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#### INTRODUCTION

Welcome to the *Dunlop Systems and Components* range of auxiliary air suspension kits. As this catalogue shows, a wide range of solutions are available to suit a multitude of vehicle variants.

Auxiliary air suspension is fitted in tandem with the standard steel springs of the vehicle suspension, and provides enhancements in terms of both the stability of the vehicle and the comfort of the passengers...

#### √ Vehicle Levelling

Simply by varying the air pressure in the springs, the vehicle can be levelled both front-to-rear and side-to-side. Keeping the vehicle level optimises stability, ensures correct headlamp beam distribution and reduces tyre wear arising from uneven distribution of weight.

#### ✓ Straight Line Stability

Straight line stability is greatly increased at higher speeds, and when subjected to buffeting from cross-winds or large overtaking vehicles

#### √ Reduced Body Roll

Body roll when cornering or negotiating roundabouts is significantly reduced.

#### √ Fatigue Reduction and Wear Compensation

Suspension fatigue is reduced, so helping to prevent leaf springs from sagging under repeated or constant loading.

Any sagging already present can be compensated-for. This is a particular benefit for motorhomes, which are always fully laden.

#### **✓** Ride Comfort

Air springs help to absorb shock loads from uneven road surfaces, therefore general ride quality is much improved.

...and furthermore...

- Dunlop is an internationally recognised brand, approved by TUV
- Dunlop Systems and Components is an air suspension specialist with a history spanning more than 50 years, supplying in excess of 250,000 air springs per year
- Each system offered is optimised in terms of comfort and flexibility, by designers drawing from an extensive range of air springs and bellows
- Double and triple convolute bellows (i) are capable of operation at relatively high pressure, enabling a correspondingly high axle load to be supported and (ii) offer an extended suspension stroke, so providing a wide adjustment range for vehicle levelling
- Auxiliary air suspension systems are fitted relatively quickly and easily, with no welding or drilling required

#### **Disclaimer**

Every effort has been made to ensure the accuracy of the information provided in this catalogue in respect of original equipment manufacturer vehicle data. However, Dunlop Systems and Components shall not be held liable for any inaccuracies that may be contained herein.



#### **VERY IMPORTANT NOTES**



#### **Gross Vehicle Weight (GVW)**

Air assist kits are not in themselves designed to increase the gross vehicle weight (GVW) rating of a vehicle. They do not legally allow for carriage of a load greater than the carrying capacity stated on the data plate of the vehicle.

Do not exceed the maximum load specified by the vehicle manufacturer...

- to avoid compromising passenger safety
- to prevent possible damage to the vehicle
- for legal reasons



#### **Load Sensing Valve (LSV) Adjustment**

If your vehicle is not fitted with an antilock braking system (ABS) then it will have a load sensing valve (LSV) to automatically adjust braking force under varying load conditions. This valve **must** be adjusted immediately after the fitting of an air assist kit and before the vehicle is driven again on public roads.

If the LSV is not adjusted following the fitting of an air assist kit, it may misjudge rear load conditions to the extent that the braking pressure applied to the rear brakes is not correct (e.g. the rear wheels may lock with no load on the rear axle). The consequences of this in terms of vehicle stability and safety are potentially serious.

#### **Vehicle Uprating**

Despite the above words of caution, it is possible to upgrade the weight rating of your vehicle. This must be carried-out by a specialist supplier that will...

- carry out any necessary modifications in addition to fitting the air assist kit
- complete documentation as necessary to inform the Vehicle and Operator Services Agency (VOSA) – a mandatory requirement
- supply and fit a new weight plate to replace the original plate supplied with the vehicle

This process applies to United Kingdom registered vehicles. The process in other countries may be different.

#### Maintenance

The system does not require very much maintenance other than...

- to maintain air pressure in the springs. Much like a tyre, the system may lose a little air over time.
- to keep the air bellows clean. It is suggested that, when washing the vehicle, the bellows are inspected and cleaned as necessary. Look in particular for stones or grit trapped between convolutes, as this may damage the bellow.

#### **Safety Guidance Note**

The following very useful guidance note is available for free download from the *Health and Safety Executive* (HSE)...

PM85, July 2007 Safe recovery (and repair) of buses and coaches fitted with air suspension

The uniform resource locator (URL) for this document is...

http://www.hse.gov.uk/PUBNS/pm85.pdf



#### **INFLATION OPTIONS**

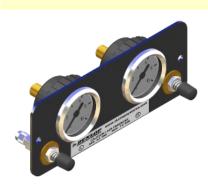
For the auxiliary air suspension kits listed in this catalogue there are different inflation options possible...

#### **Standard**



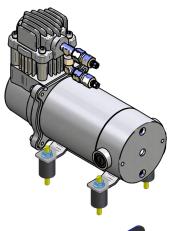
- Basic inflation panel two valves (left and right), no pressure gauge
- 2x 5 meters air hose (black and blue)

#### **Option 1**



- Inflation panel with two valves (left and right) and two 10 bar pressure gauges (left and right)
- 2x 10 meters air hose (black and blue)
- Weight = 0.3 kg
- Part Number: LC.OPTION.1

#### **Option 2** (Basic Comfort Package)





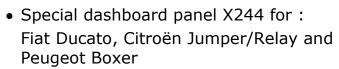
- Inflation panel with two valves (left and right), two 10 bar pressure gauges (left and right) and a centrally-placed compressor on/off rocker switch
- Electric motor-driven air compressor
- 2x 10 meters air hose (black and blue)
- Weight 4,5 kg
- Part Number: LC.OPTION.2





#### **SPECIAL PANELS for Option 1 and Option 2**





• Part Number: 99.1.07



 Special dashboard panel X250 for:
 Fiat Ducato, Citroën Jumper/Relay and Peugeot Boxer

• Part Number: 99.1.06



 Special dashboard panel for : Fords Transit 2006 onwards

Part Number: 99.1.09



Special dashboard panel for:
 Renault Master X62, Opel/Vauxhall
 Movano X62 and Nissan NV400

• Part Number: 99.1.10

#### **Option 3** (Dual Comfort Package)





- Inflation panel with four valves (two left and two right, with separate raise (UP) and lower (DOWN) valves for each side) and two 10 bar pressure gauges (left and right)
- Electric motor-driven air compressor
- Air reservoir of 1.9 Litre
- 3x 10 meters air hose (black, blue and green)
- Weight = 6 kg







#### **Option 4** (ASU with Two Height Sensors)

#### AVAILABLE FOR A LIMITED RANGE OF VEHICLES

See page 12- 45 for the possibilities



Automatic levelling system comprising of...

- Electric motor-driven air compressor provided with;
  - \* Integrated Ecas system
  - \* Air dryer
- Two height sensors: one mounted at each end of the rear suspension, sensing relative displacement between the chassis and the axle
- Wiring loom
- 2x 5 meters air hose (black and blue)
- Specially designed for commercial vehicles, a perfect drive for a not loaded and a heavily loaded van
- Weight = 6 kg
- Part Number : LC.OPTION.4

Specially designed for commercial vehicles.

A perfect drive for not loaded and heavily loaded vehicles.



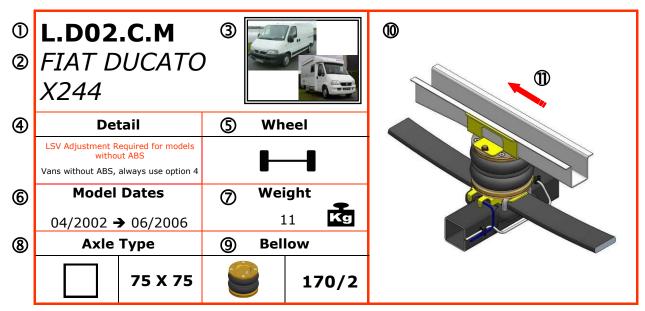
## **The Product Range**





#### **GUIDE TO THE PRODUCT PAGES OF THIS CATALOGUE**

The remaining pages of this catalogue present information on auxiliary air suspension products for original equipment manufacturer fitted suspensions, in the form shown by the following diagram...



