

# MOTOR VEHICLE SAFETY INSPECTION PROGRAM



## INSPECTION STATION

Inspection required  
within **12** months of last  
inspection month

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THE LARGE NUMBERS  
ON THE STICKER INDICATES  
THE DATE OF EXPIRATION

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Virginia registered  
motor vehicles, trailers,  
and semi-trailers must be  
inspected annually

INSPECT EARLY – AVOID DELAYS

### INSPECTION FAILURE RATE DURING CY2018

There were 8,209,716 vehicles submitted for a safety inspection in 2018. Of these vehicles, 1,634,740 failed inspection due to the discovery of a critical safety defect(s) - **a failure rate of 20%**.

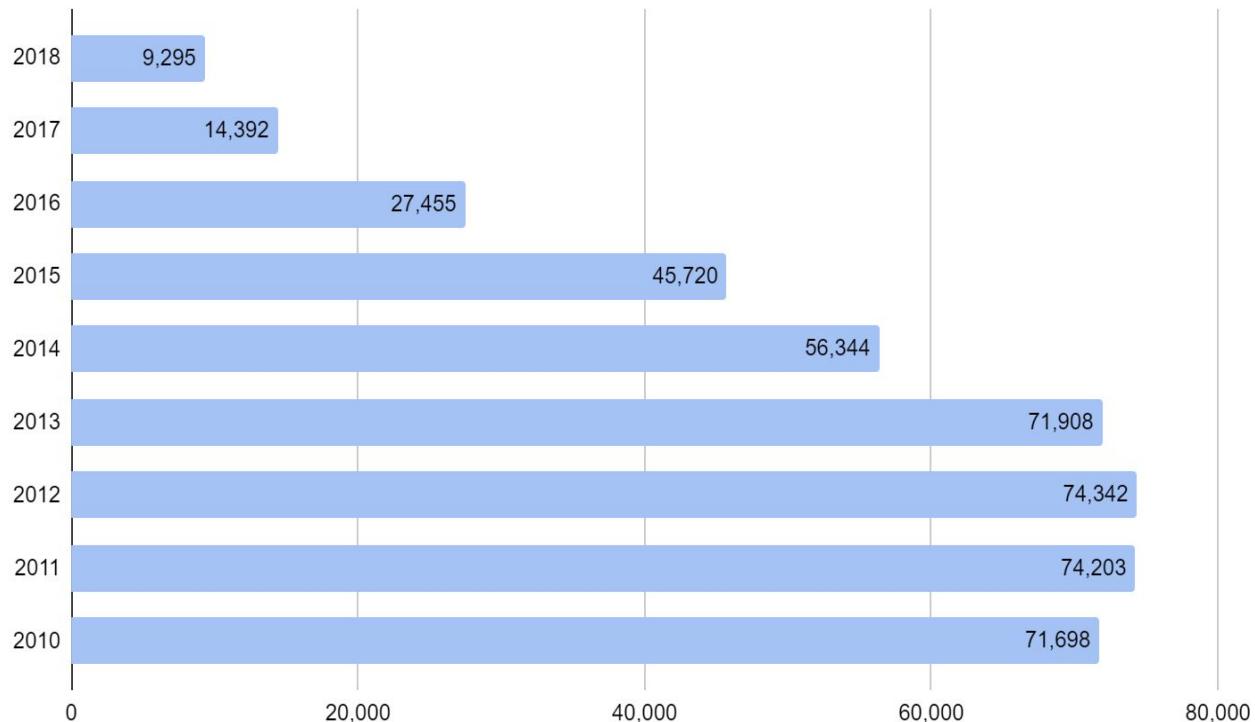
Had these vehicles not undergone a safety inspection, the vehicles would have remained in operation, jeopardizing the safety of its occupants and all motorists sharing the roadways of the Commonwealth with them.

**Vehicles are getting older. In 2018, the average vehicle age was 11.8 years.**

Of those vehicles manufactured between 2018 and 2010, **1 out of every 9 vehicles failed the safety inspection due to a critical safety defect(s)** (445,357 vehicles) - **an 11% failure rate**.

Of those vehicles manufactured during 2009 or earlier, **1 out of every 3.5 vehicles failed the safety inspection due to a critical safety defect(s)** (1,189,383 vehicles) - **a 29% failure rate**.

