

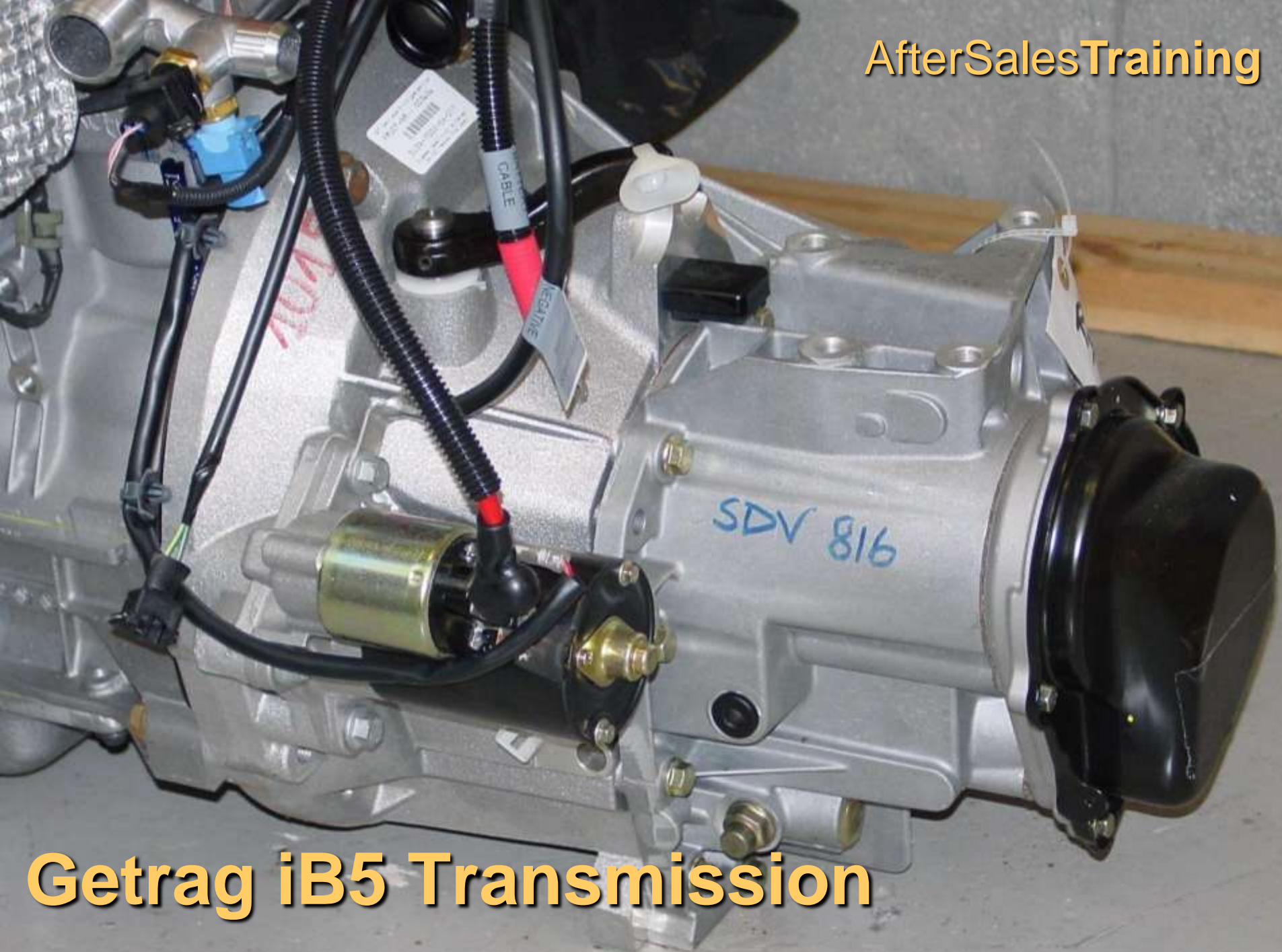
**Getrag**

**iB5**

**Transmission**



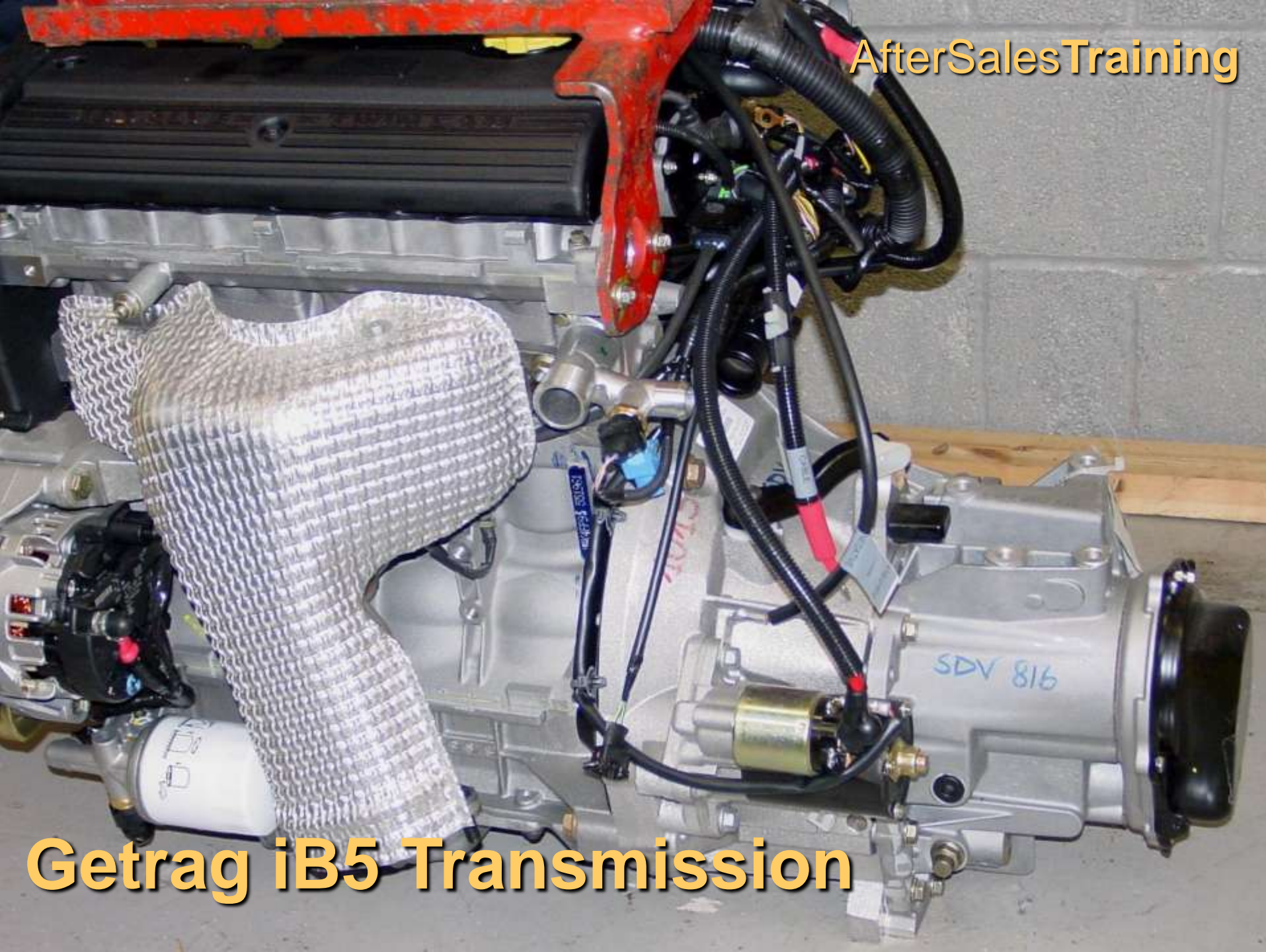
AfterSalesTraining



Getrag iB5 Transmission



AfterSalesTraining



Getrag iB5 Transmission



AfterSalesTraining



Getrag iB5  
Transmission

# Getrag iB5 Transmission

- Due to be implemented in Quarter 2 2003
- Warranty “Black Box” for 3 years or 60,000 miles.
- Fitted to:
  - Rover 25
  - MG ZR
  - Rover 45



