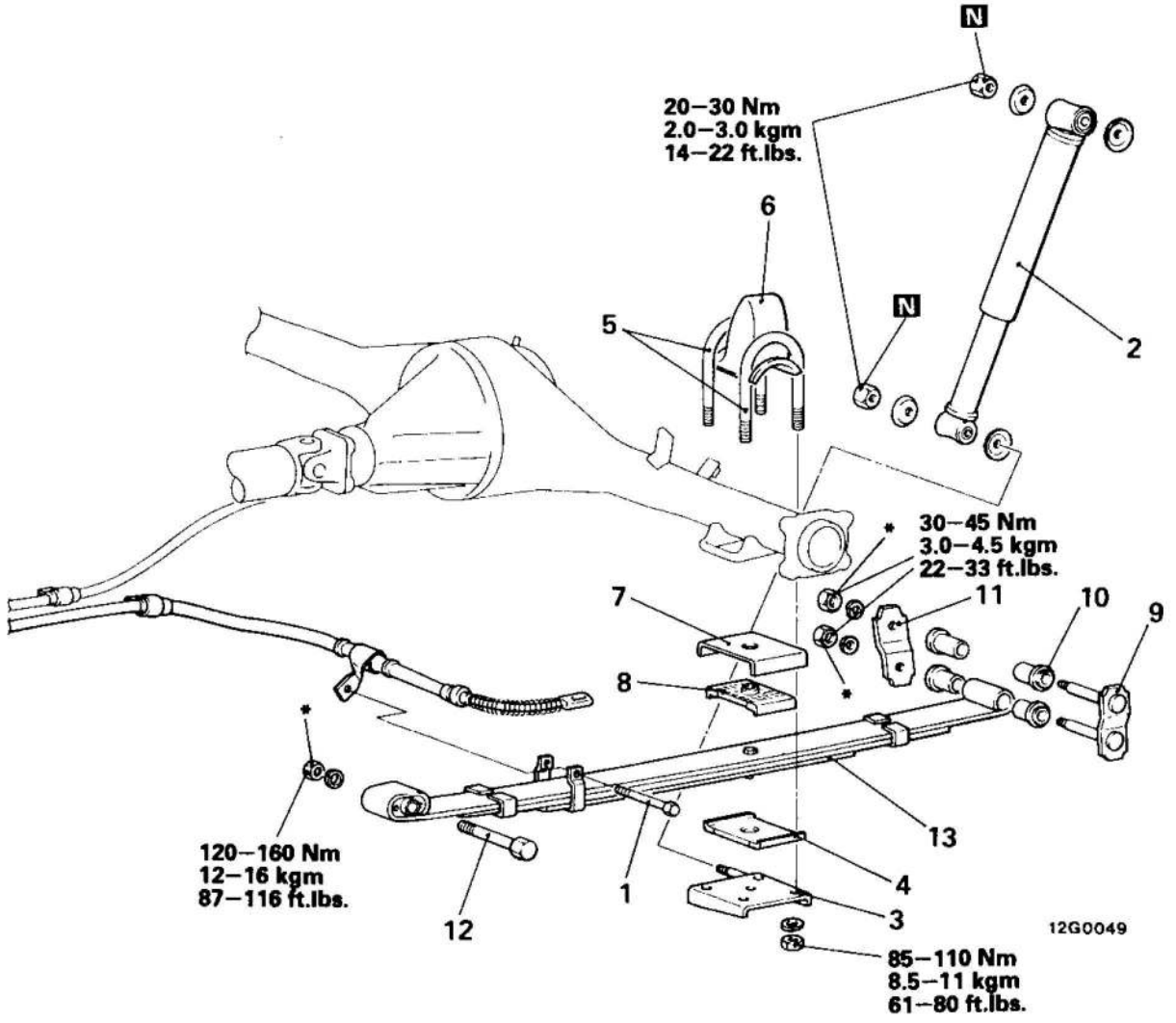
Standard value: Toe-in 0 mm (0 in.)
Camber 0°

NOTE
Toe-in and camber are set at the factory and cannot be adjusted. If toe-in or camber is not within the standard value, check and replace bent or damaged parts.

