

# RMK® LIGHTWEIGHT IFS SPRING KIT



P/N 2883682-458

## APPLICATION

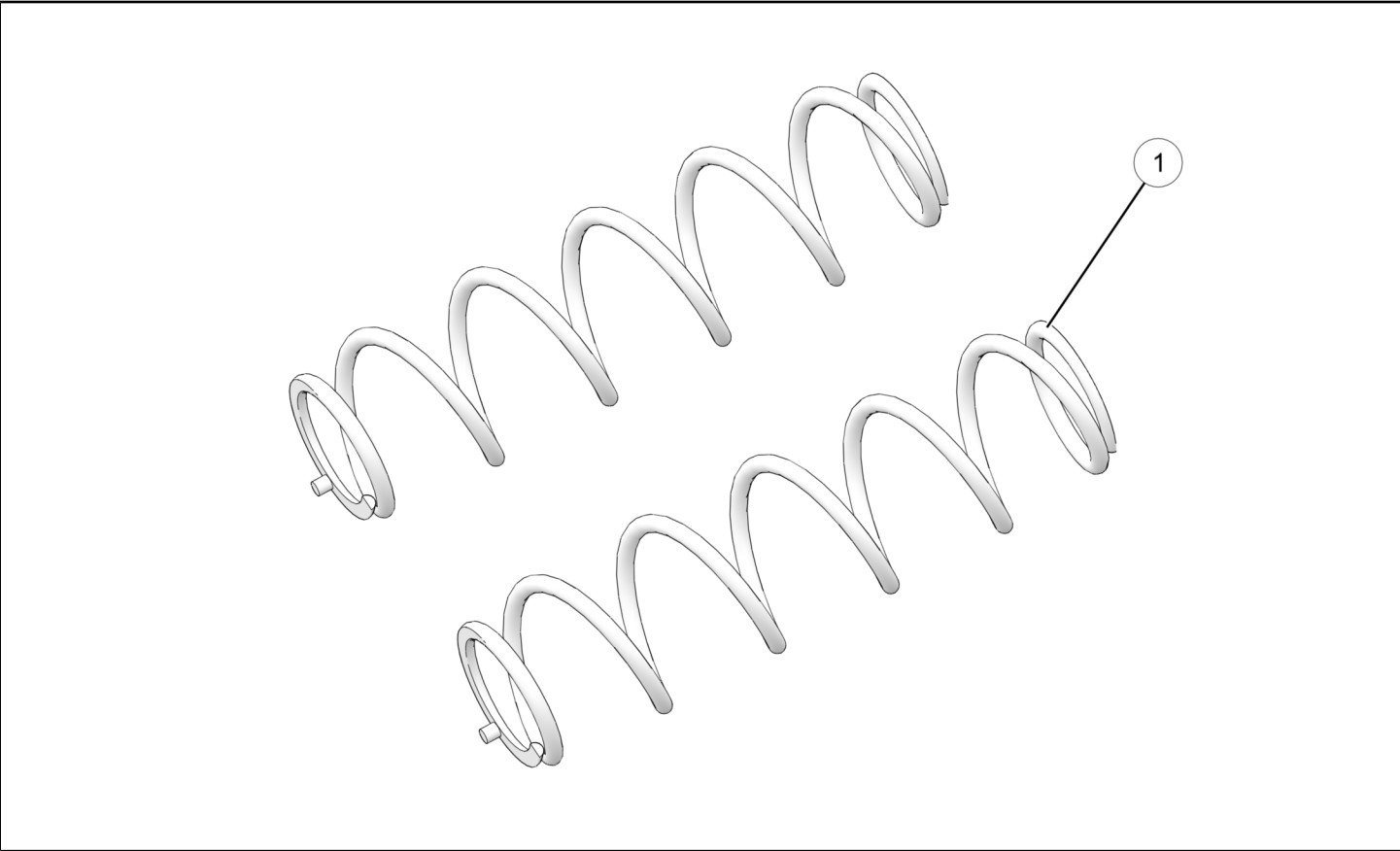
Verify accessory fitment at [Polaris.com](http://Polaris.com).