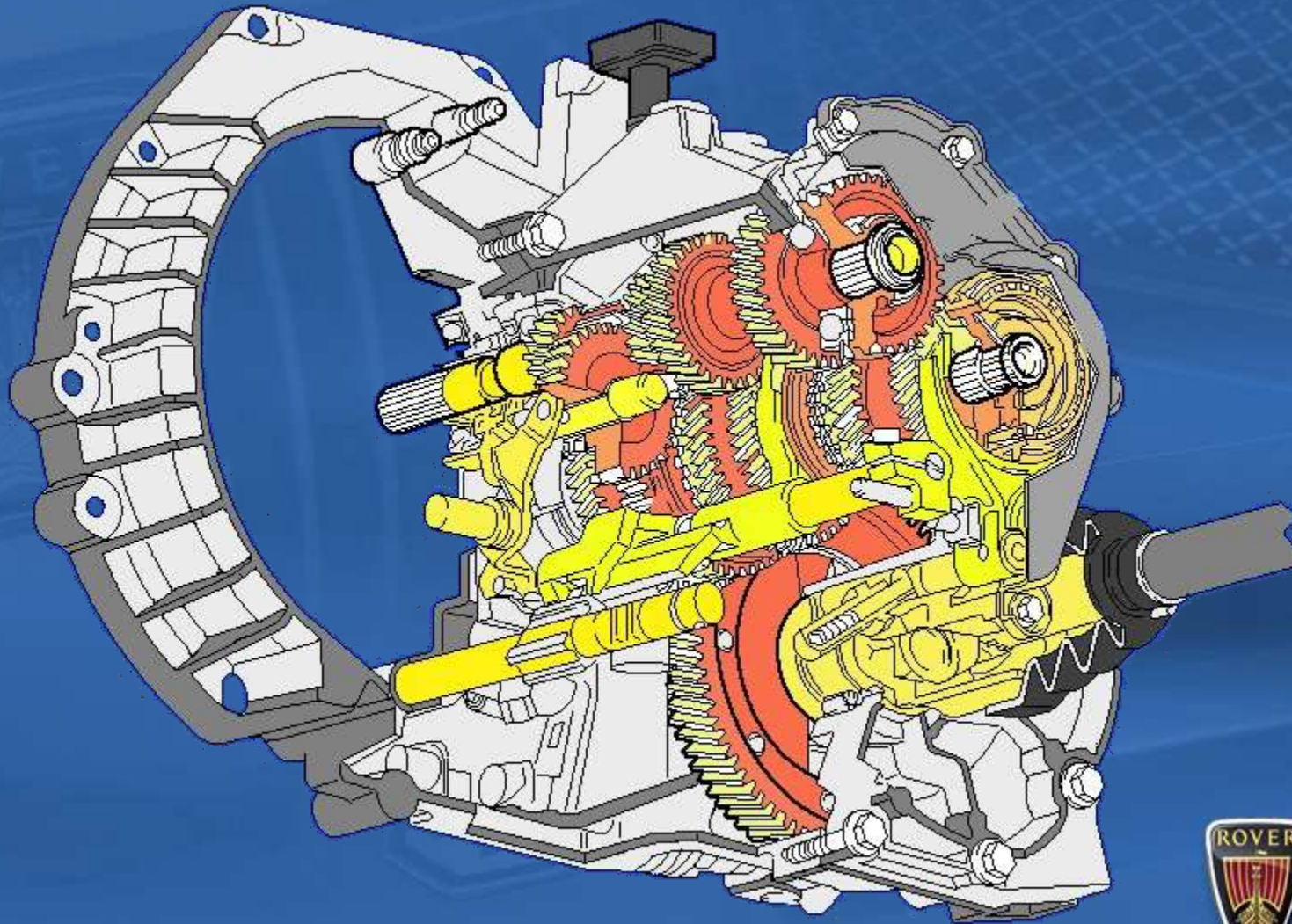
# Getrag iB5 Transmission

- The new Transmission will be fitted to the following models using the “K Series” engine:
- Rover 25 1.1
- Rover 25 1.4
- MG ZR 105
- Rover 25 1.6
- Rover 45 1.4
- Rover 45 1.6





# Getrag iB5 Transmission



# Getrag iB5 Transmission

## Transmission History

- Derived from the original Ford B4 transmission
- Improved to B5 5-speed transmission in 1982
- Further enhanced to iB5 in 1996
- **iB5 – i = improved**
- Currently marketed by Getrag/Ford transmissions





# Getrag iB5 Transmission

## Transmission Overview

- “Two Shaft” transmission c/w differential
- All gear wheels sit on the output shaft
- All gear wheels except for reverse gear are constantly in mesh
- All forward gears are synchronised



# Getrag iB5 Transmission

## Transmission Overview

- Transmission torque capability 165 Nm
- 1st and 2nd gears are double synchronised
- The iB5 transmission is filled for life with 75W90 synthetic transmission fluid

