

# Misting vs Leaking

MISTING SHOCKS ARE OFTEN **MISDIAGNOSED** AS FAILURES

## WHAT IS MISTING

Misting is a small amount of shock fluid, that clings to the shaft and is pulled past the oil seal on the extension stroke. On compression some of the fluid is wiped off by the oil seal and left on the outside of the shock absorber.

**THE PRESENCE OF A SLIGHT FILM OF OIL IS INTENTIONAL**

It is designed to help lubricate the piston rod and seal for extended service life.

**IF THE OIL SEAL PROVIDED THE PERFECT SEAL THE INCREASED FRICTION WOULD CAUSE THE SEAL TO MELT.**



**MISTING**  
LIGHT DIRT ACCUMULATION



**OK**



**MISTING**  
MILD DIRT ACCUMULATION



**OK**



**MISTING**  
HEAVY DIRT ACCUMULATION



**OK**



**LEAKING**  
WITH ASSOCIATED MISTING



**WARRANTY CLAIM**

## WHAT IS LEAKING

**WET LINES OF OIL ARE VISIBLE**

An indication of a failed shock absorber is a thick wet layer of contaminant on the body of the shock or oil streaming off the body of the shock absorber over the lower mount.

See over leaf for more information >

# Misting vs Leaking

## WHAT TO DO

### **IF THE SHOCK ABSORBER HAS BEEN REMOVED**

Request customer lay shock horizontal on a piece of cardboard for 48hrs.

### **IF OIL POOLS UNDER SHOCK**

valid warranty

**IF NO OIL POOLS**, probably misting shock. Clean shock and re-fit to vehicle and run for 48hrs, then re-inspect.



### **IF THE SHOCK ABSORBER IS STILL ON VEHICLE**

Clean shock down and run vehicle for 48hrs

### **IF OIL STREAMS ARE EVIDENT OR IF OIL IS DRIPPING OFF THE LOWER MOUNT AFTER A 48 HR PERIOD**

valid warranty

**IF NO OIL STREAMS ARE PRESENT** shock absorber is deemed to be functioning normally.



## **REQUEST PHOTOS AT EVERY OPPORTUNITY.**

For any further questions contact Powerdown Australia or RAW 4x4

☎ +61 2 4949 0000    @ sales@powerdown.com.au

**POWERDOWN**

www.powerdown.com.au  
/PowerdownAustralia

**RAW**  
4x4

www.raw4x4.com.au  
/RAW4x4Australia