



Shock absorber Kit for Jeep Wrangler JL, for 2-3" lift springs

JEV MU10

Mounting Instructions



👁 Note!

These shocks are designed to be used with 2-3" lift springs and 1.5-2" bump stop spacers. It is important that you use the recommended bump stop spacers. If you use less, you will bottom out the shock. If you use more, you will lose the PDS function.

👁 Note!

Since these shocks are designed to be used on a lifted Jeep Wrangler JL, you need to carefully check that everything clears and does not bind. Such as brake hoses, sway bar end links, drive shaft and so on.

👁 Note!

Depending on rim offset and tire width, wheel spacers may be needed to clear the shock components. This kit was developed on a 2019 Jeep Wrangler JL with 35x12.5 R17 tyres.

👁 Note!

Please note that this image is a general representation of the product and may differ slightly from your product.

👁 Note!

Please note that during storage and transportation, especially at high ambient temperature, some of the oil and grease used for assembling may leak and stain the packaging. This is in no way detrimental to the product, wipe off the excessive oil/grease with a cloth.

👁 Note!

Before installing this product, check the contents of the kit. If anything is missing, please contact an Öhlins dealer.

⚠ Warning!

Before installing this product, read the Öhlins Owner's Manual. The shock absorber is an important part of the vehicle and the vehicle stability.

⚠ Warning!

Carefully read, understand and follow the instructions provided in this manual, and keep it in a safe place for future reference. If you have any doubt whatsoever regarding the installation or maintenance of your Öhlins shocks, please see your retailer for assistance or advice. Failure to follow the warnings and instructions provided herein can result in the failure of the suspension system, or can cause you to lose control of your vehicle, resulting in an accident, severe personal injury or death. These instructions should remain in the vehicle glove box for future reference

⚠ Warning!

If you do not have the tools or are unsure of your abilities, have this system installed by a certified technician. ÖHLINS IS NOT RESPONSIBLE FOR DAMAGE OR FAILURE RESULTING FROM AN IMPROPER INSTALLATION.



Kit Contents

	Description	Part No	Pcs
1	Shock absorber	JEV 5U10	2
2	Reservoir bracket	25654-09	2
3	Reservoir bracket, plastic	05378-20	2
4	Screw, M5, 16mm	01046-18	8
5	Screw, M5, 20mm	01046-55	4
6	M5 lock nut	00430-04	12
7	Screw, M8, 105mm	00429-32	2
8	Washer 8mm	00426-03	2
9	Flange nut M8	00139-03	2
10	Sticker ÖHLINS	11221-01	2
11	Sticker set	10207-01	1
12	Owners manual	07440-06	1

Shock absorber Kit for Jeep Wrangler JL – front

JEV MU10

Mounting Instructions

MOUNTING INSTRUCTIONS

⚠ Warning!

If working on a raised vehicle, ensure that it is securely supported to prevent it from tipping over.

👁 Note!

When working on this product, see the Vehicle Service Manual for vehicle specific procedures and important data.

1

Lift the vehicle so the axle is at full droop and support it. Unbolt the upper shock bolt and the lower shock bolt and remove the OEM shock absorbers.

👉 Caution!

Ensure the vehicle and axle are securely supported. Make sure the front axle does not drop and stretch the brake hoses.

2 - Shock installation

Install the Öhlins shock in the upper shock tower and make sure the hose-side of the cylinder head is fitted towards the tire side. See Fig 1.

3

Route the hose towards the front and make sure there are no sharp edges that could damage the hose.

4

Fit the lower shock bolt and make sure the rebound adjuster is facing the rear so you have access to the rebound adjuster. See fig 2.



MOUNTING INSTRUCTIONS

5 - Reservoir installation

Install the plastic reservoir clamp brackets (#3) to the reservoir bracket (#2) using the 4pcs 16 mm long M5 screws (#4) and M5 nuts (#6). See fig 3.

6

Insert the reservoir into the clamp brackets with the compression adjuster knob facing outwards. See fig 4.

7

Install the 20mm M5 screws (#5) and M5 lock nut (#6) into the clamp brackets and tighten them to 5Nm.

8

Install the reservoir assembly to the frame by using the long M8 screw (#7) through the hole in the reservoir bracket and through the frame. Install the M8 washer (#8) and the M8 flange nut (#9) on the inside of the frame. Tighten them to 10Nm.

👁 **Note!**

If you are using an aftermarket front bumper, you might need to modify it to clear the reservoir. Or angle the reservoir position. But make sure the wheel does not hit the reservoir at full lock and fully flexed.

⚠ **Warning!**

Make sure that the hose is not touching the spring or other moving parts!

9

Install the wheels and steer lock to lock. Make sure the wheel doesn't hit the reservoir.

