

TerrafirMa

serious suspension



Application Guide parts & kits

TerrafirMa's fully engineered and matched shocks and suspension systems deliver the perfect combination of ride, handling and control for recreational, commercial and expedition vehicles alike.

Shock Absorbers

- Tough, twin tube design – large volume of oil cools and protects internals
- Low pressure nitrogen eliminates cavitation and maintains oil viscosity
- Special internal bump stops protect against extreme impact
- High quality, powder coated finish for long-lasting good looks.

Springs

- Complete range – 2" lift achieved while carrying various loads
- Heat-treated to eliminate breakage
- Mandrel formed coils
- 100% scragged to prevent sagging.



Defender 90, Discovery 1, Range Rover Classic

Description	Load	Spring rate	Length (DS/PS)	Approx. lift
Light duty front	0-50 kg	200 lbf/in	400/390 mm	40 mm
Medium duty front	50-110 kg	230 lbf/in	390/380 mm	50 mm
Heavy duty front	150 kg	220 lbf/in	430/420 mm	50 mm
Light duty rear	100 kg	220 lbf/in	430/420 mm	40 mm
Medium duty rear	200 kg	300-340 lbf/in	420/410 mm	50 mm
Heavy duty rear	300 kg	360 lbf/in	420/410 mm	60 mm

Defender 110 & 130

Description	Load	Spring rate	Length (DS/PS)	Approx. lift
Light duty front	0-50 kg	200 lbf/in	400/390 mm	40 mm
Medium duty front	50-110 kg	230 lbf/in	390/380 mm	50 mm
Heavy duty front	150 kg	220 lbf/in	430/420 mm	50 mm
Light duty rear	Light duty - not applicable. Use medium duty springs			
Medium duty rear	300 kg	300 lbf/in	435/435 mm	50 mm
Heavy duty rear	500 kg	420 lbf/in	435/435 mm	50 mm

Please note: all lifts shown in this guide are approximate. The actual lift will vary depending on the load carried and your individual vehicle set up. Increasing the load will reduce the lift, using a heavier spring with less load will increase the lift but may effect wheel travel.

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Recommended additional purchase

In order to ensure the optimum ride and handling is achieved we recommend the fitment of a caster correction kit and steering damper.

**Caster bush kit
PB51-502K (44mm only)**

Defender 90

Part Number	Part Description		Light Duty Upgrade Kit Part No. TF201	Medium Duty Upgrade Kit Part No. TF202	Heavy Duty Upgrade Kit Part No. TF204
TF116	Front Shock absorber		2	2	2
TF117	Rear Shock absorber		2	2	2
TF014	Front Spring (pair)		1		
TF015	Rear/Front Spring (pair)		1		1
TF018	Front Spring (pair)			1	
TF023	Rear Spring (pair)			1	
TF027	Rear Spring (pair)				1

Recommended additional parts (applicable to Defender 90/110/130)

PB51-502K	Caster Bush Kit		1	1	1
TF832	Steering Damper		1	1	1

Defender 110/130

Part Number	Part Description		Light Duty Upgrade N/A	Medium Duty Upgrade Kit Part No. TF203	Heavy Duty Upgrade Kit Part No. TF205
TF116	Front Shock absorber			2	2
TF117	Rear Shock absorber			2	2
TF014	Front Spring (pair)				
TF015	Rear/Front Spring (pair)				1
TF018	Front Spring (pair)			1	
TF011	Rear Spring (pair)				1
TF019	Rear Spring (pair)			1	

Recommended additional parts (applicable to Defender 90/110/130)

PB51-502K	Caster Bush Kit			1	1
TF832	Steering Damper			1	1

Discovery I

Part Number	Part Description		Light Duty Upgrade Kit Part No. TF201	Medium Duty Upgrade Kit Part No. TF202	Heavy Duty Upgrade Kit Part No. TF204
TF116	Front Shock absorber		2	2	2
TF117	Rear Shock absorber		2	2	2
TF014	Front Spring (pair)		1		
TF015	Rear/Front Spring (pair)		1		1
TF018	Front Spring (pair)			1	
TF023	Rear Spring (pair)			1	
TF027	Rear Spring (pair)				1

Recommended additional parts

PB51-502K	Caster Bush Kit		1	1	1
TF811	Steering Damper		1	1	1

Range Rover Classic

Part Number	Part Description		Light Duty Upgrade Kit Part No. TF201	Medium Duty Upgrade Kit Part No. TF202	Heavy Duty Upgrade Kit Part No. TF204
TF116	Front Shock absorber		2	2	2
TF117	Rear Shock absorber		2	2	2
TF014	Front Spring (pair)		1		
TF015	Rear/Front Spring (pair)		1		1
TF018	Front Spring (pair)			1	
TF023	Rear Spring (pair)			1	
TF027	Rear Spring (pair)				1

Recommended additional parts

PB51-502K	Caster Bush Kit		1	1	1
TF811	Steering Damper		1	1	1

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