## BEFORE YOU BEGIN

Read these instructions and check to be sure all parts and tools are accounted for. Please retain these installation instructions for future reference and parts ordering information.

## KIT CONTENTS

This Kit includes:



REF	QTY	PART DESCRIPTION	PART NUMBER
1	2	Spring - IFS	7045183
	1	Instructions	9928854

## TOOLS REQUIRED

None

- Safety Glasses
- Socket Set, Metric
- Wrench Set, Metric
- Torque Wrench
- Vehicle Lift/Support Equipment
- Vice, Bench
- **Special Service Tool:**  
XXX PN XXX

## CONSUMABLES REQUIRED

- None

## IMPORTANT

Your RMK® Lightweight IFS Spring Kit is exclusively designed for your vehicle. Please read the installation instructions thoroughly before beginning. Installation is easier if the vehicle is clean and free of debris. For your safety, and to ensure a satisfactory installation, perform all installation steps correctly in the sequence shown.

## ASSEMBLY TIME

Approximately 30 minutes

### NOTE

Additional time may be required for optional steps, or to accommodate other installed accessories.

## INSTALLATION INSTRUCTIONS

### 1. Raise Front of Vehicle.

#### ⚠ WARNING

DO NOT USE JACK TO STABILIZE OR SUPPORT VEHICLE. **Blocks or jack stands must be used to support vehicle** after lifting.

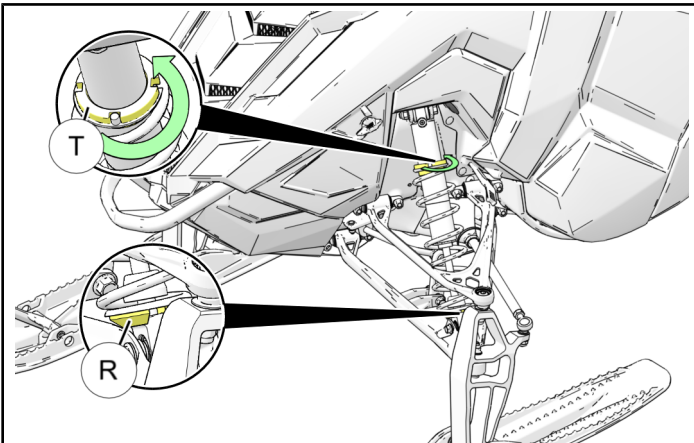
Failure to properly support vehicle may allow vehicle to fall, resulting in severe injury or death.

Never place any part of your body under lifted vehicle without properly supporting vehicle.

- Using an appropriate lifting device, raise the front of the vehicle so both skis are suspended above the work surface and no longer have any external weight/pressure applied to them.

### 2. Reduce Spring Preload.

- Using the spanner wrench tool supplied with your vehicle, turn the threaded spring retainer ① on the shock body in a counter-clockwise direction to reduce the amount of preload on the IFS springs. Do so just enough to allow the spring retainer ② on the shock rod to be free of any tension from the spring. **DO NOT** remove at this time.



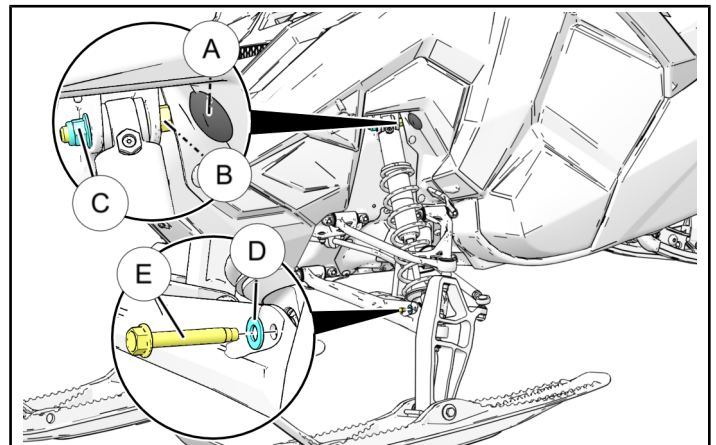
### 3. Remove Front Shock Assembly.