Here is a key...

- ① Part reference number for orders
- ② Vehicle manufacturer and model name/designation
- ③ Vehicle photograph
- Important details: whether the vehicle (a) has a load sensing valve (LSV) that must be adjusted immediately following installation of auxiliary air suspension or (b) is fitted with an antilock braking system (ABS).
- ⑤ FWD (► ) or RWD/ Rear axle configuration : single (► ) or dual (► ) wheel
- 6 Date of start and end of production for the vehicle in question
- Weight of the kit (without options)
- 8 Rear axle cross section : round (O) or square ( $\square$ ), with dimensions in millimetres where known (e.g. 80mm (outer diameter round), 75 x 75 (square))
- Bellow Type: Two-convolute (\*\*) or three-convolute (\*\*).
  Bellow Designation: nominal diameter in millimetres / number of convolutes i.e. 170/2 means 170mm nominal diameter bellow with two convolutes
- Three-dimensional computer-generated diagram showing full auxiliary air suspension assembly. The associated arrow indicates the forward direction of travel of the vehicle.
- Drive direction



#### **AL-KO CHASSIS SOLUTIONS**

To complement the extensive range of auxiliary air suspension solutions for conventionally-suspended vehicles, shown on the remaining pages of this catalogue, Dunlop Systems and Components offers solutions suitable for vehicles fitted with an *AL-KO* (*Alois Kober*) galvanised steel chassis (All variants 1994 to present and for double rear axles (tandem).

One of the greatest advantages of choosing a Dunlop kit for the *AL-KO* chassis is short installation time - there is no need for disassembly of either the drum or disk brakes. This makes possible an installation time for suspension parts of less than 2 hours.

Starting from 1994 there are different types of air suspension available. depending on model and building year. For determination of the right kit, please see the table below. All of these kits are designed for Fiat, Citroen and Peugeot vehicles. For Renault, Volkswagen Karmann, Opel and Vauxhall it may be that some additional modification is necessary. This could also be applicable with double rear axles (tandem axles).

<u>VERY IMPORTANT!</u> All our *AL-KO* air suspension kits are <u>**not**</u> suitable for "Up Going Chassis"! .

In order to take full advantage of Dunlop *AL-KO* kits, it is recommended that inflation Option 2 (see page 7) is chosen. For the L.AL.07(B) and L.AL.07(C) kit Option 3 can also be chosen.

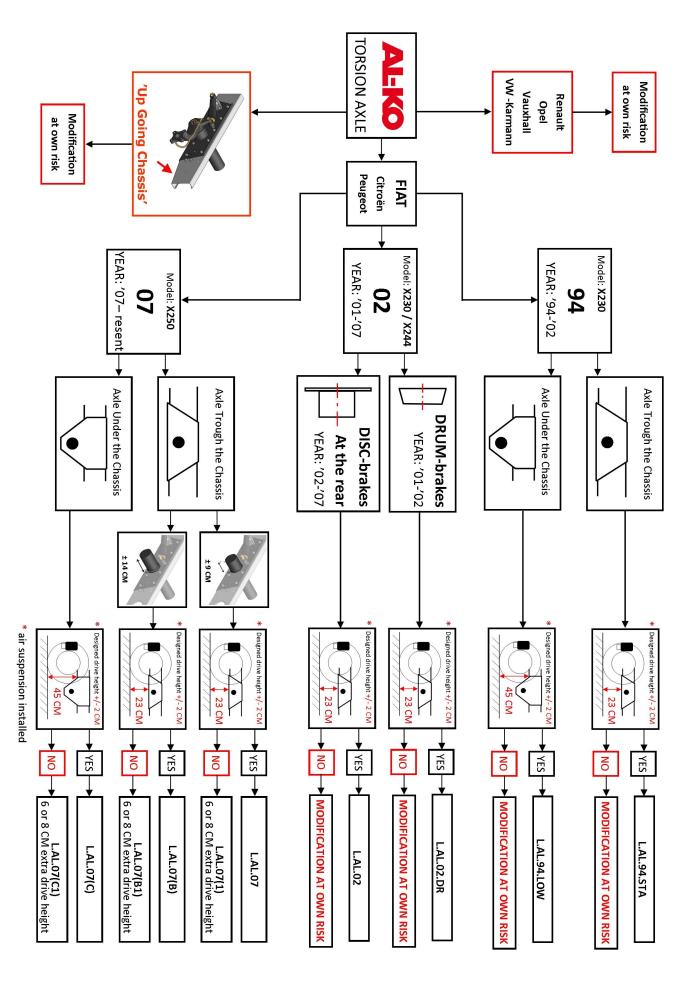


#### Recognition of the different AL-KO arrangements

YEAR	KIT Nº	SHOCK ABSORBER	SHOCK ABSORBER BRACKET	AXLE CONNECTION TO CHASSIS
1994-2002	L.AL.94.STA	Bottom end connected to suspension arm	Welded to suspension arm	<b>_</b>
1994-2002	L.AL.94.LOW	Bottom end connected to suspension arm	Welded to suspension arm	
2002-2006	L.AL.02	Top end connected to suspension arm	Large, Steel alloy incl. jacking point	•
2007 - Present	L.AL.07	Top end connected to suspension arm	Small, Steel, Welded	
2007 - Present	L.AL.07(B)	Top end connected to suspension arm	Large, Steel, Welded	•
2010 - Present	L.AL.07(C)	Bottom end connected to suspension arm	Small, Steel, Welded	

See also the flowchart and the illustrations on the following pages







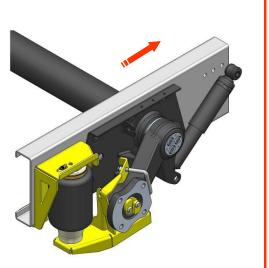


#### L.AL.94.STA

Fiat, Citroën, Peugeot Ducato, Jumper, Boxer X230



Detail	Wheel	
Axle trough the chassis `Standard' Entrance Tandem Axle available	Н	
Model Dates	Weight	
1994 <del>&gt;</del> 2002	13 <b>Kg</b>	
Axle Type	Air Spring	
	4"	

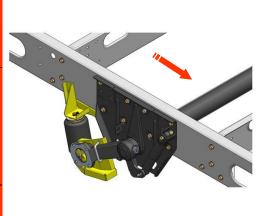


#### L.AL.94.LOW

Fiat, Citroën, Peugeot Ducato, Jumper, Boxer X230



Detail	Wheel	
Axle under the chassis `Low' Entrance Tandem Axle available	-	-1
Model Dates	Weight	
1994 <b>→</b> 2002	13	Kg
Axle Type	Air Spring	
Ţ.		4"

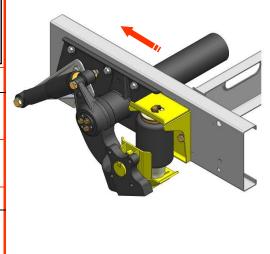


#### **L.AL.02**

Fiat, Citroën, Peugeot Ducato, Jumper, Boxer X244



Detail	Wheel	
Axle trough the chassis		
Tandem Axle available		
Model Dates	Weight	
2002 <b>→</b> 2006	11 <b>K</b> g	
Axle Type	Air Spring	
		4"





