

## REMOVAL

To remove chaincase proceed as follows.

Remove tuned pipe and muffler.

### **⚠ WARNING**

Never remove exhaust components when engine is hot.

Remove hair pin no. 8. Release drive chain tension by unscrewing tensioner adjustment screw.

Drain oil by removing chaincase cover no. 2.

Apply brakes.

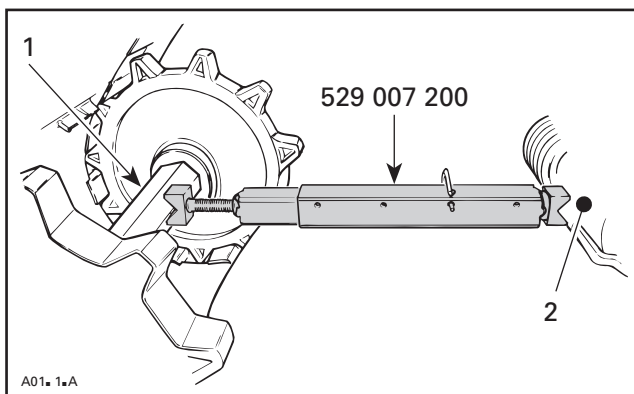
Remove cotter pin no. 3, nut no. 4, washer no. 26 retaining upper sprocket no. 5 and screw no. 15 retaining lower sprocket no. 16. Pull sprockets and drive chain simultaneously. Remove shims nos. 6 and 17.

**NOTE:** Should countershaft removal be required, refer to BRAKE then look for **Brake Disc**.

Remove 5 nuts no. 14. Three nuts are behind the lower sprocket.

Unfold locking tab no. 23, then remove caliper retaining screws no. 22.

Release track tension, use drive axle holder (P/N 529 007 200).



#### TYPICAL

1. Drive axle
2. Suspension cross shaft

Pry out drive axle oil seal no. 20 from chaincase.

Pull chaincase from drive axle and countershaft.

Using 2 prybars inserted between chaincase no. 7 and frame, pry complete assembly from vehicle.

## INSPECTION

Visually inspect the chain for cracked, damaged or missing links. Check for worn or defective bearings, sprockets and chain tensioner components.

### **⚠ WARNING**

If chain deflection is greater than 38 mm (1.5 in) (without chain tensioner), replace chain and check condition of sprockets.

## GEAR RATIO MODIFICATION

For particular applications, the number of teeth of the sprockets can be increased or decreased on lower and upper sprockets.

Refer to TECHNICAL DATA for gear ratios.

**CAUTION:** Gear ratio modifications should only be performed by experienced mechanics since they can greatly affect vehicle performance.

**NOTE:** For high altitude regions, a Service Bulletin will give information about calibration according to altitude.

## INSTALLATION

Reverse removal procedure and pay attention to the following. Replace oil seals, gaskets and O-rings. Sealed side of bearing no. 27 must face chaincase cover.

### 11, Oil Seal

Clean chaincase bore with cleaning solvent then apply Loctite 609 to oil seal mounting surface (outside).

Using pusher (P/N 529 035 584), press the oil seal into chaincase hub. Oil seal must fit flush with the chaincase edge.

**NOTE:** Should installation procedure for countershaft be required, refer to BRAKE then look for **Brake Disc and Countershaft Bearing Adjustment**.

### 5,16, Sprockets

Position the sprockets with the writing facing the chaincase cover.