- Remove lower shock mounting bolt ⑤ and flat washer ④.

#### CAUTION

When removing shock bolt, the weight of the IFS assembly may cause the outer portion of the IFS assembly to rapidly move in a downward direction. **Avoid any potential pinch areas** to prevent personal injury. It is recommended to lightly support the assembly with the proper support equipment before removing mounting hardware to minimize the movement of the assembly and avoid personal injury or damage to components.

- Remove rubber plug ③ from fender.

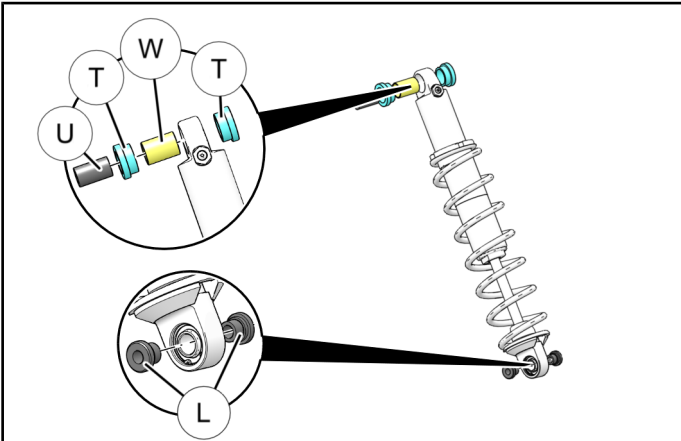


- Remove locking nut ⑥ and upper shock mounting bolt ⑧.

d. Repeat steps 2a-2c for opposite side.

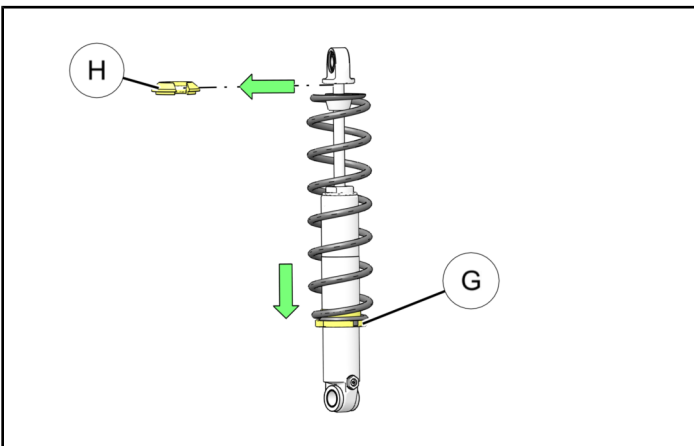
#### NOTE

When removing the shock bolt be sure to retain both the shock body spacers **U**/**T**/**W** and shock rod spacers **L** for reinstallation.

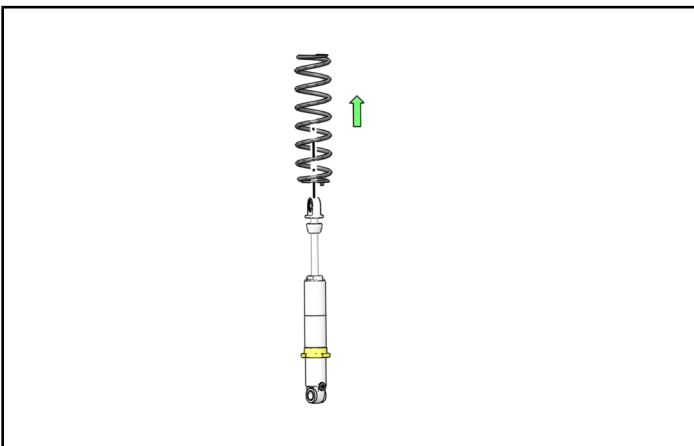


#### 4. Remove Spring.

- a. Loosen threaded spring retainer **G** enough to allow spring retainer cap **H** to be removed.



