

	Kit Contents		
	Description	**Part No**	**Pcs**
1.1	Shock absorber front, left	TES 1U00	1
1.2	Shock absorber front, right	TES 2U00	1
2	Dust boot	10216-02	2
3	Plastic spring spacer	25602-01	4
4	Spring	47010-35	2
5	Upper spring seat	25618-45	2
6	Bearing	25602-03	2
7	Lower spring seat	25618-13	2
8	Top pin spacer	24629-75	2
9	Bottom pin spacer	24629-76	2
10	Washer	24619-17	2
11	Thin rubber spacer (5 mm)	24630-11	2
12	M10 flange lock nut	24626-01	2
13	Adjustment knob	24631-04	2
	USED FOR BOTH FRONT AND REAR		
	C-spanner	24639-01	1
	C-spanner	24639-03	1
	Öhlins sticker kit	10207-01	1
	Öhlins owner manual		1

Note!

Please note that there can be small differences between your product and the images in these instructions.

Note!

Please note that during storage and transport, especially at high ambient temperature, some of the oil and grease used for assembly may leak and stain the packaging. This will not cause damage to the product, wipe off the excessive oil or grease with a cloth.

Note!

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

⚠ Warning!

Before you install this product, read the Öhlins Owner's manual. This product is an important part of the vehicle and the vehicle stability.

Note!

If the vehicle is equipped with OE electronic shock absorbers, use Öhlins cancellation kit. See products news for part number.

Shock Absorber Kit for Tesla Model 3 & Model Y

TES MA10S1 front

Mounting Instructions

ÖHLINS

MOUNTING INSTRUCTIONS

⚠ Warning!

We strongly recommend to let an Öhlins dealer install this product.

⚠ Warning!

If you work with a lifted vehicle, make sure that it is safely supported to prevent it from tipping over.

👁 Note!

When you work with this product, see the vehicle service manual for vehicle specific procedures and important data.

👁 Note!

Before you install this product clean the vehicle.

1

Raise the vehicle and put it on jack stands.

2

Remove the front wheels.

3

Loosen the bolt for the lower shock absorber attachment and the nut for anti roll bar link.

👁 Note!

Support the wheel hubs in an appropriate way on each side of the vehicle so that the brake hoses can not be damaged.

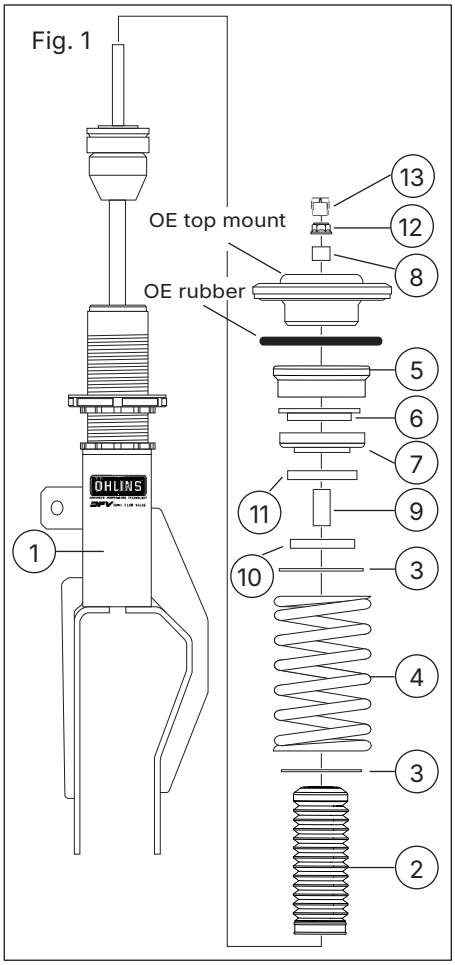
4

Loosen the upper control arm and upper attachments for the shock absorber and remove the shock absorber from the vehicle.

