

# BRAKE SYSTEM - GENERAL INFORMATION (G2344329)

## SPECIFICATIONS

### Brake Fluid



#### NOTE:

\* If the below fluid is not available, use a low viscosity DOT 4 brake fluid meeting ISO 4925 Class 6 and Land Rover LRES22BF03 requirements.

| ITEM                      | SPECIFICATION             |
|---------------------------|---------------------------|
| * Recommended brake fluid | Land Rover approved fluid |
| Fluid quantity            | 890 cm <sup>3</sup>       |

### General Specifications

| ITEM                   | SPECIFICATION                                                                                                                                                               | SPECIFICATION                                                                                                                                                                       | SPECIFICATION                                                                                                                                                         |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                        | <b>INGENIUM I4 2.0L Petrol (404PS /300PS) - Plug-in Hybrid Electric Vehicle (PHEV)</b>                                                                                      | <b>INGENIUM I6 3.0L Petrol (400PS)</b>                                                                                                                                              | <b>INGENIUM I4 2.0L Diesel (240PS /200PS) / INGENIUM I4 2.0L Petrol (300PS)</b>                                                                                       |
| Footbrake type:        | Hydraulic, servo assisted, self-adjusting with diagonal split hydraulic system, 6 piston opposed fixed calipers to the front and single piston sliding calipers to the rear | Hydraulic, servo assisted, self-adjusting with diagonal split hydraulic system, 4 piston opposed 2 piece fixed calipers to the front and single piston sliding calipers to the rear | Hydraulic, servo assisted, self-adjusting with diagonal split hydraulic system, 2 piston sliding calipers to the front and single piston sliding calipers to the rear |
| Brake control          | Bosch ESP9                                                                                                                                                                  | Bosch ESP9                                                                                                                                                                          | Bosch ESP9                                                                                                                                                            |
| <b>Front disc type</b> | Ventilated                                                                                                                                                                  | Ventilated                                                                                                                                                                          | Ventilated                                                                                                                                                            |
| Front disc diameter    | 380 mm (14.96 in)                                                                                                                                                           | 363 mm (14.29 in)                                                                                                                                                                   | 349 mm (13.74 in)                                                                                                                                                     |
| Front disc thickness   | 34 mm (1.33 in)                                                                                                                                                             | 33 mm (1.30 in)                                                                                                                                                                     | 34 mm (1.33 in)                                                                                                                                                       |
| Service limit          | 32 mm (1.26 in)                                                                                                                                                             | 31 mm (1.22 in)                                                                                                                                                                     | 32 mm (1.26 in)                                                                                                                                                       |
| <b>Rear disc type</b>  | Ventilated                                                                                                                                                                  | Ventilated                                                                                                                                                                          | Ventilated                                                                                                                                                            |

| ITEM                                               | SPECIFICATION     | SPECIFICATION     | SPECIFICATION     |
|----------------------------------------------------|-------------------|-------------------|-------------------|
| Rear disc diameter                                 | 365 mm (14.96 in) | 350 mm (13.78 in) | 325 mm (12.79 in) |
| Rear disc thickness:                               | 25 mm (0.98 in)   | 25 mm (0.98 in)   | 25 mm (0.98 in)   |
| Service limit                                      | 23 mm (0.91 in)   | 23 mm (0.91 in)   | 23 mm (0.91 in)   |
| <b>Brake pad wear nominal thickness</b>            |                   |                   |                   |
| Front brake pad                                    | 10 mm (0.39 in)   | 9.5 mm (0.37 in)  | 10 mm (0.39 in)   |
| Rear brake pad                                     | 11 mm (0.43 in)   | 11 mm (0.43 in)   | 11 mm (0.43 in)   |
| <b>Minimum pad wear thickness - front and rear</b> |                   |                   |                   |
| Front brake pad                                    | 1.5 mm (0.06 in)  | 2 mm (0.08 in)    | 3 mm (0.11 in)    |
| Rear brake pad                                     | 3 mm (0.11 in)    | 3 mm (0.11 in)    | 3 mm (0.11 in)    |
| <b>Brake pad material</b>                          | Asbestos free     | Asbestos free     | Asbestos free     |
| <b>Brake caliper piston diameters</b>              |                   |                   |                   |
| Front brake caliper piston diameter - 1 and 2      | 36 mm (1.42 in)   | 48 mm (1.90 in)   | 48 mm (1.90 in)   |
| Front brake caliper piston diameter - 3 and 4      | 38 mm (1.50 in)   | 48 mm (1.90 in)   | -                 |
| Front brake caliper piston diameter - 5 and 6      | 40 mm (1.57 in)   | -                 | -                 |

| ITEM                               | SPECIFICATION                   | SPECIFICATION                   | SPECIFICATION                   |
|------------------------------------|---------------------------------|---------------------------------|---------------------------------|
| Rear brake caliper piston diameter | 45 mm (1.77 in)                 | 45 mm (1.77 in)                 | 45 mm (1.77 in)                 |
| <b>Park brake system</b>           |                                 |                                 |                                 |
| Electric park brake                | Motor on the rear brake caliper | Motor on the rear brake caliper | Motor on the rear brake caliper |

## Torque Specifications

| ITEM                                                                        | NM   | LB-FT | LB-IN |
|-----------------------------------------------------------------------------|------|-------|-------|
| Front brake caliper bleed screw - <b>Opposed piston fixed brake caliper</b> | 18.5 | 13    | -     |
| Front brake caliper bleed screw - <b>Sliding pin brake caliper</b>          | 10   | 7     | -     |
| Rear brake caliper bleed screw - <b>All vehicles</b>                        | 13   | 10    | -     |

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