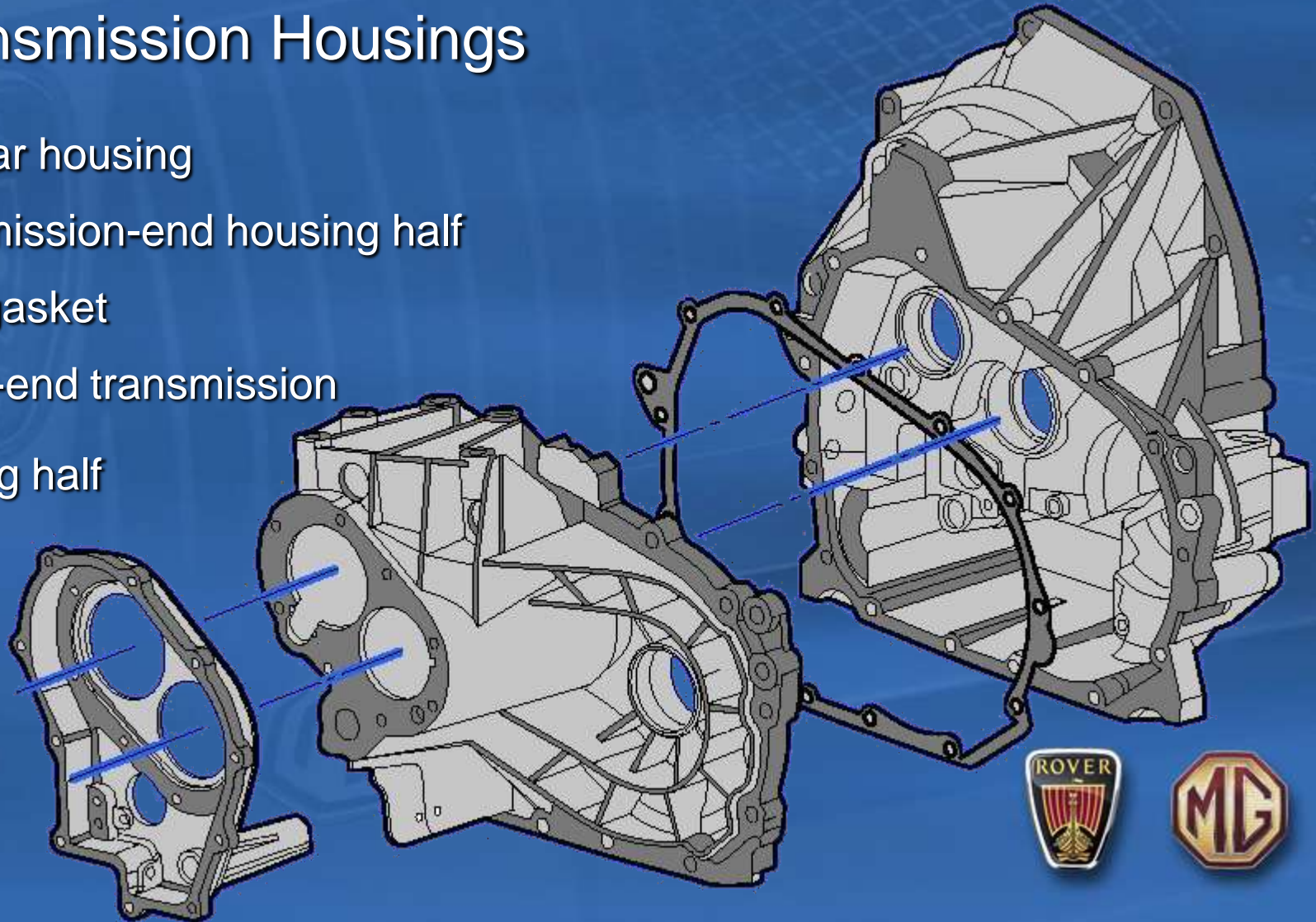




# Getrag iB5 Transmission

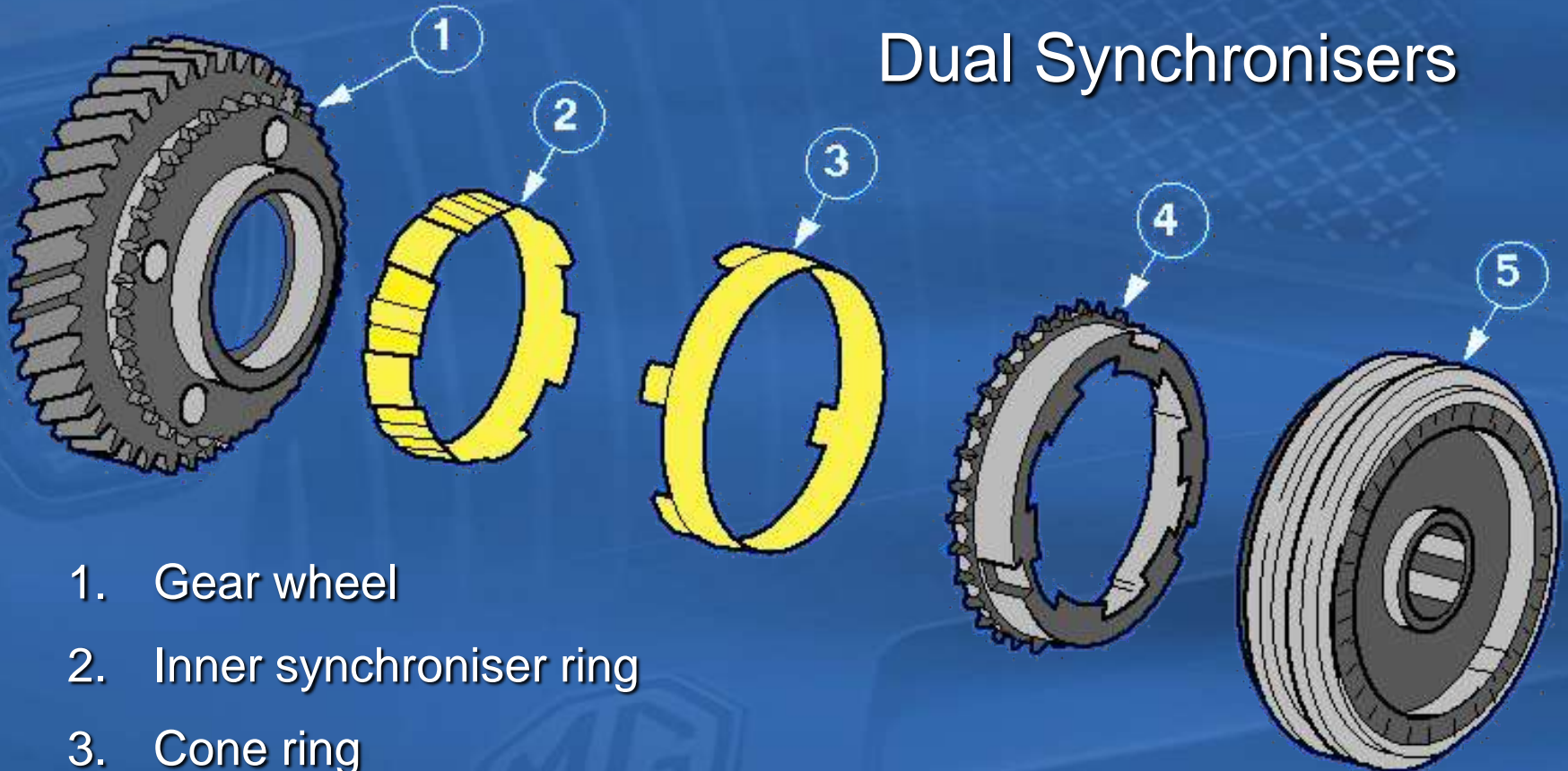
## Transmission Housings

1. 5th gear housing
2. Transmission-end housing half
3. Steel gasket
4. Clutch-end transmission housing half



