

Front Fork Cartridge Kit Kawasaki KX 85

# FGKA 16900

Spare Parts List



ADVANCED SUSPENSION TECHNOLOGY

# SAFETY PRECAUTIONS

## General Warnings

**Note!**

*The shock absorber/front fork/steering damper is an important part of the vehicle and will affect the stability.*

**Note!**

*Read and ensure you understand the information in this manual and other technical documents provided by Öhlins, before using the product.*

**Note!**

*Öhlins Racing AB can not be held responsible for any damage to the shock absorber/front fork/steering damper, vehicle, other property or injury to persons, if the instructions for mounting, usage and maintenance are not followed exactly.*

**Warning!**

*After installing the Öhlins product, take a test ride at low speed to ensure your vehicle has maintained stability.*

**Warning!**

*If the suspension makes an abnormal noise, or the function is irregular, or if you notice any leakage from the product, stop the vehicle immediately and return the product to an Öhlins Service Centre.*

**Warning!**

*The product warranty shall only apply if the product has been operated and maintained in accordance with recommendations in this manual. If you have any questions regarding usage, service, inspection and/or maintenance please contact Öhlins.*

**Note!**

*When working with the Öhlins product, always read the Vehicle Service Manual.*

## Safety Symbols

In this manual, mounting instructions and other technical documents, important information concerning safety is distinguished by the following symbols:



*The Safety Alert Symbol means: Warning! Your safety is involved.*



*The Warning Symbol means: Failure to follow warning instructions can result in severe or fatal injury to anyone working with, inspecting or using the shock absorber, or to bystanders.*



*The Caution Symbol means: Special precautions must be taken to avoid damage to the shock absorber.*



*The Note Symbol indicates information that is important regarding procedures.*

## Product Specific Warnings

**Warning!**

*This product was developed and designed exclusively for a specific vehicle model and shall only be installed on the intended vehicle model in its original condition as delivered from the vehicle manufacturer.*

**Warning!**

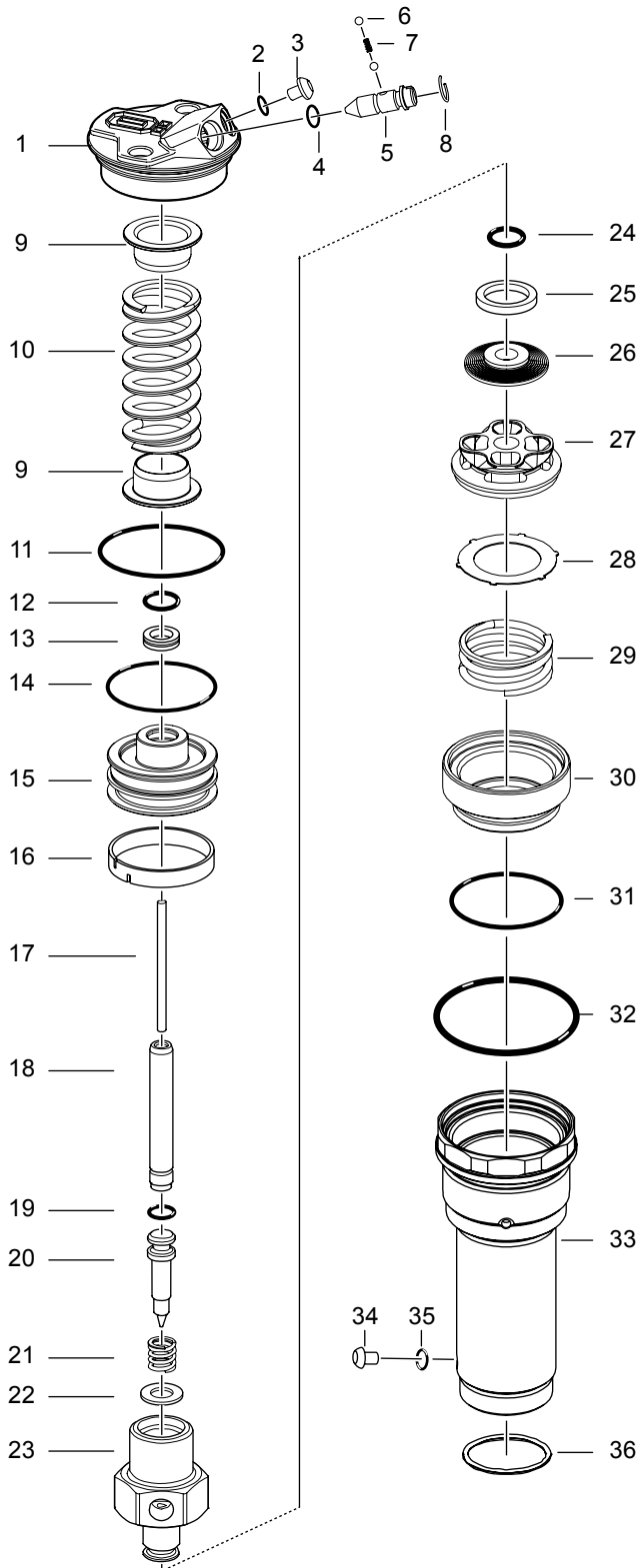
*This product contains pressurized nitrogen gas (N<sub>2</sub>). Do not open, service or modify this product without proper education (authorized Öhlins dealer/distributor) and proper tools.*

