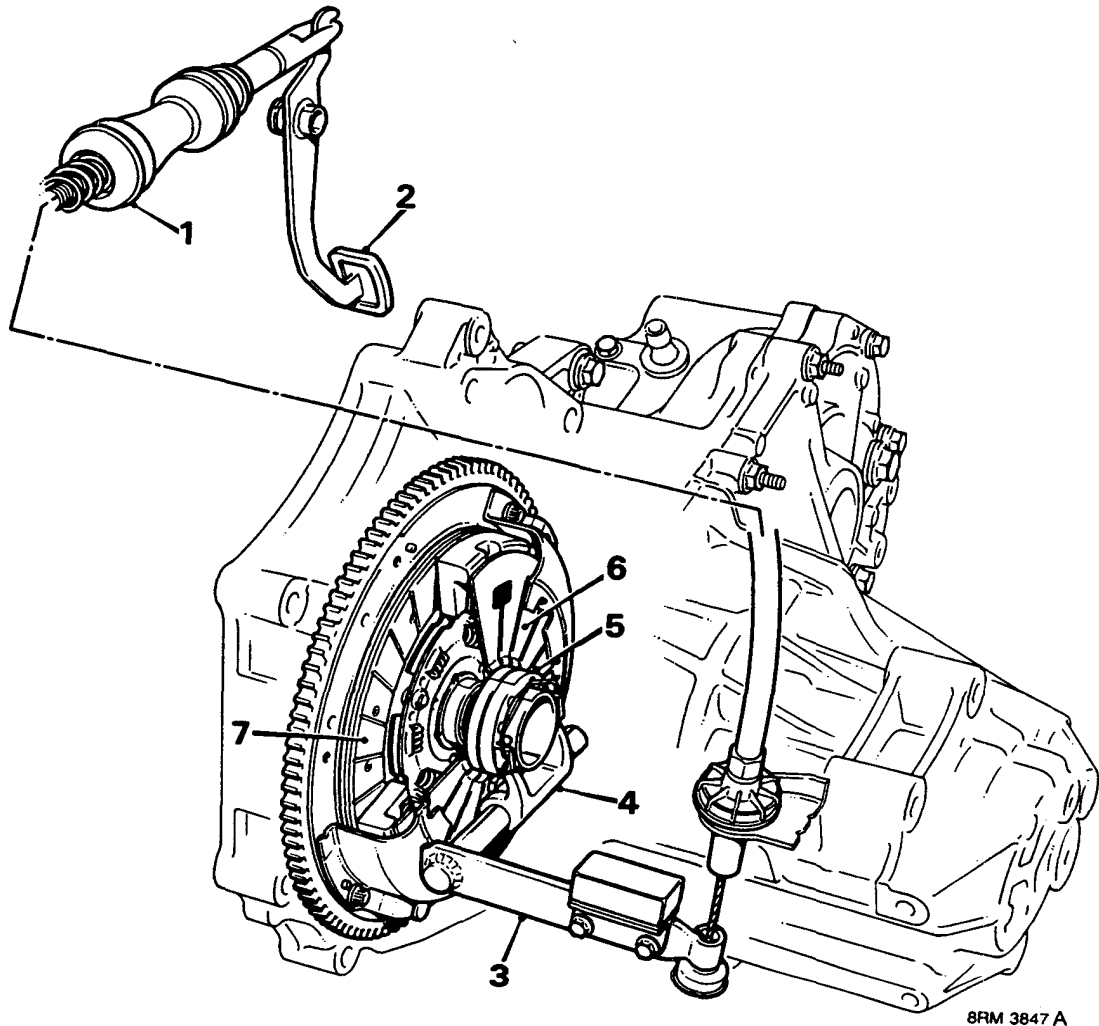


Clutch

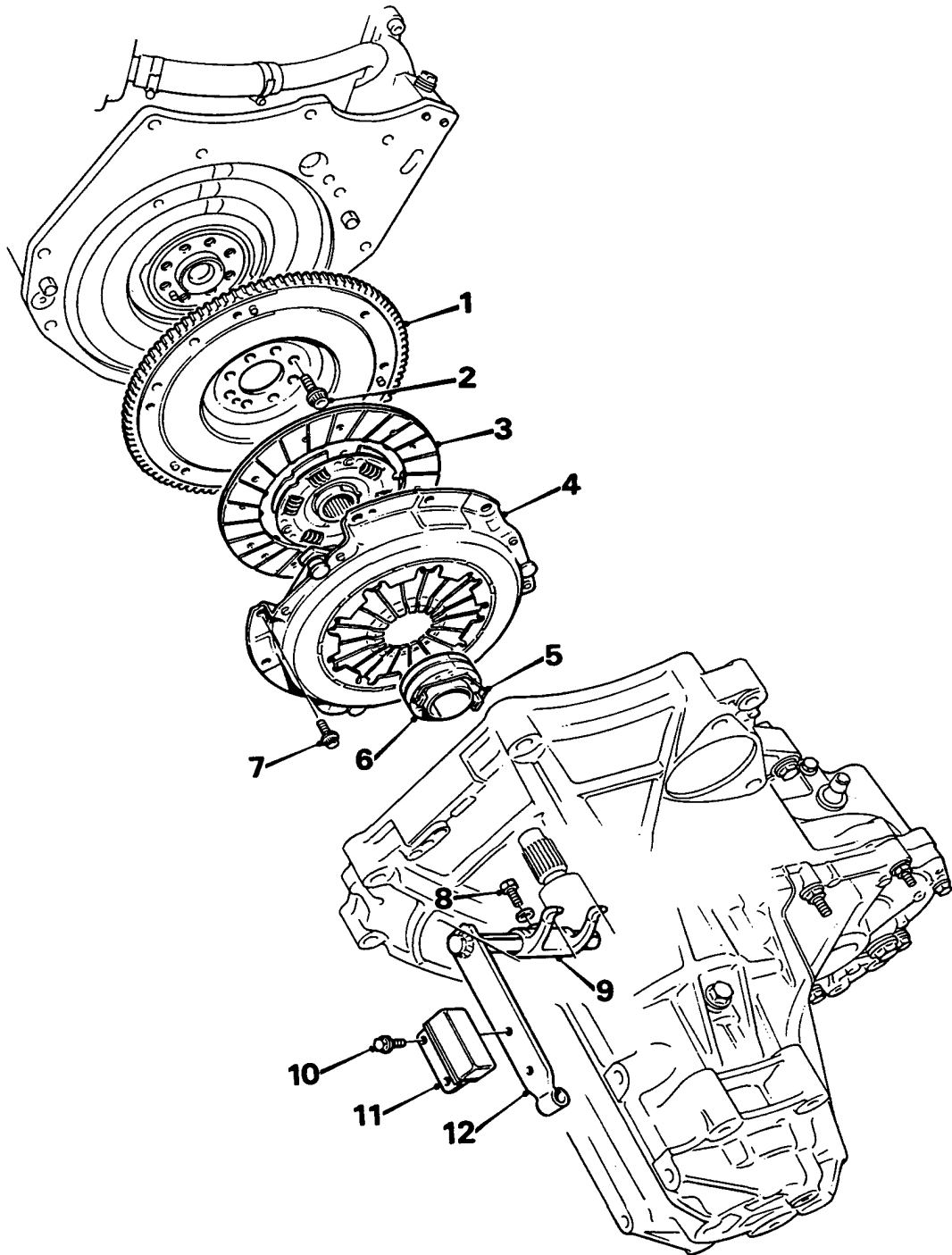


8RM 3847 A

OPERATION

The diaphragm spring clutch is operated via a self-adjusting cable (1) attached at one end to the clutch pedal (2) and at the other end to the release lever (3).

When the clutch pedal is depressed, the clutch cable transmits movement to the release lever. The release fork (4) attached to the release lever shaft converts the rotary movement of the release lever shaft into linear movement and pushes the release bearing (5) against the pressure plate diaphragm fingers (6). Movement of the diaphragm fingers releases pressure from the clutch plate (7). Releasing the clutch pedal allows the diaphragm fingers to push the release bearing back and force the clutch plate against the flywheel.