5

Install the dust boot (2), the plastic spring spacer (3), the spring (4), the second plastic spring spacer (3), the lower spring seat (7), the bearing (6), the upper spring seat (5), the washer (10), the bottom pin spacer (9), the thin rubber spacer (11), the OE rubber, the OE top mount, the top pin spacer (8) and the M10 flange lock nut (12) according to fig 1. Tighten the lock nut to 25 Nm and install the adjustment knob (13). Tighten the adjustment knob (13) to 10 Nm.

Fig. 1



👁 Note!

There should be 3 mm axial clearance between the rubber spacer and the OE top mount. If non-OE top mounts are used, make sure that the rubber spacers have sufficient clearance to operate as intended!

👁 Note!

Due to the large amount of preload on the spring, use a spring compressor when assembling the front spring.

👁 Note!

When tightening the top mount nut, the shock absorber shaft must be held in position with an Allen key.

MOUNTING INSTRUCTIONS

6

Position the spring preload adjuster and the lower fork bracket according to fig 2 and tighten to 40-50 Nm with the c-spanner.

7

Fasten the upper attachments to the vehicle body.

8

Raise the wheel hub with a jack to remove the freeplay of the lower bracket attachment and tighten the bolt to OE spec.

👁 Note!

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

👁 Note!

To be able to reach the adjustment knob when adjusting the front shock absorbers, the front trunk plastic needs to be removed along with the windshield washer reservoir tube on the left side.

9

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

ADJUSTMENTS

⚠ Warning!

Before you drive, always make sure that the setup is according to the recommended setup data. Read about adjustments and setting up 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

Rebound setting		
Track	2-7	clicks
Winding road	5-10	clicks
Street	10-20	clicks
Spring preload	2	mm

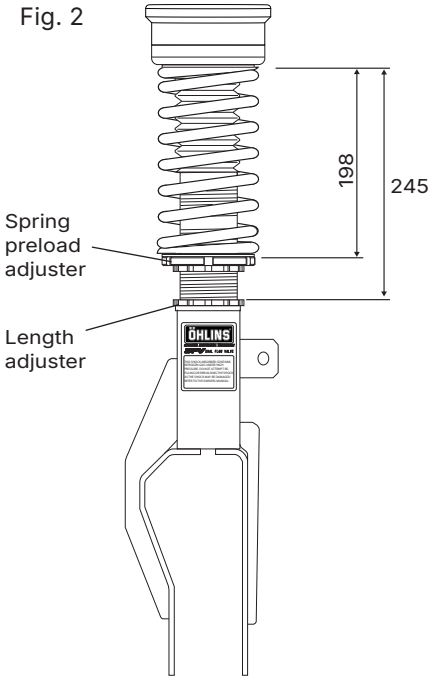
Recommended spring

47010-35 (110 N/mm)

The actual vehicle height

With the preload and length adjuster in their recommended position, the vehicle is lowered approximately -20 mm when compared to the original suspension. Depending on car model and equipment, the height may vary. Tesla with Performance package is lowered 10mm from factory and will therefore be lowered 10mm less. Adjust the height adjuster until you have reached your desired ride height. The recommended adjustment range on the height adjuster is 230-260 mm

Fig. 2



⚠ Warning!

The spring preload adjuster position adjustment range is 0-2 mm, do not preload the spring more or it will coilbind. Make sure the spring is always preloaded.

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.

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Öhlins Group AB
Box 722
S-194 27 Upplands Väsby, Sweden
Phone +46 8 590 025 00
fax +46 8 590 025 80

ÖHLINS



	Kit Contents		
	Description	**Part No**	**Pcs**
1	Shock absorber rear	TES 6U01	2
2	End eye spacer	24629-61	4
3	Dust boot	10216-03	2
4	Tie-rap	00231-02	4
5	M10 flange lock nut	24626-01	2
6	Spring preload adjuster	24651-13	2
7	Lock ring	24636-03	2
8	Spring platform	24635-03	2
9	Plastic spring spacer	25602-01	2
10	Spring	47040-23	2
11	Thin rubber spacer (5 mm)	24630-11	2
12	Thick rubber spacer (17 mm)	24630-12	2

Note!