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**Figure 1 - Top Cap Assembly, Gas Piston, compression Valve**



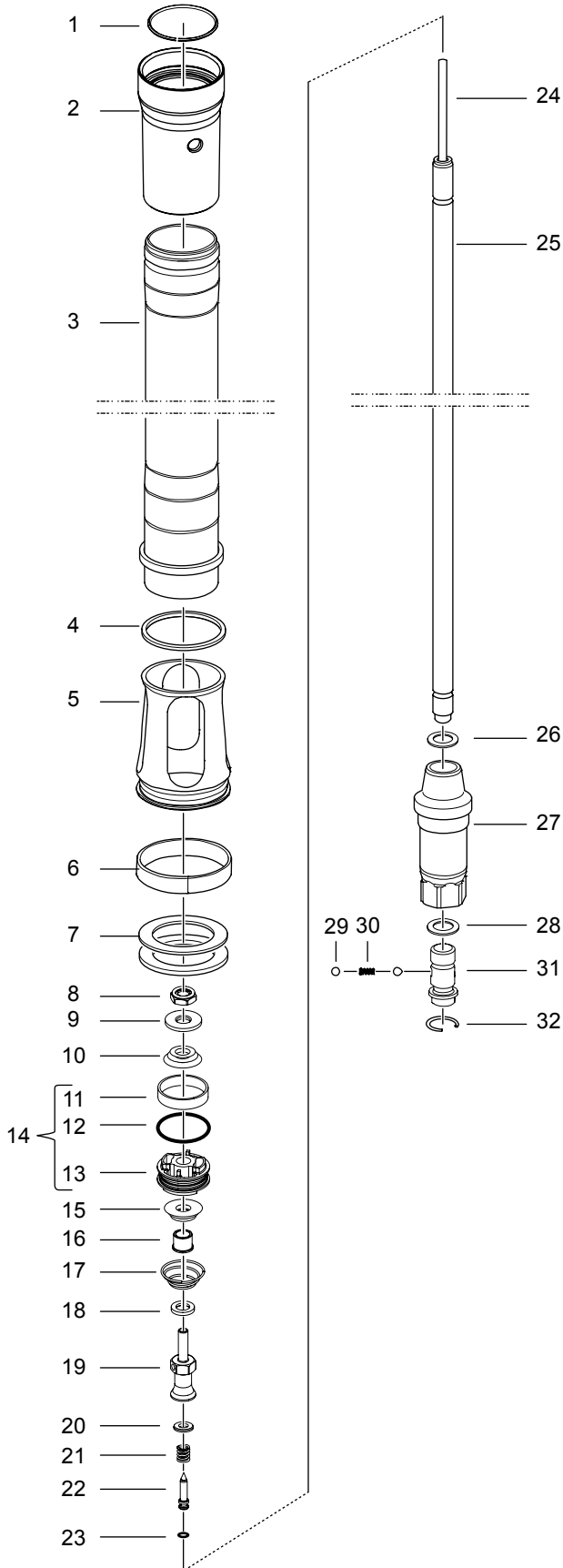
Pos	Part No	Pcs	Description	Notes
1-1	15476-03	1	Top cap	
1-2	00338-59	2	O-ring	
1-3	01050-01	2	Screw	
1-4	00338-79	1	O-ring	
1-5	15422-02	1	Adj. screw comp.	
1-6	00884-02	2	Ball	
1-7	01474-01	1	Spring	
1-8	01473-06	1	Circlip	
1-9	15488-01	2	Spring guide	
1-10	15478-02	1	Spring	
1-11	00438-96	1	O-ring	
1-12	00583-01	1	O-ring	
1-13	01027-12	1	X-ring	
1-14	00438-57	1	O-ring	
1-15	15420-10	1	Reservoir piston	
1-16	01447-03	1	Piston ring	
1-17	15498-01	1	Adj. rod	
1-18	15403-01	1	Shaft	
1-19	00338-56	1	O-ring	
1-20	15416-01	1	Adj. needle	
1-21	15433-01	1	Spring	
1-22	15414-01	1	Valve washer	
1-23	15427-01	1	Rod end	
1-24	00638-13	1	O-ring	
1-25	01449-xx	1	Clamp washer	See spec.card
1-26	-	-	Shim stack	
1-27	21044-31	-	Comp. valve	
1-28	21045-02	1	Check valve shim	
1-29	21046-30	1	Check valve spring	
1-30	15473-02	1	Check valve housing	
1-31	00338-20	1	O-ring	
1-32	00438-94	1	O-ring	
1-33	15472-14	-	Reservoir tube	
1-34	00382-35	1	Screw	
1-35	00638-13	1	O-ring	
1-36	00638-86	1	O-ring	