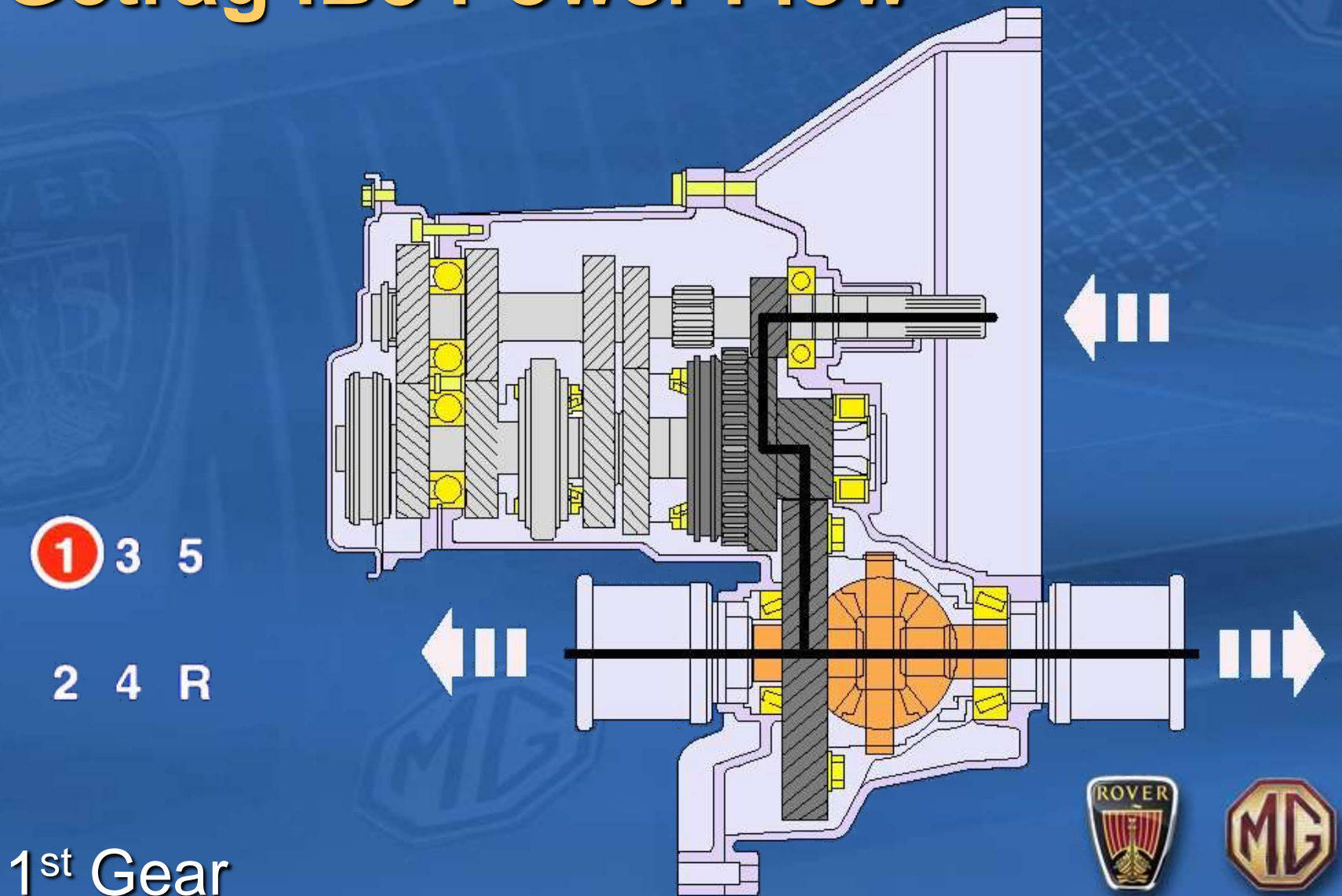
# Getrag iB5 Transmission

## Dual Synchronisers

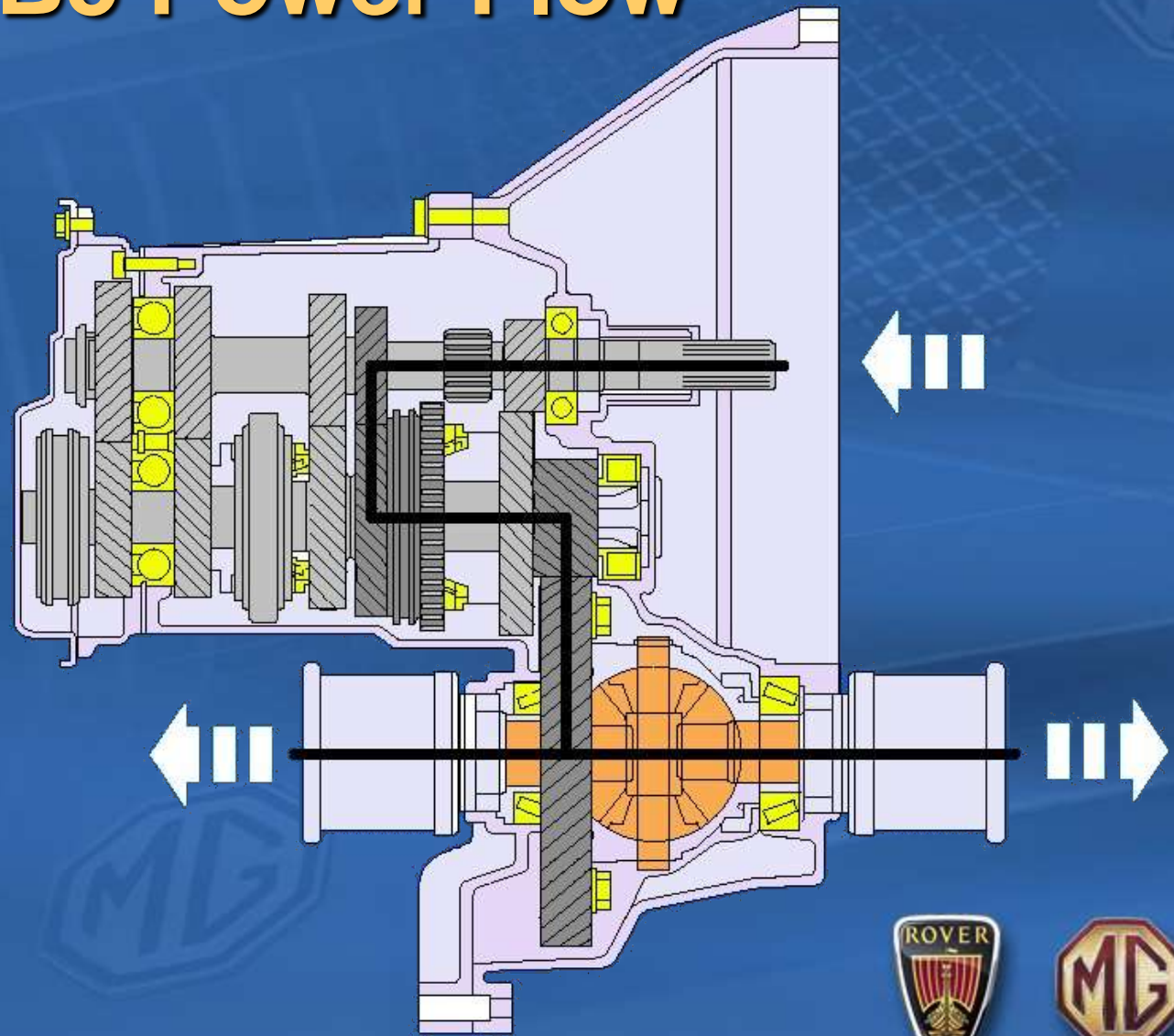