Please note that there can be small differences between your product and the images in these instructions.

Note!

Please note that during storage and transport, especially at high ambient temperature, some of the oil and grease used for assembly may leak and stain the packaging. This will not cause damage to the product, wipe off the excessive oil or grease with a cloth.

Note!

If the vehicle is equipped with OE electronic shock absorbers, use Öhlins cancellation kit. See product news for part number.

Note!

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

⚠ Warning!

Before you install this product, read the Öhlins Owner's manual. This product is an important part of the vehicle and the vehicle stability.

Shock Absorber Kit for Tesla Model 3 & Model Y

TES MA10S1 rear

Mounting Instructions

ÖHLINS

MOUNTING INSTRUCTIONS

⚠ Warning!

We strongly recommend to let an Öhlins dealer install this product.

⚠ Warning!

If you work with a lifted vehicle, make sure that it is safely supported to prevent it from tipping over.

👁 Note!

When you work with this product, see the vehicle service manual for vehicle specific procedures and important data.

👁 Note!

Before you install this product clean the vehicle.

1
Raise the vehicle and put it on jack stands.

2
Remove the rear wheels.

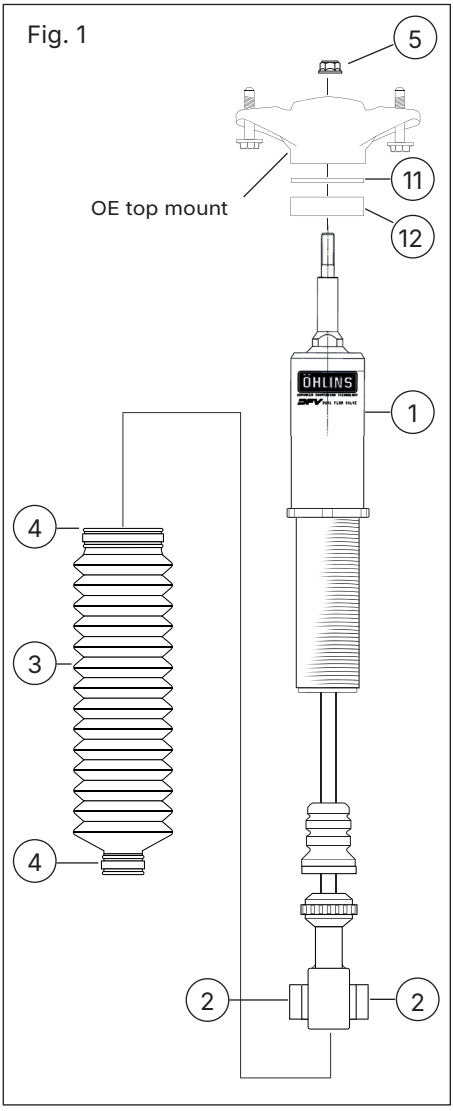
3
Remove the lower and the upper attachments
and remove the original shock absorbers.

4
Remove the spring.

5
Mount the lock ring (7), spring platform (8) plastic spring spacer (9) on the spring preload adjuster (6) according to fig 2. Adjust the spring platform on the spring preload adjuster according to fig 3. Tighten the lock ring
with the c-spanners.

6
Install the spring preload adjuster assembly on the control arm, the spring (10), use the OE rubber spring seat between the body and spring according to fig 2.

Fig. 1



MOUNTING INSTRUCTIONS

7

Mount the dust boot (3) with the tie-rap (4) on the Öhlins shock absorber (1) according to fig 1 and install the thick rubber spacer (11), the thin rubber spacer (12), the OE top mount and the M10 flange lock nut (5). Tighten the nut to 35 Nm.

Note!