Pos	Part No	Tightening torque	Loctite	Grease
1-1	15476-03	20Nm		
1-3	01050-01	3Nm		
1-17	15498-01	40Nm		0015901
1-23	15427-01	12Nm	603	
1-34	00382-35	1,6Nm	243	

**Note!**

Use grease 00159-01 on all o-rings and x-rings.

**Figure 2 - Outer Tube, Spring Guide, Rebound valve and Shaft**

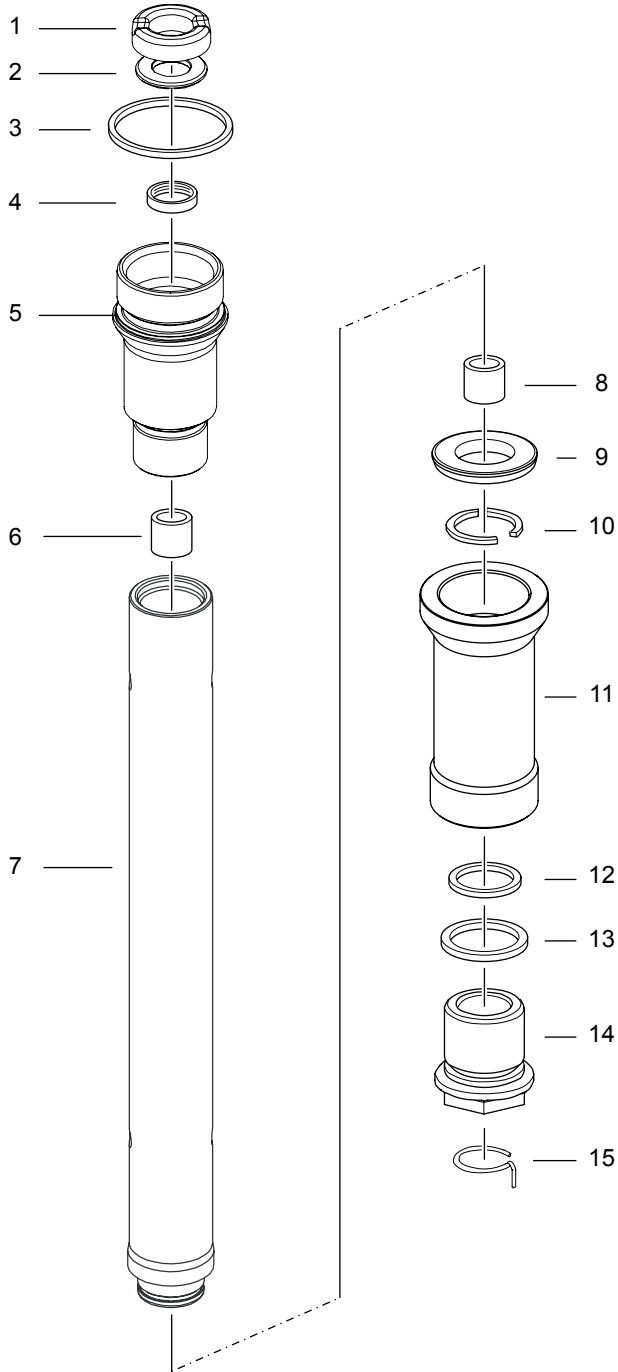


Pos	Part No	Pcs	Description	Notes
2-1	00557-07	1	Circlip	
2-2	15472-05	1	Reservoir nut	
2-3	15491-11	1	Cyl. tube with stop ring	
2-4	15413-10	1	Thrust washer	
2-5	15429-12	1	Spring pusher	
2-6	15481-03	1	Spring bushing	
2-7	15495-02		Preload washer	2mm
2-8	15421-01	1	Nut	
2-9	01449-xx	1	Clamp washer	See spec. card
2-10	-	-	Shim stack	See spec. card
2-11	15409-02	1	Piston ring	
2-12	00638-68	1	O-ring	
2-13	15406-04	1	Piston	
2-14	15406-10	1	Piston assy	
2-15	-	-	Shim stack	
2-16	15483-06	1	Sleeve	
2-17	15497-02	1	Spring	
2-18	01449-xx	1	Clamp washer	See spec. card
2-19	15425-03	1	Piston holder	
2-20	15414-01	1	Washer	
2-21	15433-01	1	Spring	
2-22	15415-02	1	Adj. needle	
2-23	00338-56	1	O-ring	
2-24	15412-09	1	Adj. shaft	
2-25	15454-06	1	Shaft	
2-26	00338-39	1	O-ring	
2-27	15431-01	1	End piece	
2-28	00338-79	1	O-ring	
2-29	00884-02	2	Ball	