REAR SUSPENSION ASSEMBLY (2WD)

E34GA--1

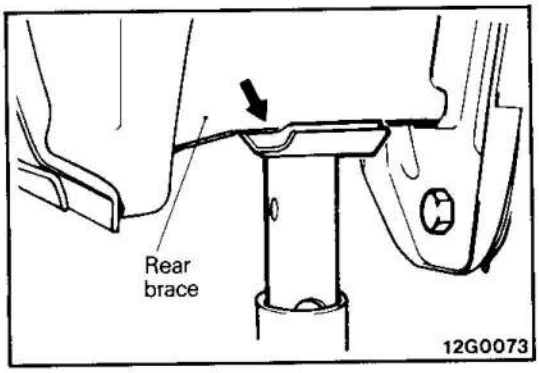
REMOVAL AND INSTALLATION

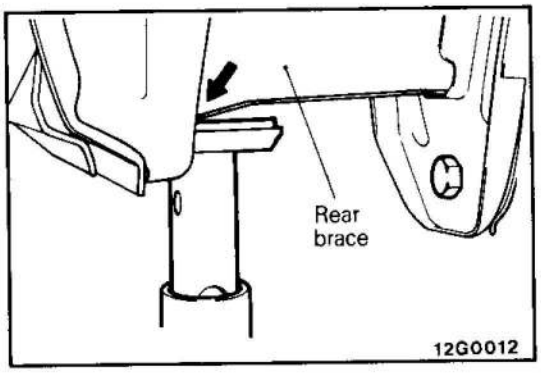


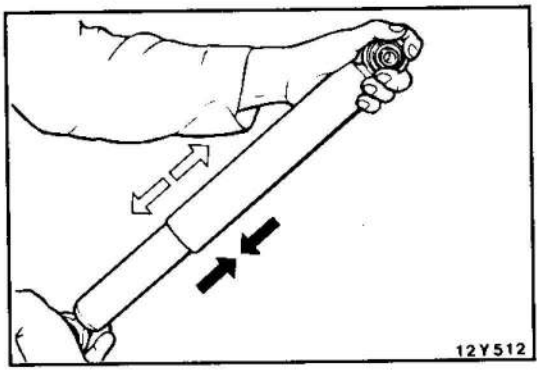
Removal steps

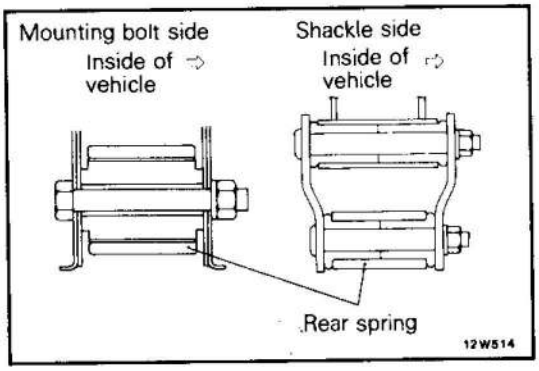
1. Parking brake cable attaching bolt
◆◆ 2. Shock absorber
3. U-bolt seat
4. Spring pad, lower (mini-bus)
5. U-bolts
6. Bump stopper
7. Clamp (mini-bus)
8. Spring pad, upper (mini-bus)
◆◆ 9. Shackle assembly
10. Rubber bushings
11. Shackle plate
◆◆ 12. Spring mounting bolt
13. Rear spring

NOTE
(1) Reverse the removal procedures to reinstall.
(2) ◆◆ : Refer to "Service Points of Removal".
(3) ◆◆ : Refer to "Service Points of Installation".
(4) N : Non-reusable parts
(5) * : Tighten when the vehicle is unloaded.









SERVICE POINTS OF REMOVAL E34GBAE

2. REMOVAL OF SHOCK ABSORBER

Jack up the vehicle and place rigid racks where described below.

1. If the leaf spring is not to be removed, place rigid racks where shown in the figure.

2. If the leaf spring is to be removed, place the rigid racks at the outermost side of the rear brace.

   NOTE
   If the rigid racks are not placed at the specified places, the spring installation bolt cannot be removed.

INSPECTION E34GCAD

- Check the leaf springs for damage or deterioration.
- Check the U-bolt for cracks or bends.
- Check the rubber parts for cracks or deterioration.

CHECKING SHOCK ABSORBER ACTION

Expand and compress the shock absorbers; check whether they operate smoothly and with the same resistance. Also check for abnormal noise or oil leakage.