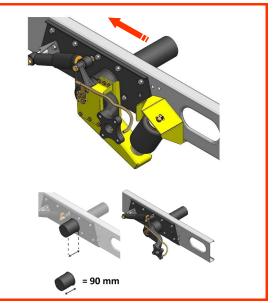


### L.AL.07

Fiat, Citroën, Peugeot Ducato, Jumper, Boxer X250



Detail	Wh	eel
Axle trough the chassis		
Tandem Axle available		
Model Dates	Weight	
2007 <b>→</b>	16 <b>K</b> g	
Axle Type	Air sı	pring
		4"

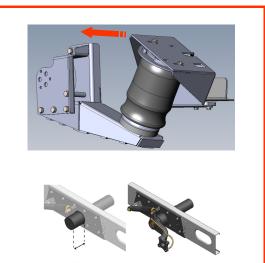


### L.AL.07(B)

Fiat, Citroën, Peugeot Ducato, Jumper, Boxer X250



Detail	Wheel	
Axle trough the chassis Broad gauge chassis Tandem Axle available	-	-1
Model Dates	Weight	
2007 <b>→</b>	18	Kg
Axle Type	Air spring	
		6"



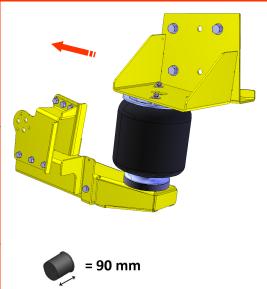
= 140 mm

### L.AL.07(C)

Fiat, Citroën, Peugeot Ducato, Jumper, Boxer X250



Detail	Wheel	
Axle under the chassis	-	-1
Model Dates	Weight	
2010 <b>→</b>	24	Kg
Axle Type	Air spring	
		6"



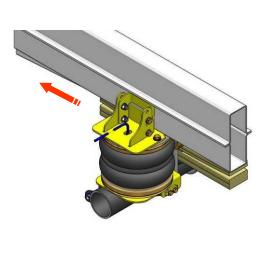




### L.D84.C.M CITROËN C25 280/ 290



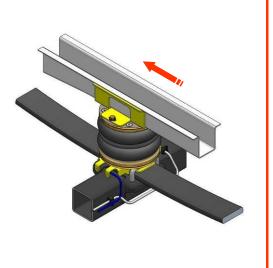
Detail		Wheel	
LSV Adjustm	ent Required	<b>I</b>	
Model Dates		We	ight
07/1983 <b>→</b> 03/1994		- -	12 <b>Kg</b>
Axle Type		Bel	low
$\bigcirc$			170/2



### L.D94.C.M CITROËN JUMPER X230



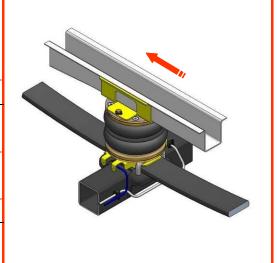
Detail		Wh	eel
LSV Adjustment Re withou		1—1	
Model Dates		Weight	
04/1994 <b>→</b> 02/2002		1	.1 <b>K</b> g
Axle	Axle Type		low
	75 X 75		170/2



### **L.D02.C.M** CITROËN JUMPER X244



Det	tail	Wheel		
LSV Adjustment Re withou Vans without ABS, a	it ABS			
Model Dates		Weight		
01/2002 <del>-</del>	06/2006	11 <b>K</b> g		
Axle	Туре	Bellow		
	75 X 75		170/2	



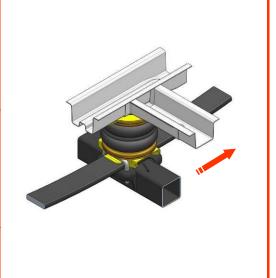




### L.D06.C.M CITROËN X250 JUMPER



De	tail	Wheel	
ABS Model			
option 4 available			
Model	Model Dates		ght
06/20	006 <del>&gt;</del>	12 <b>K</b> g	
Axle Type		Bellow	
	75 X 75		170/2



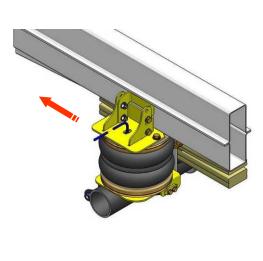




### **L.D84.C.M** FIAT DUCATO 280/ 290



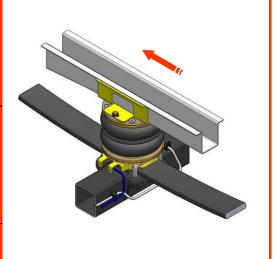
Detail		Wh	eel
LSV Adjustm	LSV Adjustment Required		
Model Dates		Weight	
01/1982 <b>→</b> 03/1994		12 <b>Kg</b>	
Axle	Axle Type		low
$\bigcirc$			170/2



### **L.D94.C.M** *FIAT DUCATO* X230



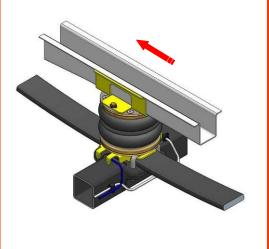
Detail		Wh	eel
LSV Adjustment Re withou		1-1	
Model	Dates	Wei	ght
03/1994 🗲 04/2002		1	1 <b>K</b> g
Axle	Туре	Bel	low
	75 X 75		170/2



### **L.D02.C.M** *FIAT DUCATO X244*



De	tail	Wheel	
,	LSV Adjustment Required for models without ABS		
Vans without ABS, always use option 4		4	
Model Dates		Weight	
04/2002 <b>→</b> 06/2006		11 <b>K</b> g	
Axle	Туре	Bel	low
	75 X 75		170/2



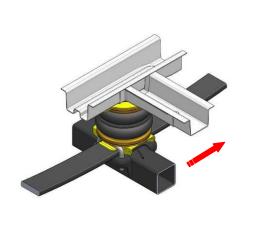




### **L.D06.C.M** *FIAT DUCATO* X250



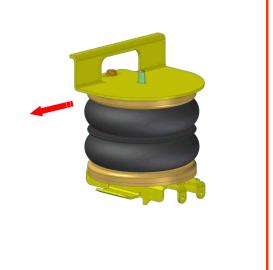
De	Detail		eel
ABS I	ABS Model		
option 4	option 4 available		
Model	Dates	Weight	
06/20	06/2006 →		.2 <b>Kg</b>
Axle	Туре	Bellow	
	75 X 75		170/2



### **L.DOBLO.C.M** FIAT DOBLO



heel	Wheel		De	
			ABS Model	
			Without anti roll bar	
eight	Weight		Model Dates	
11 <b>Kg</b>	11 <b>K</b> g		03/2001 <del>-</del>	
llow	Bellow		Axle	
170/2		80mm	$\bigcirc$	



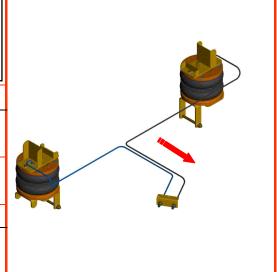




### **L.TRA.VA.C.M** *FORD TRANSIT 80/100/120*



Detail		Wh	eel
justme	nt Required	Н	
Model Dates		Weight	
01/1989 -> 12/2000		<sub>11</sub> Kg	
Axle T	Гуре	Bellow	
	75 X 75		170/2



#### L.TRA.RA.C.M FORD TRANSIT

**Model Dates** 

01/1989 **→** 12/2000

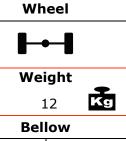
**Axle Type** 



130/150/190

Detail

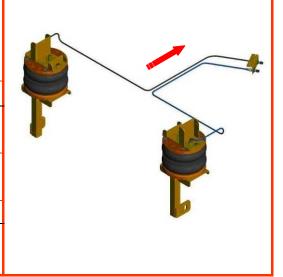
LSV Adjustment Required







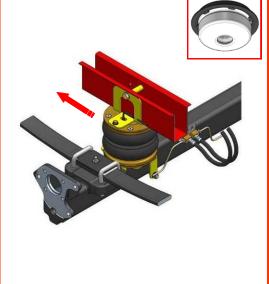
170/2



### **L.TRA.EV.C.M** *FORD TRANSIT* 150/150L/190L



Det	tail	Wheel	
LSV Adjustm	ent Required	H-1	
Model	Dates	Wei	ght
01/2001 <del>-</del>	06/2006	11 <b>K</b> g	
Axle	Туре	Bellow	
	70 X 90		170/2