2-30	01474-01	1	Spring	
2-31	15423-01	1	Adj. screw	
2-32	01473-06	1	Circlip	

Pos	Part No	Tightening torque	Loctite	Grease
2-2	15472-05	60Nm	2701	
2-8	15421-01	5Nm		
2-19	15425-03	12Nm	243	
2-24	15412-09			0015901
2-27	15431-01	10Nm	603	

**Note!**  
Use grease 00159-01 on all o-rings and x-rings.

**Figure 3 - Inner Tube, Seal head and Hydraulic Stop**



Pos	Part No	Pcs	Description	Notes
3-1	15479-01	1	Top out rubber	
3-2	15480-01	1	Washer	
3-3	00438-12	1	O-ring	
3-4	15428-01	1	L-cup seal	
3-5	15474-01	1	Bottom cap	
3-6	01056-09	1	Bushing	
3-7	15475-01	1	Hydr.stop tube	
3-8	01056-09	1	Bushing	
3-9	15441-10	1	Hydr.stop piston	
3-10	00131-05	1	Circlip	
3-11	15456-12	1	Hydr.stop cyl.	
3-12	00338-10	1	O-ring	
3-13	00438-12	1	O-ring	
3-14	15430-09	1	Base plug	
3-15	15440-01	1	Circlip	

Pos	Part No	Tightening torque	Loctite	Grease
3-5	15474-01	40Nm	2701	
3-7	15475-02	20Nm	480	

**Note!**  
Use grease 00159-01 on all o-rings and x-rings.

Your Öhlins retailer:



Öhlins Racing AB  
Box 722  
SE-194 27, Upplands Väsby  
Sweden

Phone: +46 (0)8 590 025 00  
Fax: +46 (0)8 590 025 80  
[www.ohlins.com](http://www.ohlins.com)



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