SERVICE POINTS OF INSTALLATION E34GDAE

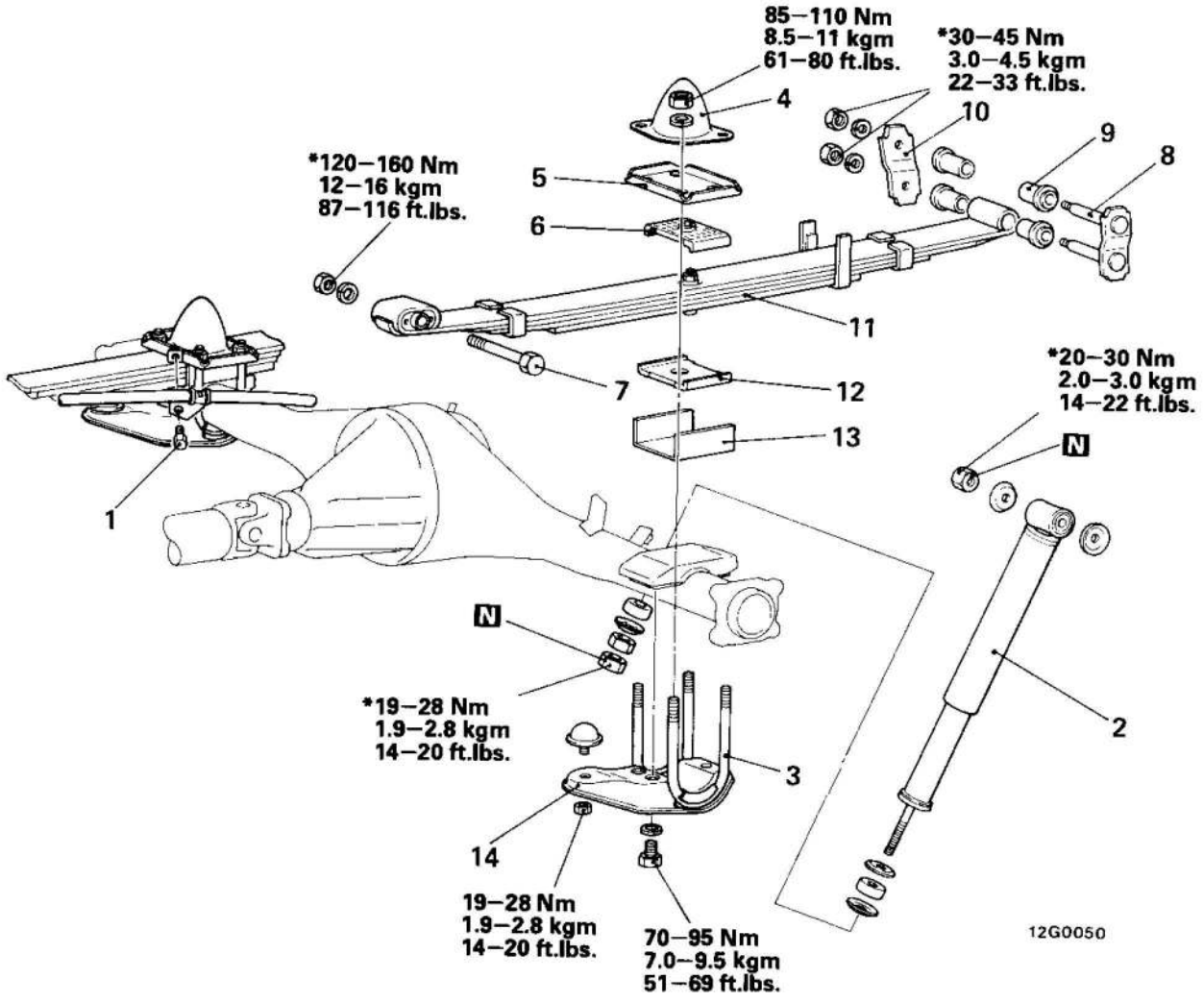
12. INSTALLATION OF SPRING MOUNTING BOLT/9. SHACKLE ASSEMBLY

(1) Install the spring mounting bolt from the outside toward the inside of vehicle.
(2) Install the shackle assembly from the outside toward the inside of vehicle.

REAR SUSPENSION ASSEMBLY (4WD)