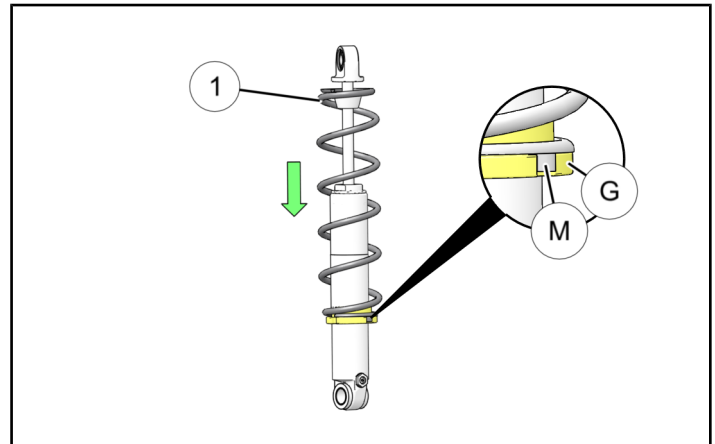
- b. Remove spring.



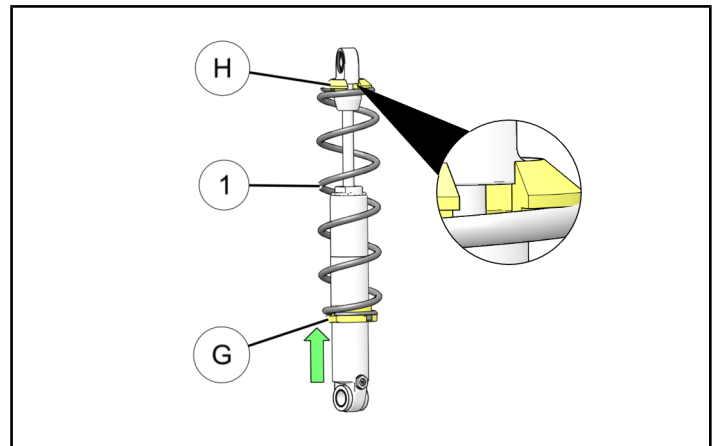
- c. Repeat step 3a for opposite shock.

#### 5. Install New Spring.

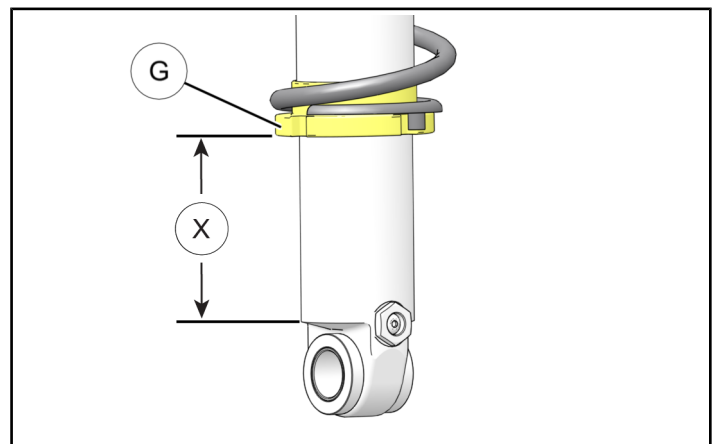
- a. Place new lightweight spring onto the shock so the spring tab **M** is located in the slot on the threaded spring retainer **G**.



- b. Install spring retainer **H** on top of the spring and tighten the threaded spring retainer **G** until the upper spring retainer is fully seated onto the shock rod end cap being sure to not compress the spring as shown. This will be considered the “zero” preload point.

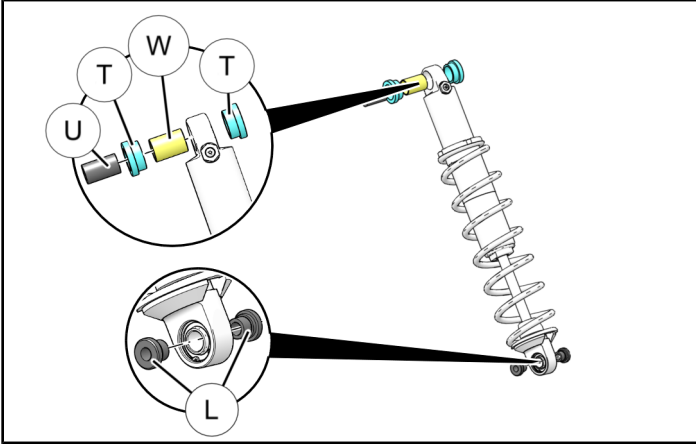


- c. Measure the distance **X** from the bottom of the of the shock body to the threaded spring retainer as shown.