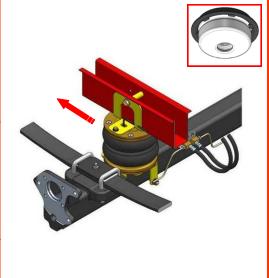




### **L.TRA.EV.C.M** FORD TRANSIT 250-350



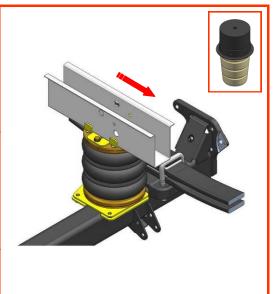
Def	Detail		eel
ABS Model		Н	
Model Dates		Weight	
06/20	06 →	11 <b>K</b> g	
Axle	Туре	Bel	low
	70 X 90		170/2



### **L.TRA.EV3.C.M** *FORD TRANSIT* 150/150L/190L



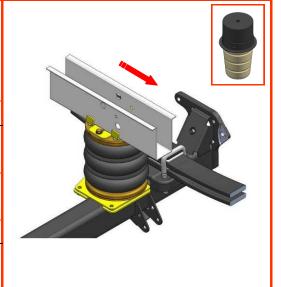
Detail		Wh	eel
	LSV Adjustment Required for models without ABS		-
Model	Dates	Weight	
01/2001 → 06/2006		12 <b>Kg</b>	
Axle	Туре	Bellow	
	70 X 90		170/3



### **L.TRA.EV3.C.M** *FORD TRANSIT 250-350*



De	tail	Wheel	
ABS Model		<b>—</b>	
Model Dates		Weight	
06/20	06 →	12 <b>Kg</b>	
Axle	Туре	Bellow	
	70 X 90		170/3



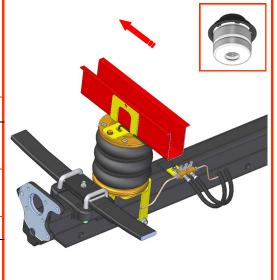




### **L.TRA.EV10.C.M** *FORD TRANSIT 350*



De	tail	Wheel	
ABS 1	Model	Н	
Model	Dates	Weight	
06/20	10 <b>→</b>	14 <b>K</b> g	
Axle	Туре	Bel	low
	76 X 106		170/3



### **L.TRA.EA.C.M** *FORD TRANSIT* 115-135



Detail

LSV Adjustment Required for models without ABS

Model Dates

01/2001 → 06/2006

Axle Type

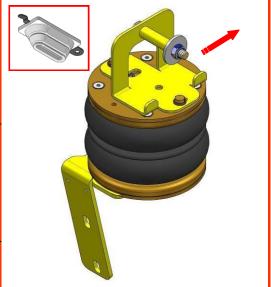
82mm

Wheel

Weight

11

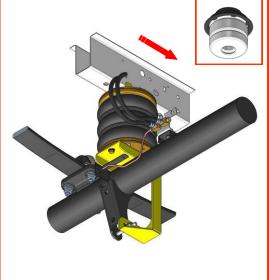
170/2



### **L.TRA.EAS.C.M** *FORD TRANSIT* 250-460



De	tail	Wheel	
ABS I	Model	H-1	
Model	Dates	Wei	ght
06/20	06 <del>&gt;</del>	13 <b>K</b> g	
Axle	Туре	Bel	low
$\bigcirc$	82mm		170/3



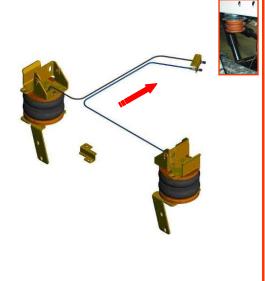




### **L.TRA.DA.C.M** FORD TRANSIT 350



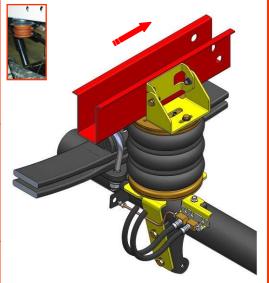
Def	tail	Wheel	
	nt Required for thout ABS	1111	
Model Dates		Weight	
01/2001 -	06/2006	13 <b>K</b> g	
Axle	Туре	Bellow	
$\bigcirc$	82mm		170/2



### **L.TRA.DA3.C.M** *FORD TRANSIT 300-350*



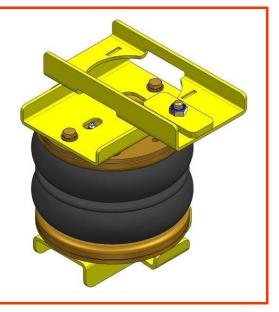
Det	tail	Wheel	
ABS N	Model	1111	
Model	Dates	Weight	
06/20	06 <b>→</b>	14 <b>K</b> g	
Axle	Туре	Bellow	
	82mm		170/3



### L.F.CONN.C.M FORD TRANSIT CONNECT



Def	tail	Wheel	
ABS I	Model		
Long wh	eel base		
Model	Dates	Weight	
06/20	04 <b>→</b>	12 <b>K</b> g	
Axle	Туре	Bellow	
0			170/2



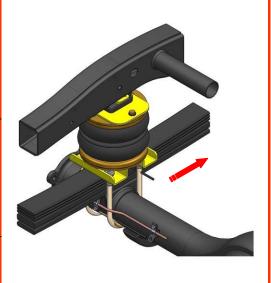




#### L.RAN.08.C.M FORD RANGER

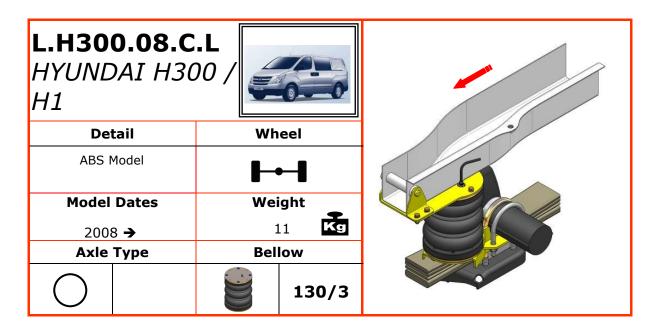


Detail	Wheel	
LSV Adjustment Required for models without ABS 4WD	H	
Model Dates	Weight	
04/1994 <del>&gt;</del> 02/2010	<sub>11</sub> Kg	
Axle Type	Bellow	
	170/2	









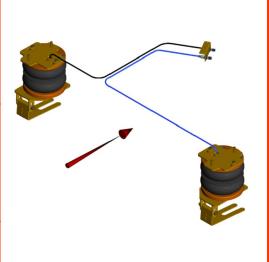




### **L.CAM.C.M** *ISUZU TROOPER*



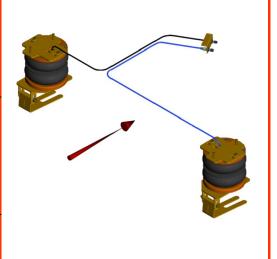
De	tail	Wheel	
LSV Adjustm	ent Required	<b>I</b> I	
Model	Dates	Wei	ght
1981 <del>-</del>	1990	1	2 <b>Kg</b>
Axle	Туре	Bel	low
0			170/2