E34GA--2

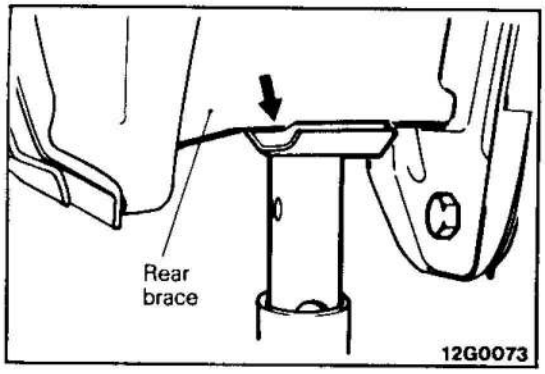
REMOVAL AND INSTALLATION

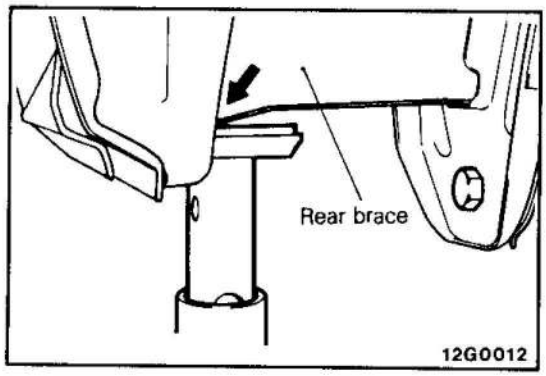


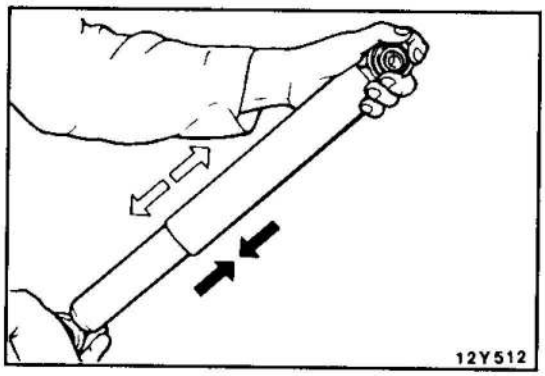
Removal steps

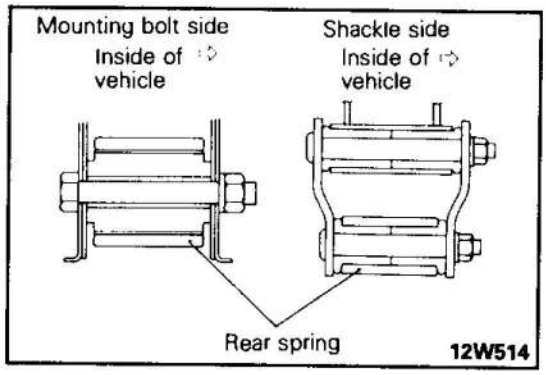
1. Parking brake cable attaching bolt
◆◆ ◆◆ 2. Shock absorber
3. U-bolts
4. Bump stopper
5. U-bolt seat
6. Spring pad, upper (mini-bus)
◆◆ 7. Spring mounting bolt
◆◆ 8. Shackle assembly
9. Rubber bushings
10. Shackle plate
11. Rear spring
12. Spring pad, lower (mini-bus)
13. Clamp (mini-bus)
14. Stopper plate (except for long body)

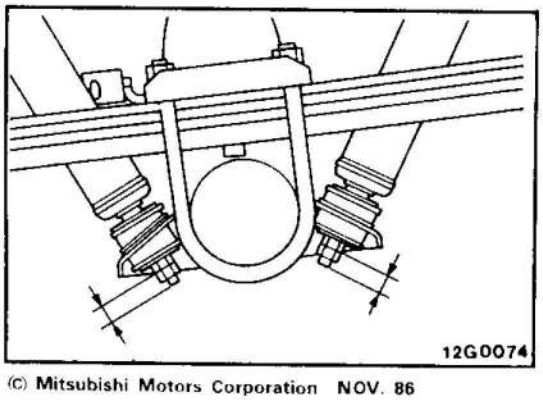
NOTE
(1) Reverse the removal procedures to reinstall.
(2) ◆◆ : Refer to "Service Points of Removal".
(3) ◆◆ : Refer to "Service Points of Installation".
(4) * : Tighten when the vehicle is unloaded.
(5) N : Non-reusable parts











SERVICE POINTS OF REMOVAL E34GBAE

2. REMOVAL OF SHOCK ABSORBER

Jack up the vehicle and place rigid racks where described below.

1. If the leaf spring is not to be removed, place rigid racks where shown in the figure.

2. If the leaf spring is to be removed, place the rigid racks at the outermost side of the rear brace.

   NOTE
   If the rigid racks are not placed at the specified places, the spring installation bolt cannot be removed.

INSPECTION E34GCAD

- Check the leaf springs for damage or deterioration.
- Check the U-bolt for cracks or bends.
- Check the rubber parts for cracks or deterioration.

CHECKING SHOCK ABSORBER ACTION

Expand and compress the shock absorbers; check whether they operate smoothly and with the same resistance.
Also check for abnormal noise or oil leakage.

SERVICE POINTS OF INSTALLATION E34GDAF

8. INSTALLATION OF SHACKLE ASSEMBLY/7. SPRING MOUNTING BOLT

(1) Install the spring mounting bolt from the outside toward the inside of vehicle.
(2) Install the shackle assembly from the outside toward the inside of vehicle.

2. TIGHTENING OF SHOCK ABSORBER MOUNTING NUT

Tighten shock absorber mounting nuts to standard dimensions shown in the drawing.

Standard value: 7–8 mm (0.28–0.31 in.)