## CY 2018 Inspection Failures by Model Year (2010 - 2018)



### VEHICLE COMPONENT FAILURE

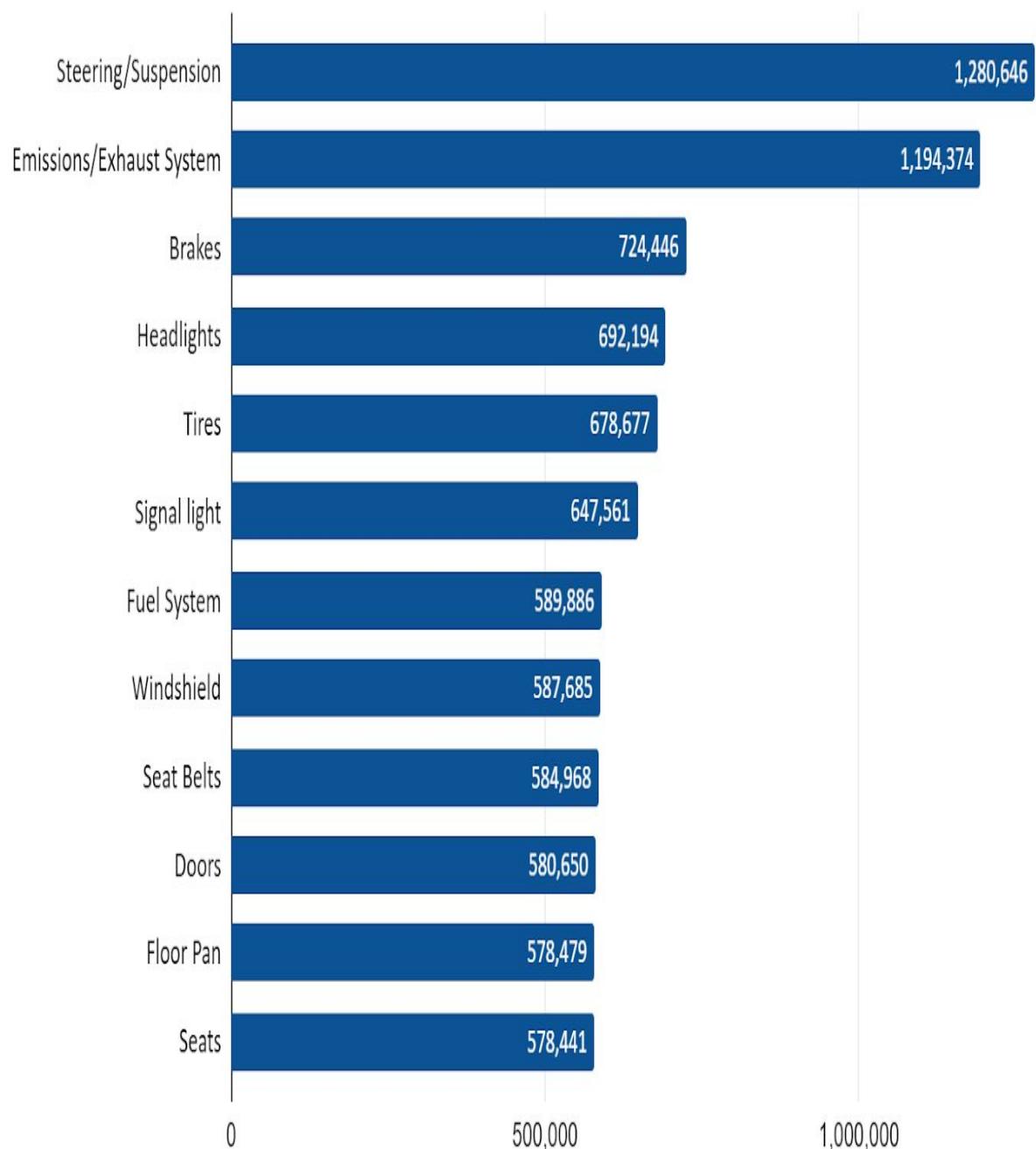
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The National Highway Transportation Safety Administration (NHTSA) estimates 35% of all motor vehicle crashes related to component failure are tire/wheel related and 22% are brake related.

Contributing factors to component failure are driver behavior, environmental influences, and miles driven. Vehicle owners drive an average of 15,500 miles annually; however, many vehicles reach 30,000 - 70,000 miles annually based on its use or intended purpose (e.g., taxi, buses, delivery driver, traveling sales, police/ambulance, commercial motor vehicle, etc.).