👁 **Note!**

Make sure that all bolts are tightened to the correct torque and that nothing fouls or restricts when the shock is being fully compressed and extended. Test this over the whole steering range from lock to lock.

10

Make sure that all removed parts are reinstalled in the same way as they were before the installation of the Öhlins shock absorber.

Fig 3



ADJUSTMENTS

⚠ Warning!

Before riding, always make sure that the basic settings made by Öhlins are according to the recommended Setup data. Read about adjustments and settings in the Öhlins Owner's Manual before you make any adjustments. Contact an Öhlins dealer if you have any questions about setting up.

SETUP DATA

Recommended setups

Paved roads/highway:		
Compression damping	10	clicks
Rebound damping	10	clicks

Gravel roads/ offroad:		
Compression damping	20	clicks
Rebound damping	30	clicks

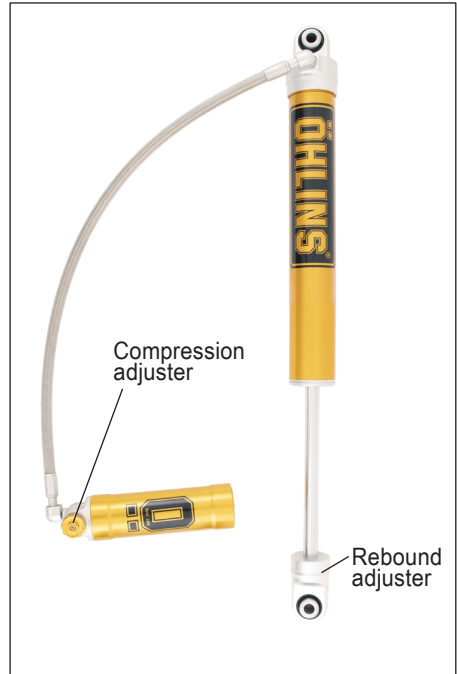
Recommended springs: 2-3" lift.

Required bump stop spacers: 1.5-2".

Depending on what spring brand you are using and how much weight you have added in terms of accessories (i.e steel bumper, winch) you might need to compensate with a spring spacer. At ride height, we recommend a minimum visible shaft length of 100 mm (approx 4").

⚠ Warning!

Use of the wrong bump stop spacers can cause damage to the shocks, to the vehicle, negative impact on comfort and in loss of shock performance.



Öhlins products are subject to continuous improvement and development, therefore, although these instructions include the most up-to-date information available at the time of printing, minor updates may occur.

To find the latest information contact an Öhlins distributor. Please contact Öhlins if you have any questions regarding the contents in this document.

Part no. MI_JEV MU10_front
Issued 2021-05-11

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Kit Contents			
	Description	Part No	Pcs
1	Shock absorber	JEV 6U10	2
2	Spacer ball joint, long	10410-09	2
3	Spacer ball joint, short	10410-08	2
4	Shaft shield	21840-02	2
5	Shaft shield adapter	10405-02	2
6	Circlip	01499-07	2
7	Screw, M8, 12mm	05404-12	6
8	Screw, M5, 16mm	01046-18	2

Shock absorber Kit for Jeep Wrangler JL – rear

JEV MU10

Mounting Instructions



MOUNTING INSTRUCTIONS

⚠ Warning!

If working on a raised vehicle, ensure that it is securely supported to prevent it from tipping over.

👁 Note!

When working on this product, see the Vehicle Service Manual for vehicle specific procedures and important data.

1

Lift the vehicle and support the axle. Remove the upper and lower shock bolts and remove the OEM shock absorbers.

👉 Caution!

Make sure the front axle does not drop and stretches the brake hoses.

2 - Spacer installation

Use a vise and carefully press both spacers in at the same time in the cylinder head. See Fig 1 for how the spacers should be installed.

3 - Dust shield installation

Install the shaft shield (#4) to the adapter (#5) with the 3pcs M8 screws (#7). Tighten to 10 Nm. See fig 2.

4

Slide the shaft shield assembly onto the end eye and pass the circlip groove. Install the circlip and push the shield assembly down against the circlip.

5

Install the M5 screw (#8) into the adapter but do not tighten it yet.

6

Install the shocks with the upper bolt first. Position the shocks so the long spacer is fitted towards the frame side and the shock is offset from the frame for better clearance. Tighten the upper bolt to OE spec.

7

Install the lower shock bolt and make sure the rebound adjuster is positioned towards the rear. Tighten the bolt to OE spec. See fig 3.

👁 Note!

You might need to use longer sway bar links or sway bar spacers to clear the shock body at full droop.

Fig 1



Fig 2



Fig 3



MOUNTING INSTRUCTIONS

8

Rotate the shaft shield towards the front. The purpose with this shield is to protect the shaft from debris sent from the front tires. Tighten the M5 screw to 5Nm. See fig 4.