### L.CAM.C.M ISUZU RODEO



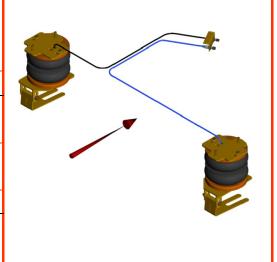
De	tail	Wheel	
	nt Required for thout ABS	<b>I</b>	
Model	Dates	Wei	ght
1991 <del>-</del>	▶ 2004	12 <b>K</b> g	
Axle	Туре	Bellow	
0			170/2



### **L.CAM.C.M** *ISUZU D-MAX*



De	tail	Wheel	
ABS I	Model	<b>I</b>	
Model	Dates	Weight	
200	5 <b>→</b>	12 <b>K</b> g	
Axle	Туре	Bellow	
0			170/2



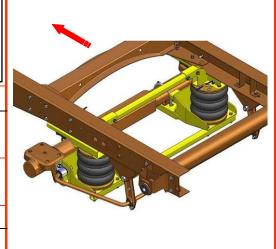




#### L.IVE.35.C.M IVECO DAILY 30 - 49



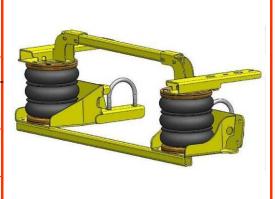
Det	tail	Wheel	
LSV Adjustm	ent Required	11-11	
Model	Dates	Wei	ght
01/1985 <b>-</b> 3	12/1999	(2 colli) = 26	
Axle	Туре	Bel	low
	82mm		170/3



### L.IVE.C.C.M IVECO DAILY 35C - 50C



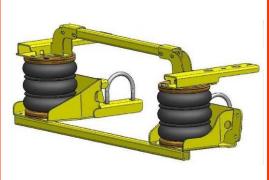
Detail		Wh	eel
LSV Adjustmer models wi			-11
Model	Dates	Wei	ght
07/1999 🛨	06/2006	(2 colli) = 2	26 <b>Kg</b>
Axle	Туре	Bel	low
$\bigcirc$	82mm		170/3



### L.IVE.C.C.M IVECO DAILY 35C - 50C



De	tail	Wheel	
ABS N	Model	<b>II</b> • • • • • • • • • • • • • • • • • •	
option 4	available		
Model	Dates	Weight	
200	6 →	(2 colli) = 26 <b>Kg</b>	
Axle	Туре	Bellow	
$\bigcirc$	82mm		170/3



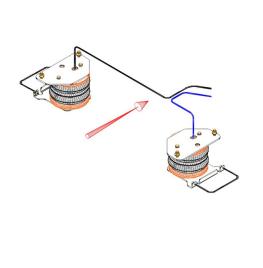




### L.IVE.65C.C.M IVECO DAILY 60C - 65C



De	tail	Wheel		
LSV Adjustmer models wi		11-11		
Model	Model Dates		Weight	
1999	9 →	13		
Axle	Туре	Bellow		
$\bigcirc$			170/2	







#### Important Information: Iveco Daily L and S

Dunlop Systems and Components offers three auxiliary air suspension kits for the Iveco Daily L and S models. The following table, illustrations and photographs will help you to make the correct choice of kit according to model year and rear suspension layout.

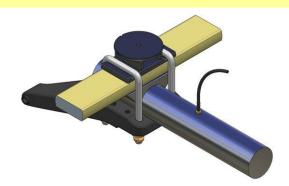
	Model Year 2000-'04 L.IVE.S.C.M	Model Year 2005 L.IVE.LS.C.M	Model Year 2006 On L.IVE.LS.06.C.M
Position of Leaf Spring	Beneath Axle	Above Axle	Above Axle
Position of Torsion Bar	In Front of Axle	Behind Axle	Behind Axle
Position (of the upper side) of the Shock Absorber	Outside the chassis Behind the axle	Outside the chassis <b>Behind the axle</b>	Inside the chassis In front of the axle

#### L.IVE.S.C.M



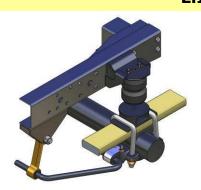


#### L.IVE.LS.C.M





#### L.IVE.LS.06.C.M





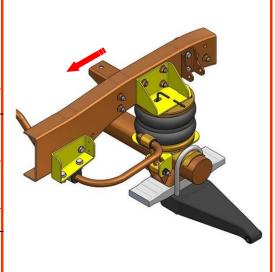




### L.IVE.S.C.M IVECO DAILY L & S



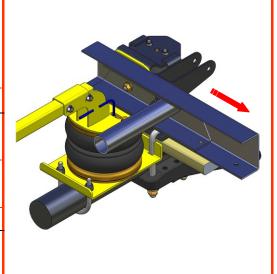
Def	tail	Wheel	
LSV Adjustmer models wi	nt Required for thout ABS	<b>I</b>	
Model Dates		Weight	
2000 <b>→</b> 2004		1	2 <b>Kg</b>
Axle	Туре	Bellow	
$\bigcirc$			170/2



### L.IVE.LS.C.M IVECO DAILY L & S



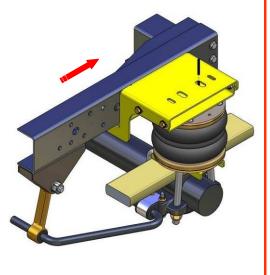
De	tail	Wheel	
LSV Adjustmer models wi	nt Required for thout ABS	Н	
Model Dates		Wei	ght
2005		1	.5 <b>Kg</b>
Axle	Туре	Bel	low
$\bigcirc$			170/2



### L.IVE.LS.06.C.M IVECO DAILY L & S



Detail	Wheel	
ABS Model	Н	
Model Dates	Weight	
2006 <del>&gt;</del>	15 <b>Kg</b>	
Axle Type	Bellow	
	170/2	





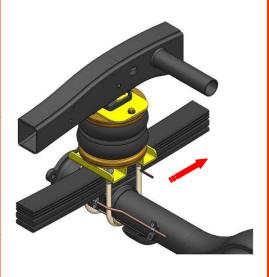




### L.RAN.08.C.M MAZDA B2300, *B2500*



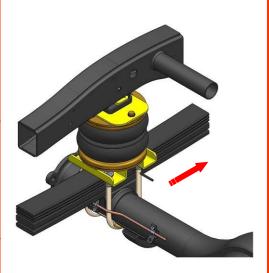
Detail Wheel		
tment Required		
4WD	<b></b> 1	
el Dates Weight	Weight	
· → 02/2002 11	Κg	
le Type Bellow		
170	/2	



### L.RAN.08.C.M MAZDA B2300, *B2500*



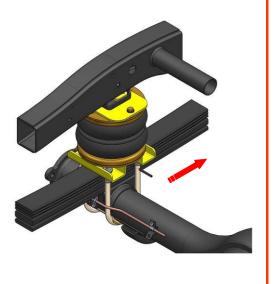
Wheel	tail	Def	
<b>II</b>			LSV Adjustmer models wi 4W
Weight		Model Dates	
11 <b>Kg</b>		2002 <b>→</b> 2006	
Bellow	Bellow		Axle
170/2			$\bigcirc$



### L.RAN.08.C.M MAZDA BT-50



Detail	Wheel		
LSV Adjustment Required for models without ABS 4WD	<b>II</b>		
Model Dates	Weight		
01/2006 → 06/2011	11 <b>K</b> g		
Axle Type	Bellow		
0	170/2		