There should be 3 mm axial clearance between the rubber spacers and the OE top mount. If non-OE top mounts are used, make sure that the rubber spacers have sufficient clearance to operate as intended!

8

Install the Öhlins shock absorber on the vehicle and tighten the top mount bolts and lower bolt to OE spec.

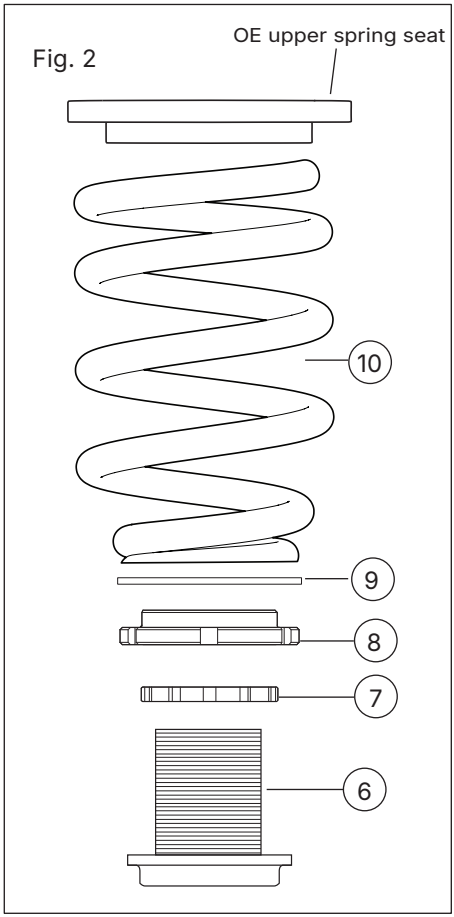
Note!

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

9

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

Fig. 2



ADJUSTMENTS

⚠ Warning!

Before you ride/drive, always make sure that the setup is according to the recommended setup data. Read about adjustments and setting up 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

Rebound setting		
Track	2-7	clicks
Winding road	5-10	clicks
Street	10-20	clicks
Model 3 spring preload adjuster height (X)	25	mm
Model Y spring preload adjuster height (X)	20	mm

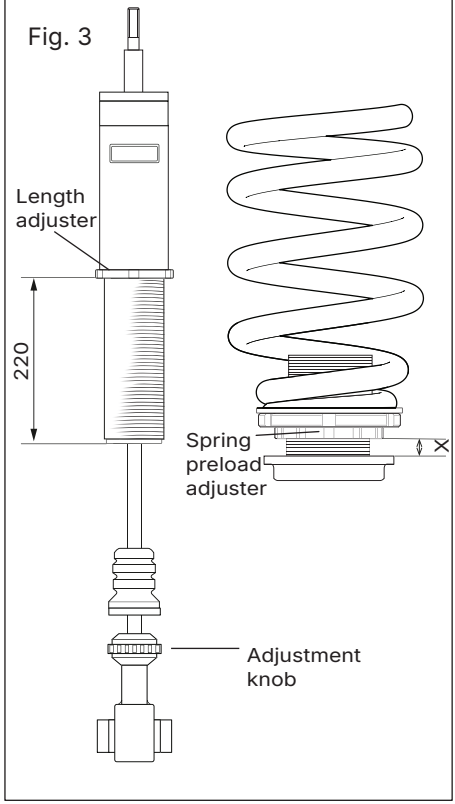
Recommended spring

47040-23 (120 N/mm)

The actual vehicle height

With the spring preload adjuster in their recommended position, the vehicle is lowered approximately -20 mm when compared to the original suspension. Depending on car model and equipment, the height may vary. Tesla with Performance package is lowered 10 mm from factory and will therefore be lowered 10 mm less. Adjust the spring preload until you have reached your desired height. Make sure that the spring is always preloaded.

Fig. 3



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.

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Öhlins Group AB
Box 722
S-194 27 Upplands Väsby, Sweden
Phone +46 8 590 025 00
fax +46 8 590 025 80