# Getrag iB5 Power Flow



# Getrag iB5 Power Flow



1 3 5

② 4 R

2<sup>nd</sup> Gear



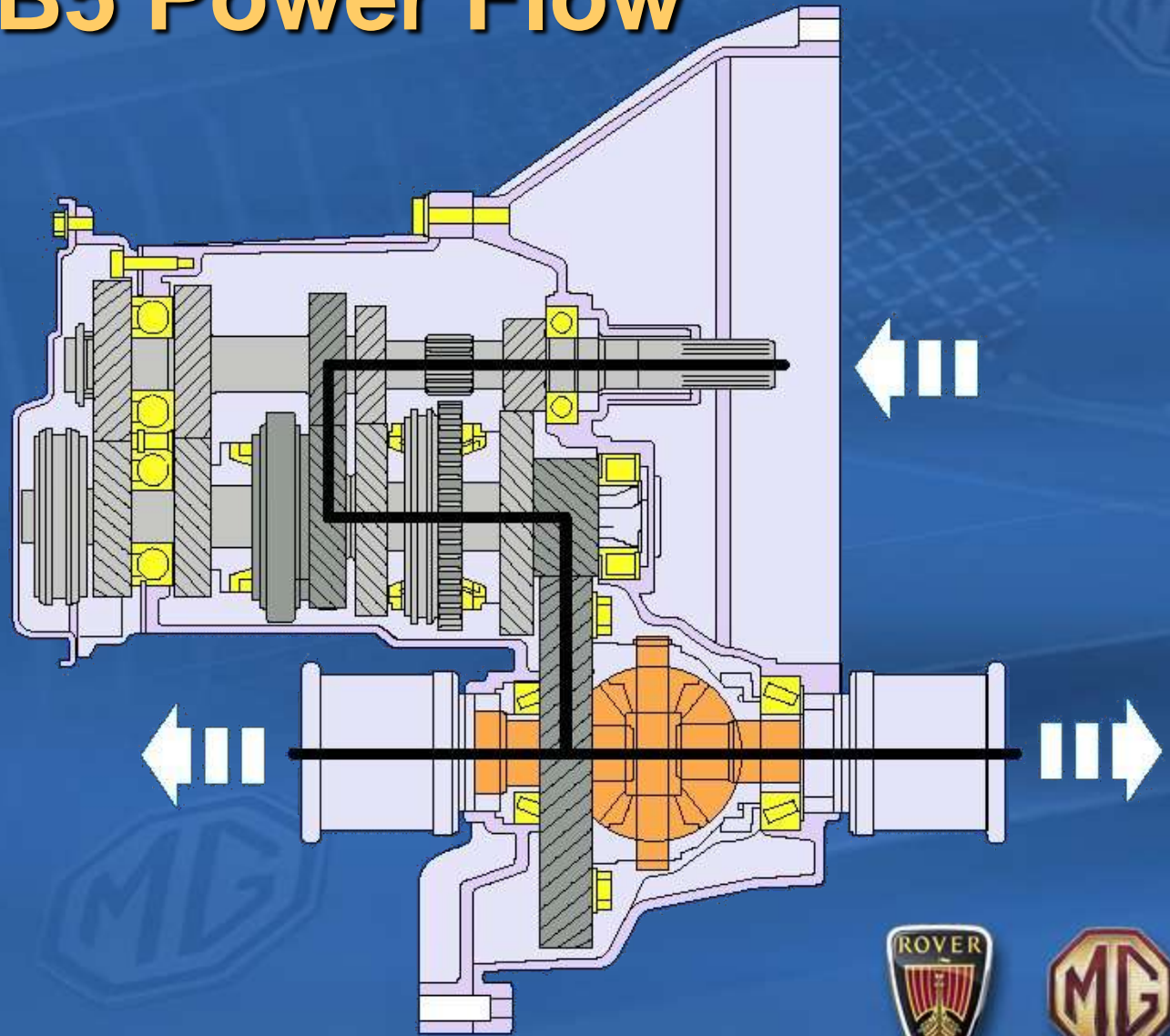


# Getrag iB5 Power Flow