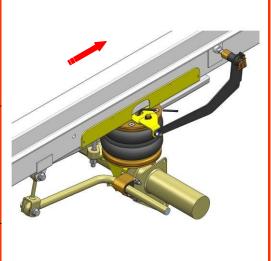




# **L.312.C.M** *MERCEDES BENZ SPRINTER 208D / 316CDI*



Deta	ail	Wheel	
LSV Adjustment Required for models without ABS			
Vans without ABS, alw	vays use option 4	4	
Model Dates		Weight	
1995 <b>→</b> 2006		1	.5 <b>Kg</b>
Axle T	Axle Type		low
0			170/2

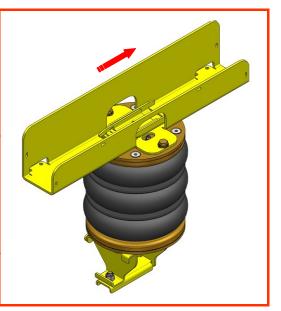


#### L.312.C.M 4x4

*MERCEDES BENZ SPRINTER 208D /* 316CDI 4x4



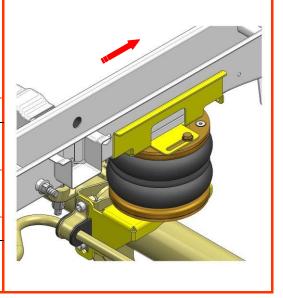
JIUCDI TAT		
Detail	Wheel	
LSV Adjustment Require models without ABS	H	
Model Dates	Wei	ght
1995 <b>→</b> 2006	16 <b>K</b> g	
Axle Type	Bellow	
	170/	



#### L.315.06.C.M MERCEDES BENZ SPRINTER 200 / 300



Wheel	Detail	
	ABS Model	
	option 4 available	
Weight	Model Dates	
13 <b>Kg</b>	2006 <b>→</b>	
Bellow	Axle Type	
170/2	0	

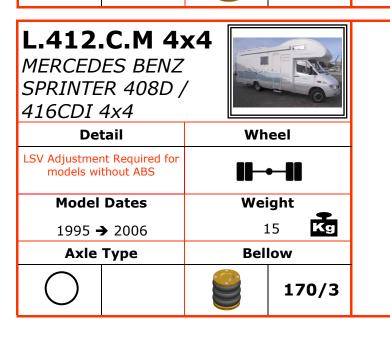


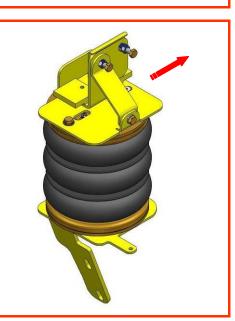












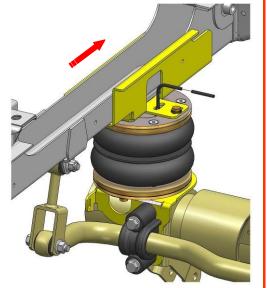




#### L.515.06.C.M MERCEDES BENZ SPRINTER 400



De	tail	Wheel	
ABS I	Model		
option 4	available		
Model Dates		Weight	
2006 <b>→</b>		1	L4 <b>Kg</b>
Axle Type		Bel	low
$\bigcirc$			170/2

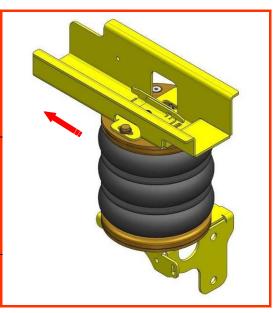


#### L.515.06.C.M 4x4

MERCEDES BENZ SPRINTER 400 4WD



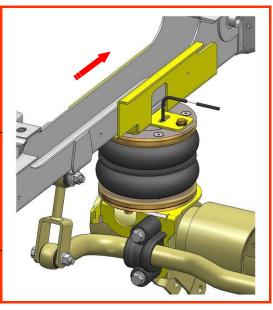
SINTINIE	N TOO TV		
De	tail	Wheel	
ABS I	Model	11 - 11	
Model	Dates	Weight	
200	6 →	15 <b>Kg</b>	
Axle	Туре	Bellow	
0			170/3

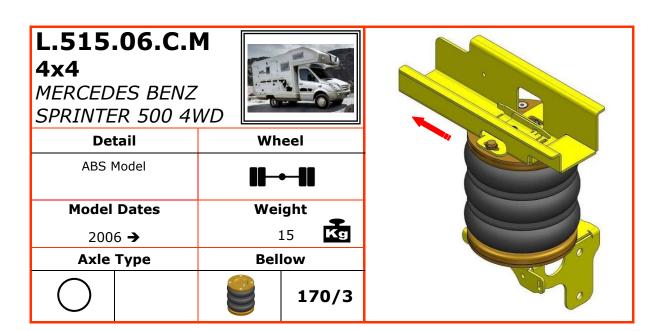


#### L.515.06.C.M MERCEDES BENZ SPRINTER 500



Wheel	Wheel		De
	1111		ABS I
es Weight	Weight		Model
<sub>14</sub> Kg	1	6 <b>→</b>	200
e Bellow	Bellow		Axle
170/2			$\bigcirc$







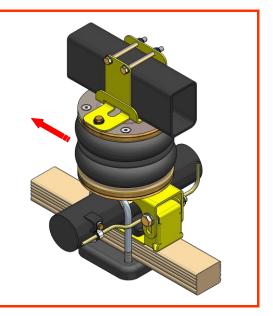




## **L.L200.2.C.M** *MITSUBISHI L200 2WD*



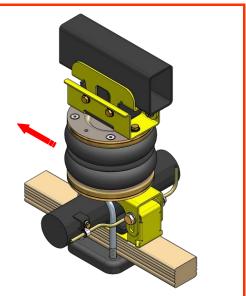
De	tail	Wheel	
LSV Adjustmer models wi	nt Required for thout ABS	<b>H</b>	
Model	Dates	Weight	
1991 <del>-</del>	2006	11 K	
Axle	Туре	Bellow	
$\bigcirc$			170/2



## **L.L200.4.C.M** MITSUBISHI L200 4WD



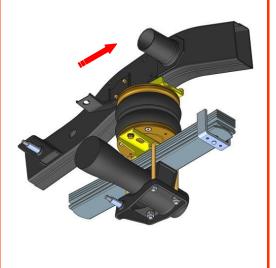
Detail		Wheel	
LSV Adjustmer models wi		<b>I</b> I	
Model Dates		Weight	
1991 <b>→</b> 2006		<sub>12</sub> Kg	
Axle	Туре	Bellow	
$\bigcirc$			170/2



# **L.L200.07.C.M** *MITSUBISHI L200 4WD*



Detail	Wheel	
ABS Model	H	
Model Dates	Weight	
2006 <b>→</b>	11 <b>K</b> g	
Axle Type	Bellow	
0	170/2	



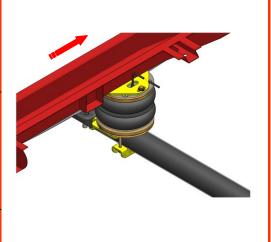


#### L.MAS.MOV.C.M NISSAN INTERSTAR

NISSAN INTERSTAF X70



Def	tail	Wheel	
LSV Adjustment Re withou			
Vans without ABS, a	always use option 4	4	
Model	Dates	Weight	
1999 <del>-</del>	9 → 2010		1 <b>Kg</b>
Axle	Туре	Bellow	
0			170/2



## L.MAS.10.C.M NISSAN NV400 X62



Det	ail	Wheel	
ABS N	Model	<b>—</b>	
Model	Dates	Weight	
2010	<b>→</b>	12 <b>K</b> g	
Axle '	Туре	Bellow	
			170/2



## L.MAS.10D.C.M NISSAN NV400 X62



		<u> </u>		
De	tail	Wheel		
ABS	Model	H		
Model	Model Dates		Weight	
201	010 → 11		11 <b>Kg</b>	
Axle	Туре	Bellow		
			170/2	







