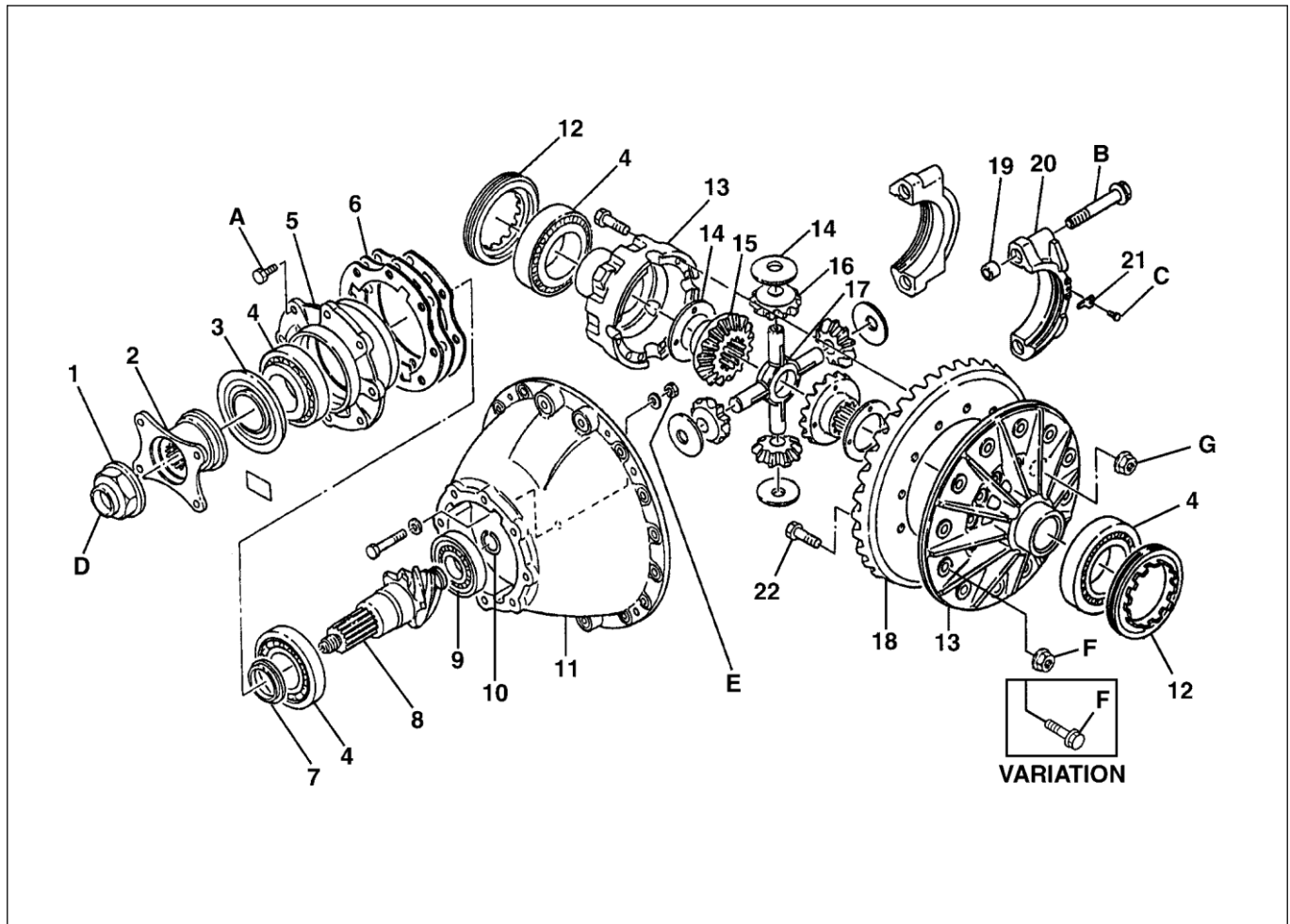


Hino Ranger 500 Trucks 2001-2016 Factory Service

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SHTS055150200007

1 Lock nut	9 Cylindrical roller bearing	17 Spider
2 Flange yoke coupling	10 Retainer ring	18 Hypoid ring gear
3 Oil seal	11 Differential carrier case	19 Collar
4 Taper roller bearing	12 Adjusting nut	20 Bearing cap
5 Bearing cage	13 Differential case	21 Lock plate
6 Adjusting shim	14 Thrust washer	22 Bolt (If so equipped)
7 Spacer	15 Differential side gear	
8 Hypoid pinion	16 Differential pinion gear	