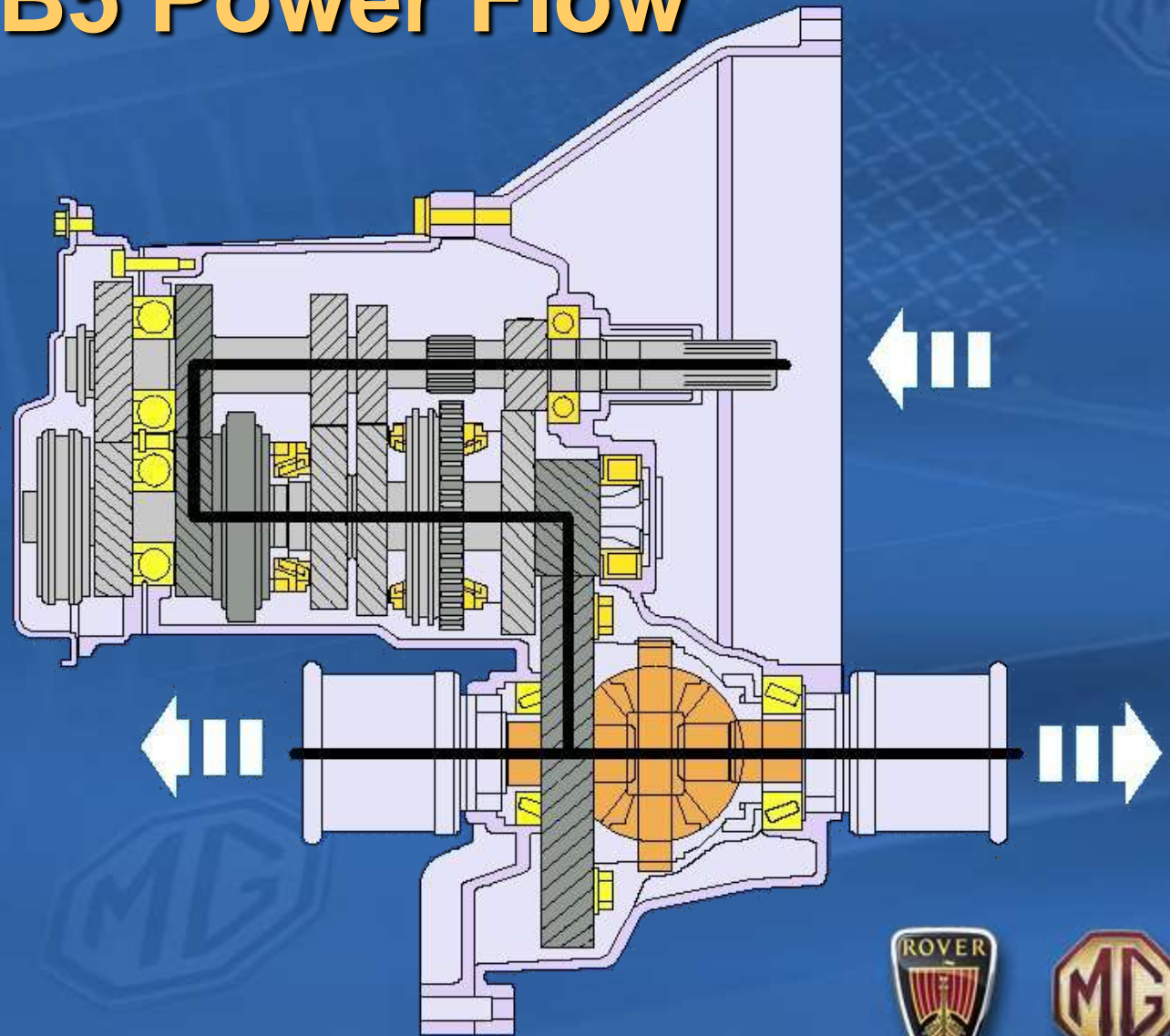
1 ③ 5

2 4 R

3<sup>rd</sup> Gear



# Getrag iB5 Power Flow



1 3 5

2 4 R

4<sup>th</sup> Gear

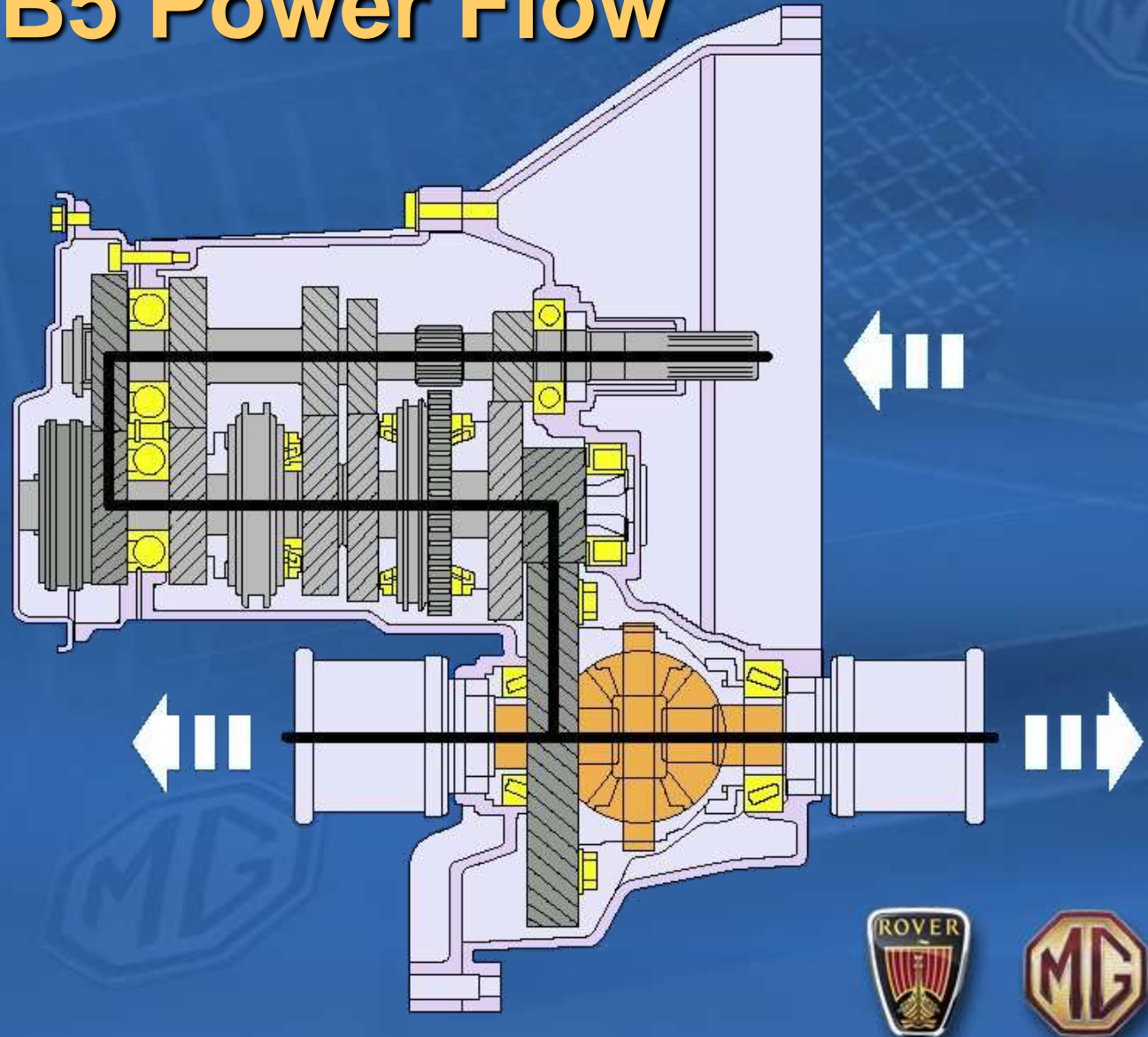