👁 Note!

Make sure that all bolts are tightened to the correct torque and that nothing fouls or restricts movement of the shock when it is being fully compressed or extended.



ADJUSTMENTS

⚠ Warning!

Before driving, always make sure that the basic settings made by Öhlins are according to recommended setup data. Read about adjustments and settings the Öhlins Owner's Manual before you make any adjustments. Contact an Öhlins dealer if you have any questions about setting up.

SETUP DATA

Recommended setups

Paved roads/highway:		
Compression damping	10	clicks
Rebound damping	10	clicks
Gravel roads/ offroad:		
Compression damping	20	clicks
Rebound damping	30	clicks

Recommended springs: 2-3" lift.

Required bump stop spacers: 1.5-2".

Depending on what spring brand you are using and how much weight you have added in terms of accessories (i.e steel bumper, larger spare tire, roof rack) you might need to compensate with a spring spacer. At ride height, we recommend a minimum visible shaft length of 110 mm (approx 4.5").

⚠ Warning!

Use of the wrong bump stop spacers can cause damage to the shocks, to the vehicle, negative impact on comfort and in loss of shock performance.



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Shock absorber Kit for Jeep Wrangler JL, for 3.5-5" lift springs

JEV MU00

Mounting Instructions



👁 Note!

These shocks are designed to be used with 3.5-5" lift springs and 2.5-3" bump stop spacers. It is important that you use the recommended bump stop spacers. If you use less, you will bottom out the shock. If you use more, you will lose the PDS function.

👁 Note!

Since these shocks are designed to be used on a lifted Jeep Wrangler JL, you need to carefully check that everything clears and does not bind. Such as brake hoses, sway bar end links, drive shaft and so on.

👁 Note!

Depending on rim offset and tire width, wheel spacers may be needed to clear the shock components. This kit was developed on a 2019 Jeep Wrangler JL with 37x12.5 R17 tyres.

👁 Note!

Please note that this image is a general representation of the product and may differ slightly from your product.

👁 Note!

Please note that during storage and transportation, especially at high ambient temperature, some of the oil and grease used for assembling may leak and stain the packaging. This is in no way detrimental to the product, wipe off the excessive oil/grease with a cloth.

👁 Note!

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⚠ Warning!

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⚠ Warning!

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⚠ Warning!

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Kit Contents

	Description	Part No	Pcs
1	Shock absorber	JEV 5U00	2
2	Reservoir bracket	25654-09	2
3	Reservoir bracket, plastic	05378-20	2
4	Screw, M5, 16mm	01046-18	8
5	Screw, M5, 20mm	01046-55	4
6	M5 lock nut	00430-04	12
7	Screw, M8, 105mm	00429-32	2
8	Washer 8mm	00426-03	2
9	Flange nut M8	00139-03	2
10	Sticker ÖHLINS	11221-01	2
11	Sticker set	10207-01	1
12	Owners manual	07440-06	1

Shock absorber Kit for Jeep Wrangler JL – front

JEV MU00

Mounting Instructions

MOUNTING INSTRUCTIONS

⚠ Warning!

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👁 Note!

When working on this product, see the Vehicle Service Manual for vehicle specific procedures and important data.

1

Lift the vehicle so the axle is at full droop and support it. Unbolt the upper shock bolt and the lower shock bolt and remove the OEM shock absorbers.

👉 Caution!

Ensure the vehicle and axle are securely supported. Make sure the front axle does not drop and stretch the brake hoses.

2 - Shock installation

Install the Öhlins shock in the upper shock tower and make sure the hose-side of the cylinder head is fitted towards the tire side. See Fig 1.

3

Route the hose towards the front and make sure there are no sharp edges that could damage the hose.

4

Fit the lower shock bolt and make sure the rebound adjuster is facing the rear so you have access to the rebound adjuster. See fig 2.



MOUNTING INSTRUCTIONS

5 - Reservoir installation

Install the plastic reservoir clamp brackets (#3) to the reservoir bracket (#2) using the 4pcs 16 mm long M5 screws (#4) and M5 nuts (#6). See fig 3.

6

Insert the reservoir into the clamp brackets with the compression adjuster knob facing outwards. See fig 4.

7

Install the 20mm M5 screws (#5) and M5 lock nut (#6) into the clamp brackets and tighten them to 5Nm.

8

Install the reservoir assembly to the frame by using the long M8 screw (#7) through the hole in the reservoir bracket and through the frame. Install the M8 washer (#8) and the M8 flange nut (#9) on the inside of the frame. Tighten them to 10Nm.

👁 **Note!**

If you are using an aftermarket front bumper, you might need to modify it to clear the reservoir. Or angle the reservoir position. But make sure the wheel does not hit the reservoir at full lock and fully flexed.

⚠ **Warning!**

Make sure that the hose is not touching the spring or other moving parts!

