REAR AXLE

To Remove

Drain the axle casing.

Position a trolley jack beneath the axle casing.

Jack up the rear of the vehicle and support the chassis side members in front of the rear spring front brackets with the road wheels clear of the ground.

Remove the road wheels.

Disconnect the propeller shaft from the driver coupling and support the shaft.

Disconnect the handbrake secondary cables from the compensator.

Disconnect the main handbrake cable from the compensator and lift clear of the axle.

Disconnect the rear brake hydraulic hose from the three way connector.

Remove the shock absorbers (refer to sub section K500).

Remove the rear spring 'U' bolt securing nuts.

Withdraw the 'U' bolts and 'U' bolt pads.

Steady the rear axle at its outer ends allowing the axle to be lowered and withdrawn rearward from beneath the vehicle.

To Dismantle

Remove the axle shafts (refer to sub-section H100).

Remove the hub assemblies (refer to sub—section H110).

Disconnect the brake pipes from the brake wheel cylinders.

Remove the spring brake actuator where fitted (refer to sub-section M312).

Remove nuts and bolts securing the brake backing plate to the flange on the axle casing.

Withdraw brake assemblies complete with hand-brake secondary cables.

To dismantle the hubs, bevel pinion or differential and drive gear assemblies refer to the appropriate sub-section of this section.

Inspection and Overhaul

Remove the breather on top of the axle casing and ensure free from obstruction. Renew if necessary.

Clean the axle casing internally and externally using paraffin.

Examine the threads on the ends of the axle casing. Redress, if necessary, using suitable die nut.

Inspect axle casing and components thereon for damage. Refer also to Section M for brake system components.

To inspect and overhaul the removed sub-assemblies refer to the appropriate sub-section of this section.

To Reassemble

To reassemble the rear axle reverse the dismantling procedure ensuring:

Bostic sealant 772 is used between axle casing and gear carrier.

The compensator linkage/spring brake actuator is reassembled as detailed under section M312.

Hubs, bevel pinion and differential and drive gear assemblies are refitted as detailed under the appropriate sub-section of this section.

Torque load the brake assembly back plate set-bolts and nuts to 135 Nm (100 lbf. ft).

To Refit

To refit the rear axle reverse the removal procedure ensuring:

The rear springs locating dowels locate in the holes in the spring saddles.

New spring 'U' bolt nuts are fitted and torque loaded to 142 Nm (105 lbf. ft) as detailed under section K400.

Connect the handbrake cable and adjust as detailed under section M311 'Brakes'.

Reconnect the brake pipes and bleed the hydraulic system as detailed under section M230.