## **L.MAS.10D.C.M** *NISSAN NV400 X62*



Detail	Wheel	
ABS Model	11-11	
Model Dates	Weight	
2010 <del>&gt;</del>	11 <b>K</b> g	
Axle Type	Bellow	
$\bigcirc$	170/2	

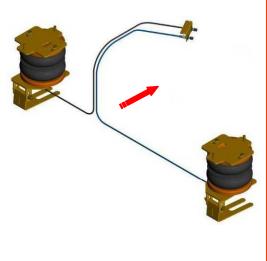


#### L.KI.C2.C.M

NISSAN SINGLE-, KING-, DOUBLE-CAB, D21/D22 2WD



Detail	Wheel	
LSV Adjustment Required for models without ABS	<b>I</b> I	
Model Dates	Weight	
1986 <del>&gt;</del>	12 <b>Kg</b>	
Axle Type	Bellow	
0	170/2	

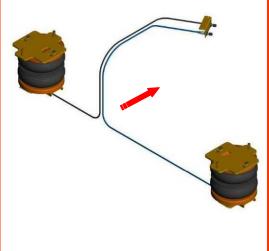


#### L.KI.C4.C.M

NISSAN SINGLE-, KING-, DOUBLE-CAB, NAVARE D21/D22 4WD



De	tail	Wheel		
	nt Required for thout ABS	<b>I</b>		
Model	Model Dates		Weight	
1986 <b>→</b>		<sub>11</sub> Kg		
Axle	Туре	Bellow		
$\bigcirc$			170/2	





#### **AUXILIARY AIR SUSPENSION**

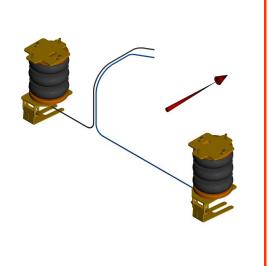


# L.KI.C4.C.M LOOK

NISSAN DOUBLE CAB 4-LOOK D22 2WD



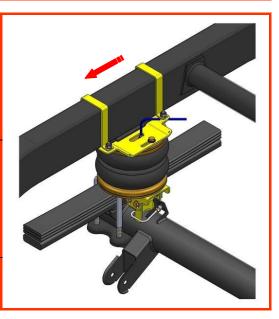
14-LOOK DZZ ZVVD		_	
Detail		Wheel	
	nt Required for ithout ABS	Dr ■	
Model Dates		Weight	
1998 <b>→</b> 2004		<sub>12</sub> Kg	
Axle Type		Bel	low
$\bigcirc$			170/3



## **L.NAV.05.C.M** *NISSAN NAVARA D40*



De	tail	Wheel	
ABS 1	Model	<b>I</b> I	
Model Dates		Weight	
200	5 <b>→</b> 12		<sub>12</sub> Kg
Axle	Туре	Bellow	
0			170/2

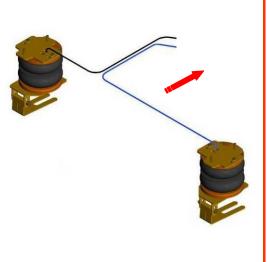




## L.CAM.C.M OPEL CAMPO



De	tail	Wheel		
LSV Adjustmer models wi		<b>I</b>		
Model	Model Dates		Weight	
1989 <del>&gt;</del> 2001		12 <b>Kg</b>		
Axle	Туре	Bellow		
0			170/2	



## L.MAS.MOV.C.M OPEL MOVANO



neel	Wheel		De		
			LSV Adjustment Required for models without ABS		
	•	Vans without ABS, always use option 4			
ight	Weight		Model Dates		
<sub>11</sub> Kg	11 <b>K</b>		1999 <del>-</del>		
low	Bellow		Axle		
170/2			0		



## L.MAS.10.C.M OPEL MOVANO



Detail	Wheel	
ABS Model	1—1	
Model Dates	Weight	
2010 <del>&gt;</del>	12 <b>Kg</b>	
Axle Type	Bellow	
	170/2	







## L.MAS.10D.C.M OPEL MOVANO *X*62



De	tail	Wheel	
ABS	Model	<b>I</b> I	
Model Dates		Weight	
201	0 <b>→</b>	11 <b>K</b> g	
Axle	Туре	Bellow	
$\bigcirc$			170/2



## L.MAS.10D.C.M OPEL MOVANO *X62*



De	tail	Wheel	
ABS	Model	11 - 11	
Model Dates		Weight	
201	0 <b>→</b>	11 <b>K</b> g	
Axle	Туре	Bellow	
0			170/2

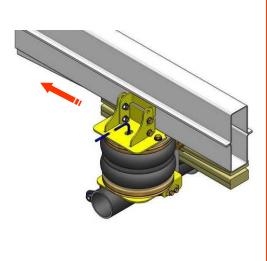




## L.D84.C.M PEUGEOT J5



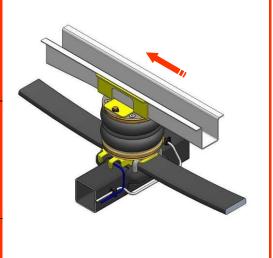
De	Detail		eel
LSV Adjustment Required		<b>I</b>	
Model Dates		Weight	
1982 <del>&gt;</del> 1994		12 <b>K</b> g	
Axle	Туре	Bellow	
$\bigcirc$		170/	



## **L.D94.C.M** *PEUGEOT X230 BOXER*



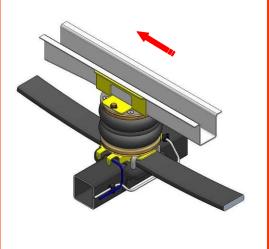
De	tail	Wheel	
LSV Adjustment Required for models without ABS		1—1	
Model Dates		Weight	
1994 <del>-</del>	2002	11 K	
Axle	Туре	Bellow	
	75 X 75		170/2



## **L.D02.C.M** *PEUGEOT X244 BOXER*



Def	tail	Wheel	
LSV Adjustment Required for models without ABS			
Vans without ABS, a	Vans without ABS, always use option 4		•
Model Dates		Weight	
2002 <del>&gt;</del>	06-2006	11 <b>K</b> g	
Axle Type		Bellow	
	75 X 75	170	





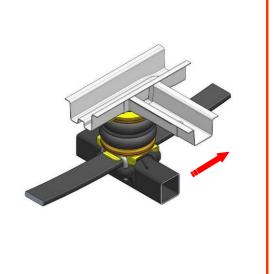
#### OP DUNLOP SYSTEMS AND COMPONENTS AUXILIARY AIR SUSPENSION



## L.D06.C.M PEUGEOT X250 BOXER



Detail	Wheel
ABS Model	
option 4 available	
Model Dates	Weight
06-2006 <del>&gt;</del>	12 <b>Kg</b>
Axle Type	Bellow
75 X 75	170/2







#### L.MAS.MOV.C.M RENAULT MASTER



De	Detail		eel	
	LSV Adjustment Required for models without ABS			
Vans without ABS, always use option 4		4		
Model Dates		Weight		
1998 <b>→</b> 2010		11 <b>K</b> g		
Axle Type		Bellow		
0			170/2	



## **L.MAS.10.C.M** *RENAULT MASTER* X62



Detail

ABS Model

Model Dates

2010 →

Axle Type

Bellow

170/2



#### L.MAS.10D.C.M RENAULT MASTER X62



De	tail	Wheel	
ABS	Model	<b>I</b> →I	
Model Dates		Weight	
201	0 <b>→</b>	11 <b>K</b> g	
Axle	Туре	Bellow	
$\bigcirc$			170/2





#### **AUXILIARY AIR SUSPENSION**





## L.MAS.10D.C.M RENAULT MASTER X62



Det	tail	Wheel	
ABS I	Model	11 - 11	
Model	Model Dates		ght
2010	<b>→</b>	11 <b>K</b> g	
Axle	Туре	Bellow	
$\bigcirc$			170/2