9

Install the wheels and steer lock to lock. Make sure the wheel doesn't hit the reservoir.

👁 **Note!**

Make sure that all bolts are tightened to the correct torque and that nothing fouls or restricts when the shock is being fully compressed and extended. Test this over the whole steering range from lock to lock.

10

Make sure that all removed parts are reinstalled in the same way as they were before the installation of the Öhlins shock absorber.

Fig 3



ADJUSTMENTS

⚠ Warning!

Before riding, always make sure that the basic settings made by Öhlins are according to the recommended Setup data. Read about adjustments and settings in the Öhlins Owner's Manual before you make any adjustments. Contact an Öhlins dealer if you have any questions about setting up.

SETUP DATA

Recommended setups

Paved roads/highway:		
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Rebound damping	10	clicks

Gravel roads/ offroad:		
Compression damping	20	clicks
Rebound damping	30	clicks

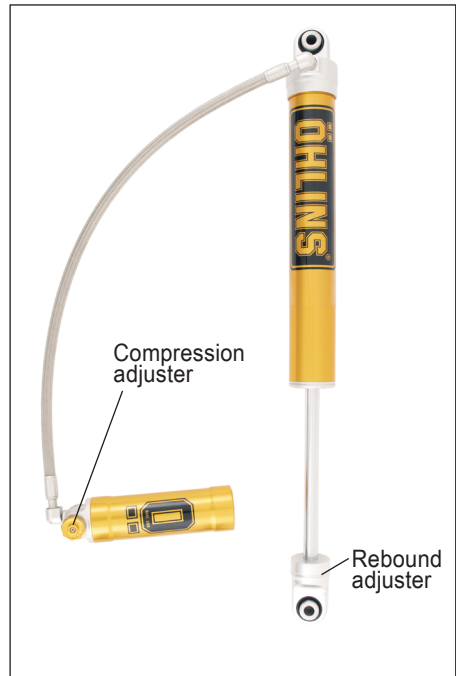
Recommended springs: 3.5-5" lift.

Required bump stop spacers: 2.5-3".

Depending on what spring brand you are using and how much weight you have added in terms of accessories (i.e steel bumper, winch) you might need to compensate with a spring spacer. At ride height, we recommend a minimum visible shaft length of 100 mm (approx 4").

⚠ Warning!

Use of the wrong bump stop spacers can cause damage to the shocks, to the vehicle, negative impact on comfort and in loss of shock performance.



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1	Shock absorber	JEV 6U00	2
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3	Spacer ball joint, short	10410-08	2
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5	Shaft shield adapter	10405-02	2
6	Circlip	01499-07	2
7	Screw, M8, 12mm	05404-12	6
8	Screw, M5, 16mm	01046-18	2

Shock absorber Kit for Jeep Wrangler JL – rear

JEV MU00

Mounting Instructions



MOUNTING INSTRUCTIONS

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👁 Note!

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1

Lift the vehicle and support the axle. Remove the upper and lower shock bolts and remove the OEM shock absorbers.

👉 Caution!

Make sure the front axle does not drop and stretches the brake hoses.

2 - Spacer installation

Use a vise and carefully press both spacers in at the same time in the cylinder head. See Fig 1 for how the spacers should be installed.

3 - Dust shield installation

Install the shaft shield (#4) to the adapter (#5) with the 3pcs M8 screws (#7). Tighten to 10 Nm. See fig 2.

4

Slide the shaft shield assembly onto the end eye and pass the circlip groove. Install the circlip and push the shield assembly down against the circlip.

5

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6

Install the shocks with the upper bolt first. Position the shocks so the long spacer is fitted towards the frame side and the shock is offset from the frame for better clearance. Tighten the upper bolt to OE spec.

7

Install the lower shock bolt and make sure the rebound adjuster is positioned towards the rear. Tighten the bolt to OE spec. See fig 3.

👁 Note!

You might need to use longer sway bar links or sway bar spacers to clear the shock body at full droop.

Fig 1



Fig 2



Fig 3



MOUNTING INSTRUCTIONS

8

Rotate the shaft shield towards the front. The purpose with this shield is to protect the shaft from debris sent from the front tires. Tighten the M5 screw to 5Nm. See fig 4.

Note!

Make sure that all bolts are tightened to the correct torque and that nothing fouls or restricts movement of the shock when it is being fully compressed or extended.



ADJUSTMENTS

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Rebound damping	30	clicks

Recommended springs: 3.5-5" lift.

Required bump stop spacers: 2.5-3".

Depending on what spring brand you are using and how much weight you have added in terms of accessories (i.e steel bumper, larger spare tire, roof rack) you might need to compensate with a spring spacer. At ride height, we recommend a minimum visible shaft length of 110 mm (approx 4.5").

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