## 6. Reinstall Shock Assembly.

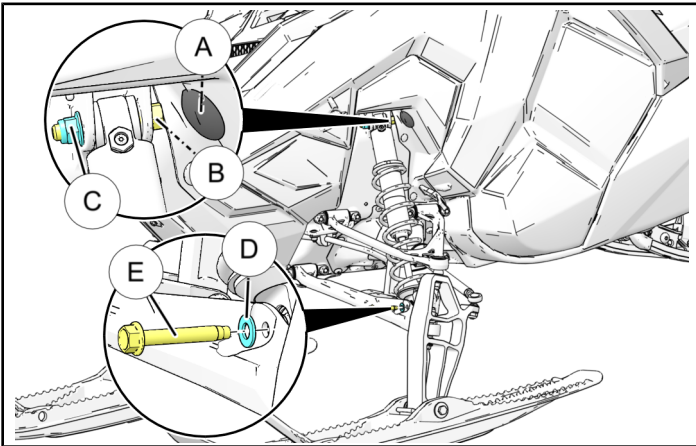
- Reinstall upper and lower shock spacers as shown.



- Place shock into its original position and install upper mounting hardware ② and ③. Torque to specification provided.

### TORQUE

24 ft. lbs. (32.5 Nm)



Reinstall rubber fender plug ① after torquing upper mounting fasteners.

- Line up lower shock mount with mounting holes in lower a-arm assembly and install lower shock mounting hardware ④ and ⑤ as shown. Torque to specification provided.

### TORQUE

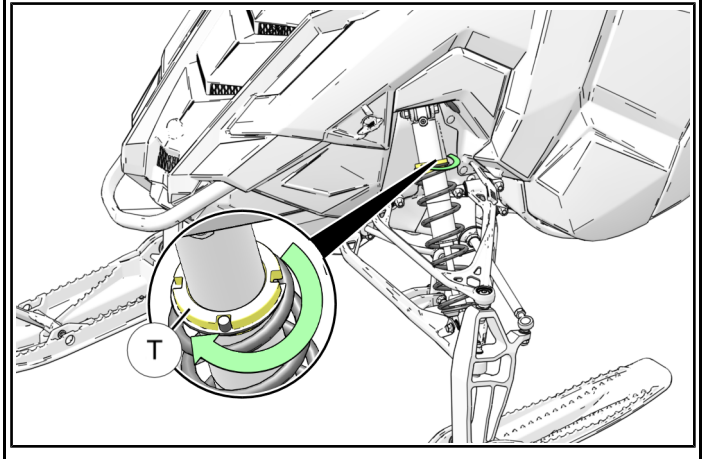
24 ft. lbs. (32.5 Nm)

## 7. Set Preload.

- With front end of vehicle still raised to ensure there is no external pressure on the IFS, double check the measurement taken in step 5c.
- Next, use the spanner wrench supplied with your vehicle to adjust the spring preload by turning the threaded spring retainer in a clockwise direction to achieve the recommended minimum setting of 1/4" (6 mm). Confirm setting by again checking the measurement taken in step 5c and subtracting it from the current setting. Do this until the minimum recommended setting is achieved.

### NOTE

Refer to your owners manual for specific information regarding suspension setting tips and tuning for the perfect ride.



## 8. Verify Work.

- Check to make sure all tools are accounted for and all necessary steps have been completed.

## FEEDBACK FORM

A feedback form has been created for the installer to provide any comments, questions or concerns about the installation instructions. The form is viewable on mobile devices by scanning the QR code or by clicking [HERE](#) if viewing on a PC.

### FEEDBACK FORM