8RM 3846

CLUTCH COMPONENTS

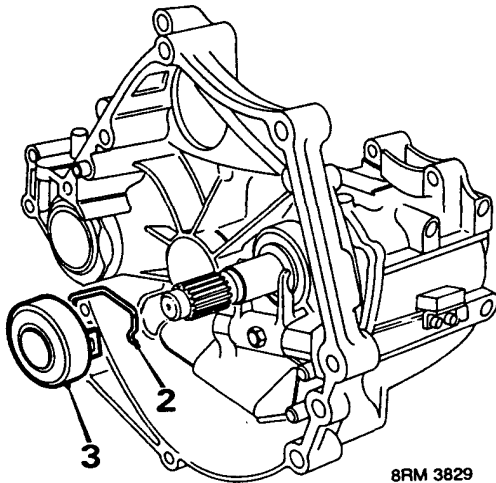
- | | |
|---------------------------|----------------------|
| 1. Flywheel | 8. Release fork bolt |
| 2. Flywheel bolt | 9. Release fork |
| 3. Clutch plate | 10. Mass damper bolt |
| 4. Pressure plate | 11. Mass damper |
| 5. Release bearing spring | 12. Release lever |
| 6. Release bearing | |
| 7. Pressure plate bolt | |

Clutch

CLUTCH ASSEMBLY AND RELEASE BEARING

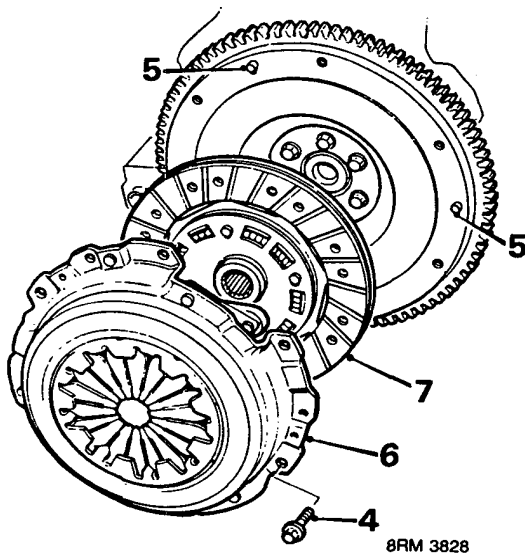
Remove

1. Remove gearbox assembly, see **MANUAL GEARBOX - Repairs**.



Release bearing

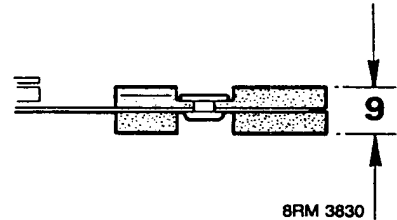
2. Remove spring retaining release bearing to release fork.
3. Remove release bearing.



Clutch assembly

4. Progressively slacken, then remove 6 bolts securing pressure plate to flywheel.
5. Release pressure plate from locating dowels.

6. Remove pressure plate.
7. Remove clutch plate.
8. Check clutch plate for damage, warping or oil contamination; renew as necessary.



9. Check clutch plate for wear; renew plate if total thickness is less than service limit.
Clutch plate thickness - new plate - $7.3 \pm 0.3\text{mm}$.
Clutch plate thickness - service limit - $6.3 \pm 0.3\text{mm}$.
10. Check pressure plate for damage; renew as necessary.
11. Thoroughly clean flywheel and any original components to be refitted.

Refit

Release bearing

1. Thoroughly clean release bearing exterior, release fork, bearing sleeve and retaining spring.

CAUTION: Do not wash release bearing in solvent; do not lubricate bearing.

2. Smear bearing sleeve and prongs of release fork with Molykote BR2 lubricant.
3. Position release bearing to bearing sleeve and release fork; fit retaining clip.

Clutch assembly

4. Position clutch plate and pressure plate to flywheel, ensure pressure plate is located on dowels.

CAUTION: 'FLYWHEEL SIDE' marking on clutch plate must face towards flywheel.

5. Fit suitable alignment tool to centralise clutch plate.
6. Fit but do not tighten bolts, pressure plate to flywheel.
7. Progressively tighten bolts by diagonal selection to 23 Nm.
8. Remove alignment tool.
9. Fit gearbox assembly, see **MANUAL GEARBOX - Repairs**.



DATA

Clutch plate thickness – new plate. 7.3 ± 0.3 mm
Clutch plate thickness – service limit 6.3 ± 0.3 mm

TORQUE SETTINGS

Pressure plate bolts 23 Nm