

# ***'O'-Ring Chain Maintenance***

## **Using 3M Aerosols**

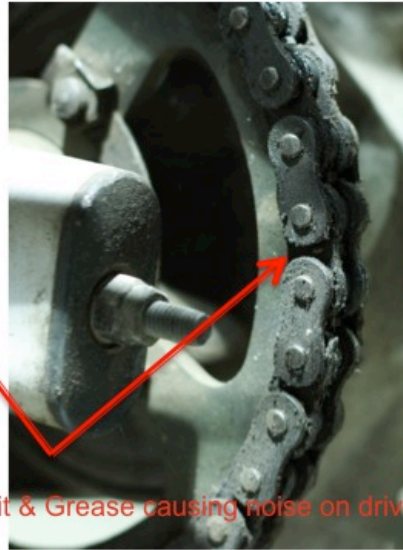
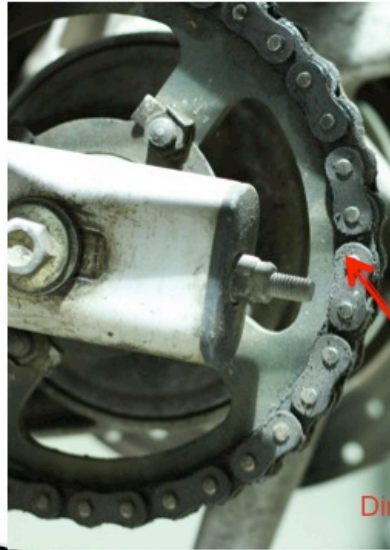


### **O Ring chains**

- ▶ They preserve the lubricant from between the rollers & pins.
- ▶ They need to be cleaned & lubricated externally only & not internally
- ▶ O-rings tend to react to fuels like diesel, kerosene, petrol etc which make them loose their shape & size
- ▶ O-ring react to water too making them dry



## Issues with Chain



Dirt Grit & Grease causing noise on drive



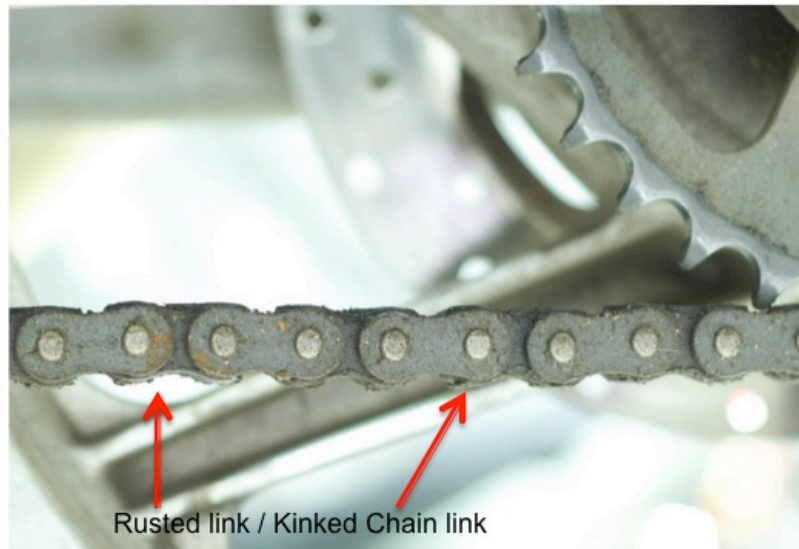
## Issues with Chain



Lumps Around Sprockets



# Issues with Chain



## Solution



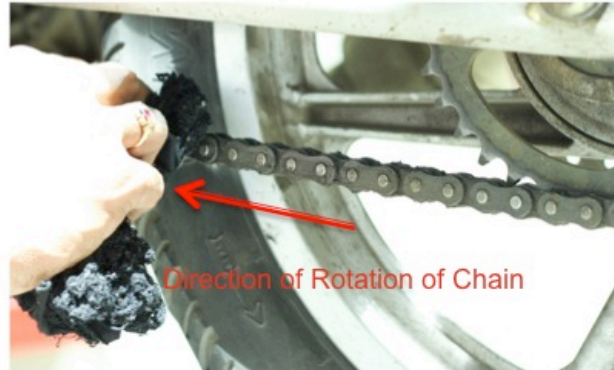
3M 4 way Lubricant for cleaning the Chain

3M Wet Sprayable grease for Lubricating the chain



# Cleaning

Wipe all internal dirt & grit of the chain the with old cloth / Lint



# Cleaning

Wipe the dirt out from the Outer surface of the chain





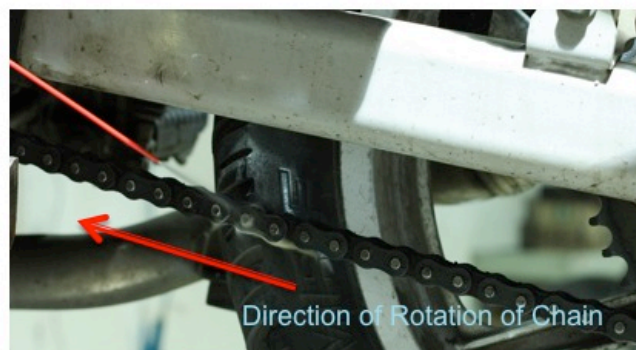
# Cleaning

Use 3M 4 way  
lubricant spray to  
clean the chain



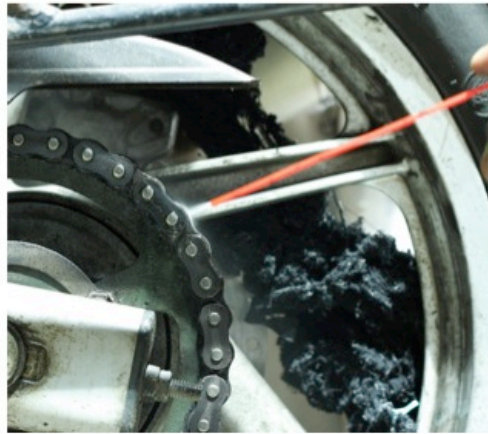
# Cleaning

Spray the  
inner part of  
the chain



# Cleaning

Spray the outer part of the chain



# Cleaning

Clean the dirt / Old  
grease from  
Sprockets



# Cleaning

Allow the 4Way spray to soak & drip for 10 minutes



# Cleaning

Scrub (if required) in circular motion with a tooth brush or any plastic bristle brush



# Cleaning

Wipe the dirt out with  
old cloth / Cotton waste



# Lubrication

Apply 3M Wet-  
Sprayable Grease





# Lubrication

On the Outside of the Chain



# Lubrication

Inside of the Chain  
& allow 10 minutes  
for the lubricant to  
settle in & dry to  
form a Film



## 4 Way Lubricant does not react or Damages most paints



Cleaned  
by wiping  
after  
Spraying



## Use to clean & lubricate any joint



## Key holes



## Levers & squeaking Rubbers



## Advantages

4 Way Spray	Wet Sprayable Grease
Cleans	High flow ability
Penetrates	Penetrates
Dispenses moisture / Water (helpful in rainy Season)	Lubricates & Prevents Rusting
Lubricates	Forms a film
Displaces rusts	Low propensity to attract road dust
Adds much needed silicon to O rings	Lowered Cleaning requirement
Frees most chain kinks*	Does not react with O rings & most painted surfaces
	Lowered Fling off

[illegible]

## For Supplies of 3M Bike Care Products in Karnataka



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