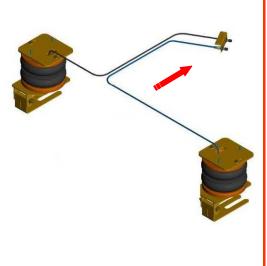




# L.HI.L2.C.M TOYOTA HI-LUX 2WD



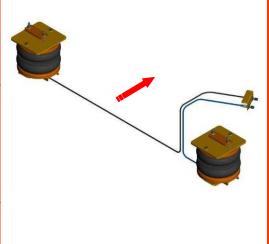
De	Detail		eel
LSV Adjustment Required for models without ABS		<b>I</b>	
Model Dates		Weight	
1998 <del>&gt;</del>		12 <b>K</b> g	
Axle Type		Bellow	
$\bigcirc$		170	



## L.HI.L4.C.M TOYOTA HI-LUX 4WD



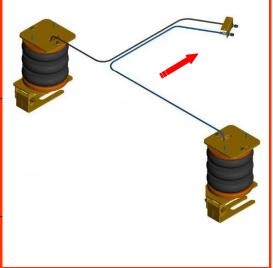
	· · · · · · · · · · · · · · · · · · ·	
Detail	Wheel	
LSV Adjustment Required for models without ABS	<b>I</b> I	
Model Dates	Weight	
1998 <b>→</b>	12 <b>K</b> g	
Axle Type	Bellow	
0	170/2	



# L.HI.L2.3.C.M TOYOTA LAND CRUISER HZJ79



De	tail	Wheel	
LSV Adjustmer models wi		<b>I</b>	
Model	Dates	Wei	ight
198	5 <b>→</b>	13 <b>K</b> g	
Axle	Туре	Bel	low
$\bigcirc$			170/3



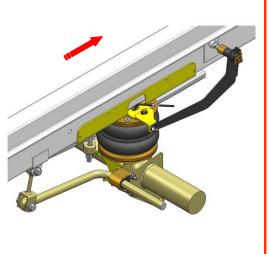




## L.312.C.M VOLKSWAGEN LT -28 - 35



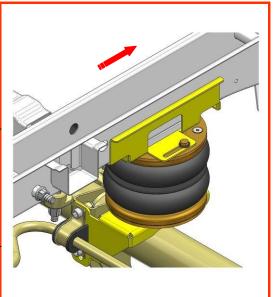
Def	tail	Wheel		
LSV Adjustment Re withou				
Vans without ABS, a	always use option 4			
Model	Dates	Weight		
1995 <del>-</del>	2006	15 <b>Kg</b>		
Axle	Туре	Bellow		
0			170/2	



## L.315.06.C.M **VOLKSWAGEN CRAFTER 28-35**



De	tail	Wheel			
ABS I	Model	<b>I</b> I			
option 4	available				
Model	Dates	Weight			
200	6 <b>→</b>	13 <b>K</b> g			
Axle	Туре	Bellow			
$\bigcirc$			170/2		



## L.315.06.C.M 4x4

**VOLKSWAGEN CRAFTER 28-35** 

**Detail** 

ABS Model



Wheel





**Model Dates** 2006 →

Axle Ty









170/3

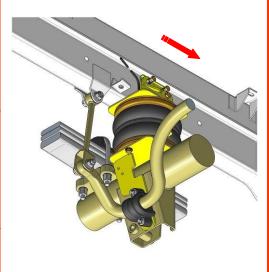




## **L.412.C.M** *VOLKSWAGEN LT-4*6



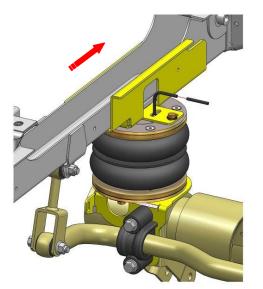
Det	tail	Wheel	
LSV Adjustment Re withou		11-11	
Vans without ABS, a	always use option 4		
Model	Dates	Weight	
1995 <del>-</del>	2006	14 <b>K</b> g	
Axle	Туре	Bellow	
$\bigcirc$			170/2



## **L.515.06.C.M** *VOLKSWAGEN CRAFTER 46*



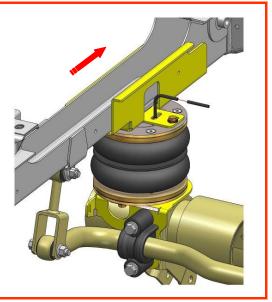
Det	ail:	Wheel	
ABS M	1odel		
option 4 a	available		
Model	Dates	Weight	
2006	5 <b>→</b>	15 <b>K</b> g	
Axle '	Туре	Bellow	
$\bigcirc$			170/2



## **L.515.06.C.M** *VOLKSWAGEN CRAFTER 50*



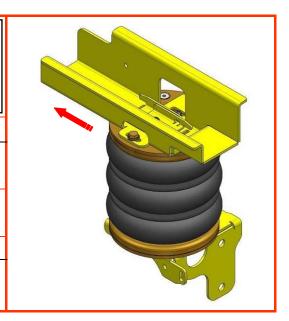
De	tail	Wheel	
ABS Noption 4		11-	-11
Model	Dates	Weight	
200	6 →	<sub>14</sub> Kg	
Axle	Туре	Bellow	
0			170/2







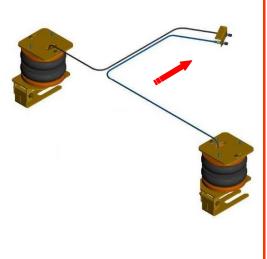
#### L.515.06.C.M 4x4 VOLKSWAGEN CRAFTER 50 **Detail** Wheel ABS Model **Model Dates** Weight Kg 15 2006 → **Bellow Axle Type** 170/3



## **L.HI.L2.C.M** *VOLKSWAGEN TARO 2WD*



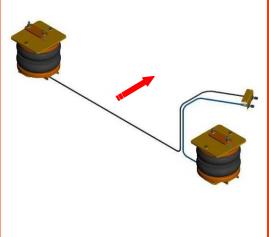
De	tail	Wheel	
		<b>I</b> I	
Model	Dates	Weight	
200	6 <b>→</b>	12 <b>Kg</b>	
Axle	Туре	Bellow	
0			170/2



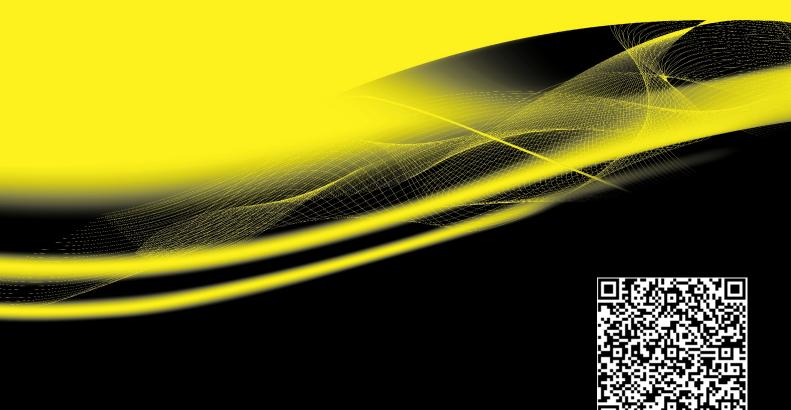
## **L.HI.L4.C.M** *VOLKSWAGEN TARO 4WD*



De	tail	Wheel		
ABS I	Model	<b>I</b> I		
Model	Dates	Weight		
200	6 →	<sub>12</sub> Kg		
Axle	Туре	Bellow		
$\bigcirc$			170/2	







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