In fact, a major car rental company operating in Virginia claims its vehicle fleet averages 28,000 miles per year. This same company sells most of its fleet vehicles at 12.2 months as they find it is no longer cost effective to maintain the vehicles beyond that age due to costly repairs and maintenance.

## CY 2018 Component Failures

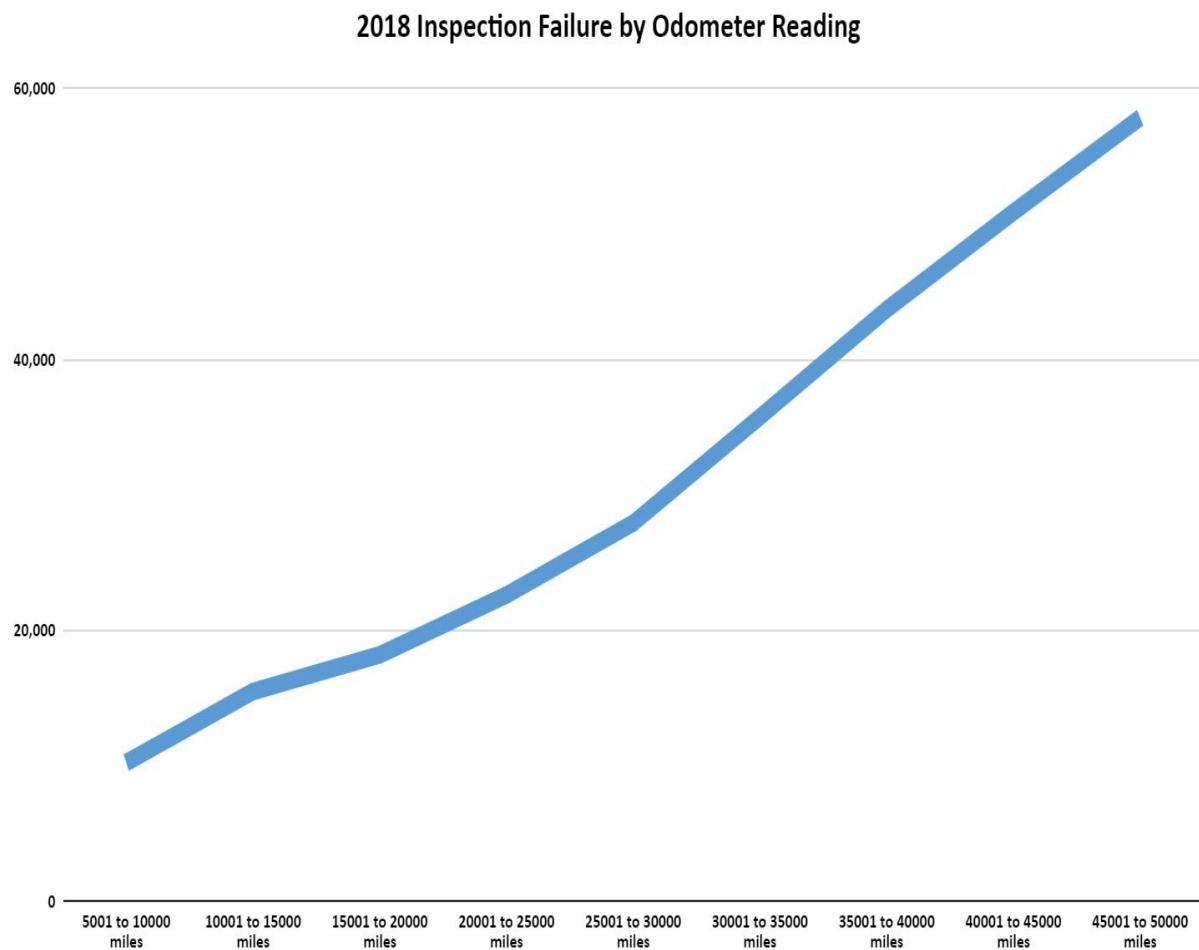


\*Not all Inspected Components Represented

## INSPECTION FAILURE RATE BY ODOMETER READING

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**Safety component failures increases steadily after 15,000 miles**



**Virginia Code section 46.2-1158.01 currently affords a 12-month exemption to safety inspection requirements to new vehicles.**

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## PROGRAM PARTICIPANTS

There are currently 5,433 inspections stations, with 26 additional in the application process, participating in the safety inspection program

There are currently 15,566 certified inspectors, with 1,382 additional in the application process, participating in the safety inspection program.