



Kosters
Motorboghandel ApS
Østergade 9
8800 Randers - Danmark
Tlf. 86 42 66 13
Fax 86 42 08 13
www.kosters.dk
Momsreg. (VAT) DK 72 27 25 28

GRATIS!
værkstedshåndbog

176

Verdens største udgiver af
vedligeholdelse- og
reparationshåndbøger for biler

Teknisk ordbog

ENGELSK – DANSK



HAYNES VÆRKSTEDSHÅNDBØGER

- **Hundredvis af fotografier**
- **Skridt for skridt instruktioner**
- **De eneste håndbøger der bygger på en total adskillelse og genopbygning af køretøjet**

9-8 Chapter 9 Braking system

6.6 Examine the inside surfaces of the brake drum for signs of excessive wear and/or cracks

6.7a General view of the rear brake assembly with the drum removed

6.7b Removing a shoe steady spring

6.8 Disconnecting the strut from the leading brake shoe

6.9a ... then from the wheel cylinder

6.9b ... then from the wheel cylinder

6.10a Applying high-matching paste grease to the brake backplate

6.10b Grease shoe contact points (indicated by arrows) to be lubricated on the backplate

6.11 Reconnect the upper return spring to the leading ...

6 Rear brake shoes - renewal

1. On Van models, drive from the down retaining lip from the upper hub disc. On other models, the disc over the drum and remove it. Take the retaining lip into the renewed brake assembly.
2. With the brake drum removed, knock it up the drum from the drum brake shoes, wheel cylinder and backplate. Take great care not to scratch the drum, as it may restrict service.
3. If required, remove the hub from the drum before proceeding as described in Chapter 10.

Inspection

4. Clean the inside surfaces of the brake drum and hub. Then examine the internal surface of the brake drum for signs of scoring or cracks (see Illustration). If any deterioration of the friction surface is noticed, removal of the drum is necessary. To discard the hub from the drum before acceptable, refer to Chapter 10.

Refitting

1. Check that the automatic brake adjuster is fully retracted. Then, according to type, with the drum held in the vice, tighten the retaining nuts to the specified torque, or fit the drum over the wheel studs, and press it into the retaining lip on one of the shoes.
2. With the brake drum removed, lift the rear wheel. Fully depress the brake pedal several times, to retract the rear brake adjuster and take up the adjustment. Check that the rear wheel spins freely when the vehicle is released. Then apply the handbrake, hold the vehicle and tighten the wheel nuts to the specified torque which setting. Remove the wheel spindle from the front wheel.

6 Rear brake shoes - renewal

1. Remove the rear brake drum with reference to Section 6.
2. Note the fitted positions of the springs and the adjuster strut (see Illustration).
3. Remove the shoe steady springs for loosening and turning them through 90° (see Illustration). Remove the springs and pins.
4. Pull the leading shoe away from the backing, anchor, and adjuster. Do not touch the shoe (see Illustration).
5. Move the friction ends of the brake shoes towards each other. Then disconnect the top of the return spring from the wheel cylinder. Be careful not to damage the wheel cylinder return bolts. To prevent the wheel cylinder pistons from being unintentionally opened. If a suitable clamp can be used to grip the return spring over the cylinder (see Illustration).
6. Disconnect the upper return spring from the shoe.
7. Disconnect the handbrake cable from the handbrake operating lever on the trailing shoe. Disconnect the support spring from the strut. Heat the trailing shoe through 90° and detach it from the strut (see Illustration).

Warning: Drum brake shoes MUST be renewed on both rear wheels at the same time. MOST drum brake shoes do not wear evenly as brakes. Braking may result. Also, the dust created by wear of the shoes may contain asbestos, which is a health hazard. Wear a mask or not with compressed air, and don't inhale any of it. An approved breathing mask should be worn when working on the brakes. DO NOT use petroleum-based solvents to clean brake parts. Use brake cleaner or methanol based solvents.

Illustrations

1. Disconnect the strut from the leading shoe. As the strut is pulled from the shoe, the automatic adjuster will retract and release the pin.
2. Clean the adjuster and its associated components.
3. Clean the backplate, then apply a thin high-matching court grease to the shoe contact points on the backplate and the lower anchor pin.

See Illustrations:

1. Transfer the strut and the upper return spring from the new leading shoe (see Illustration).
2. Locate the shoe and fit the upper return spring into the new leading shoe. Then holding the shoe, engage the shoe support spring and strut. When reconnected, check that the cam and pawl of the automatic adjuster have engaged (see Illustration).

Chapter 9 Braking system 9-9

6.7a Disconnecting the handbrake cable from the trailing brake shoe

6.7b Disconnecting the support spring from the strut

6.8 Disconnecting the strut from the leading brake shoe

6.9a ... then from the wheel cylinder

6.9b ... then from the wheel cylinder

6.10a Applying high-matching paste grease to the brake backplate

6.10b Grease shoe contact points (indicated by arrows) to be lubricated on the backplate

6.11 Reconnect the upper return spring to the leading ...

6.12a ... and trailing shoe

6.12b Brake shoes, strut and upper springs reconnected

Warning: Drum brake shoes MUST be renewed on both rear wheels at the same time. MOST drum brake shoes do not wear evenly as brakes. Braking may result. Also, the dust created by wear of the shoes may contain asbestos, which is a health hazard. Wear a mask or not with compressed air, and don't inhale any of it. An approved breathing mask should be worn when working on the brakes. DO NOT use petroleum-based solvents to clean brake parts. Use brake cleaner or methanol based solvents.

Illustrations

1. Disconnect the strut from the leading shoe. As the strut is pulled from the shoe, the automatic adjuster will retract and release the pin.
2. Clean the adjuster and its associated components.
3. Clean the backplate, then apply a thin high-matching court grease to the shoe contact points on the backplate and the lower anchor pin.

See Illustrations:

1. Transfer the strut and the upper return spring from the new leading shoe (see Illustration).
2. Locate the shoe and fit the upper return spring into the new leading shoe. Then holding the shoe, engage the shoe support spring and strut. When reconnected, check that the cam and pawl of the automatic adjuster have engaged (see Illustration).

Fremgangsmåden er beskrevet skridt for skridt ved hjælp af hundredvis af illustrationer og let forståelige instruktioner. Opdag hvordan en Haynes håndbog kan hjælpe dig med at vedligeholde og reparere din egen bil og derved spare dig penge.

Mere end 50 millioner solgte bøger gør Haynes til verdens største udgiver af håndbøger for biler og motorcykler.

LAND ROVER FREELAND
1997 to 2002 (R registration of 2000)
Haynes Service and Repair Manual



Denne bog tilhører
MG Car Club Danish Centre

...og er købt for medlemmernes kontingent
Pas på den, som var det din egen –
og husk at aflevere den efter lån!