# Getrag iB5 Power Flow

1 3 **5**

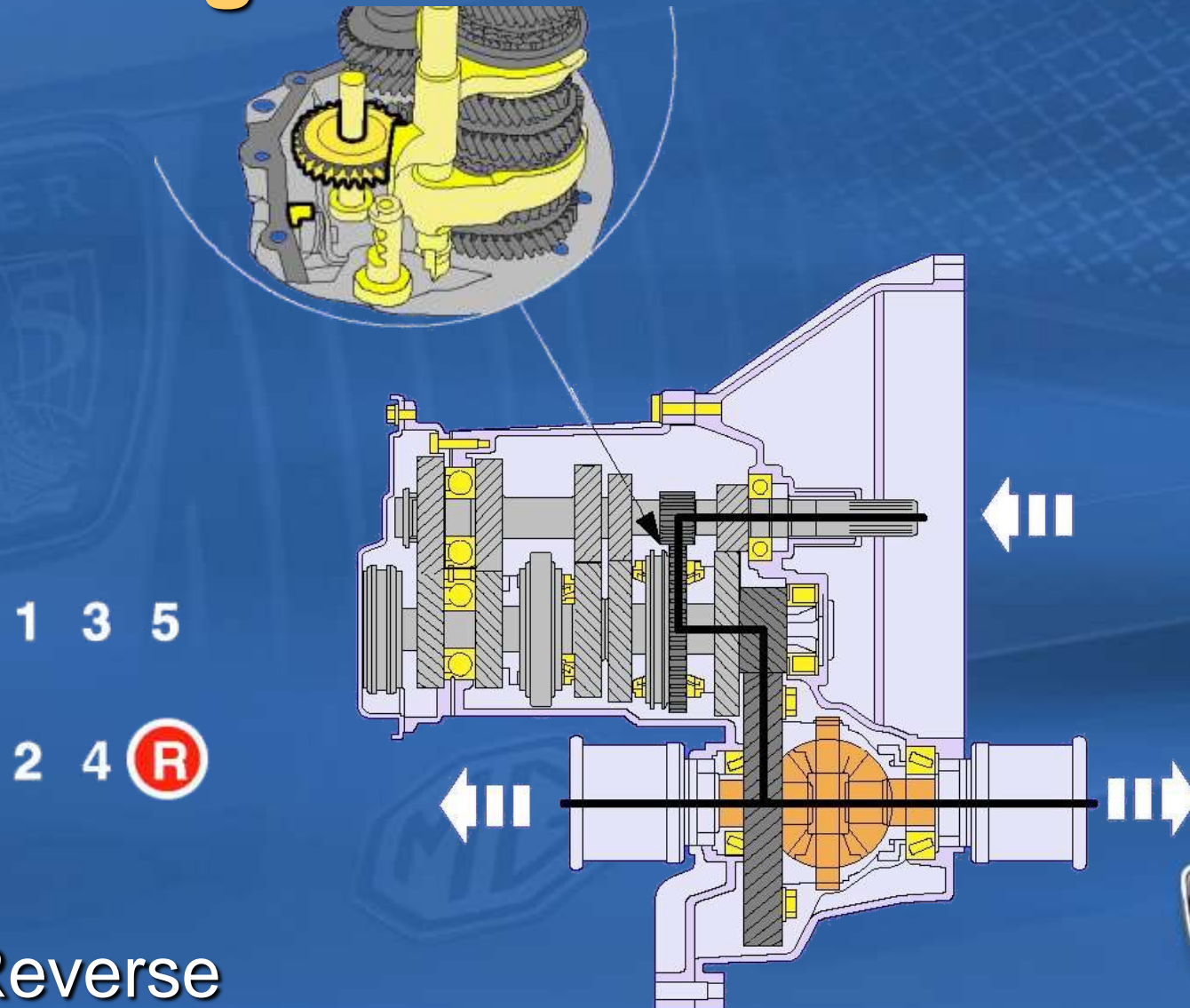
2 4 R

5<sup>th</sup> Gear





# Getrag iB5 Power Flow



Reverse