Tightening torque

Unit: N·m {kgf·cm, lbf·ft}

A 167-223 {1,700-2,300, 123-166}	E 19-25 {190-260, 14-18}
B 344-460 {3,500-4,700, 254-336}	F 461-559 {4,700-5,700, 340-412}
C 19-25 {190-260, 14-18}	G 246-294 {2,500-3,000, 181-216}
D 589-781 {6,000-8,000, 434-578}	

OVERHAUL

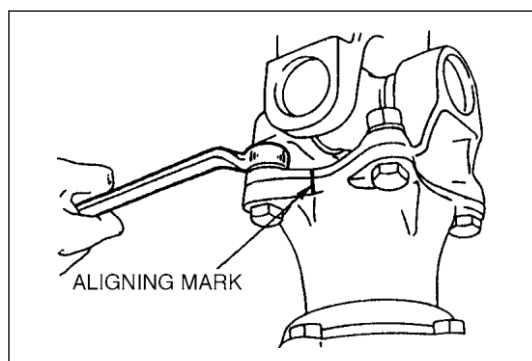
EN0551502H200001

IMPORTANT POINTS - DISMOUNTING

1. DISCONNECT THE PROPELLER SHAFT.

NOTICE

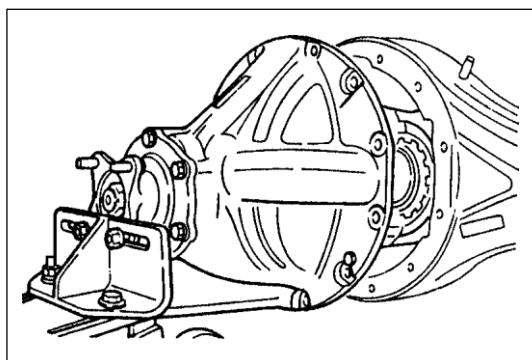
Make aligning marks before disassembling.



SHTS055150200008

2. DISMOUNT THE DIFFERENTIAL CARRIER ASSEMBLY.

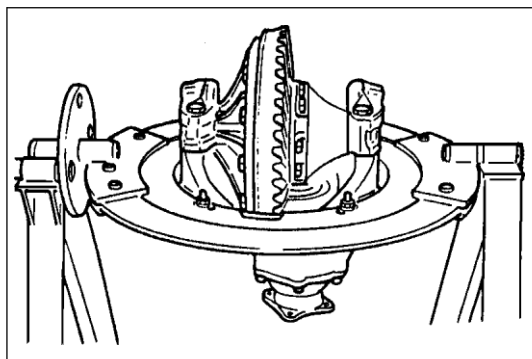
- (1) Drain the gear oil and remove the axle shaft.
- (2) Using a jack, dismount the differential carrier assembly.



SHTS055150200009

IMPORTANT POINTS - DISASSEMBLY

1. MOUNT THE DIFFERENTIAL CARRIER ASSEMBLY ON A WORK STAND.



SHTS055150200010

2. DIFFERENTIAL CASE

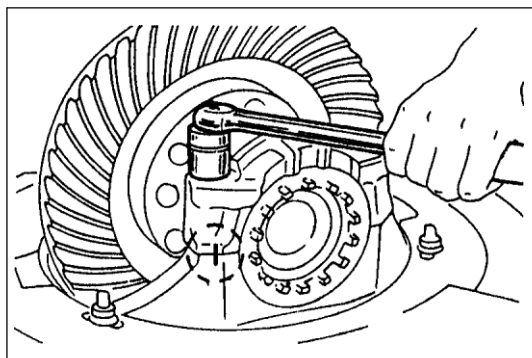
- (1) Remove the bearing cap.

NOTICE

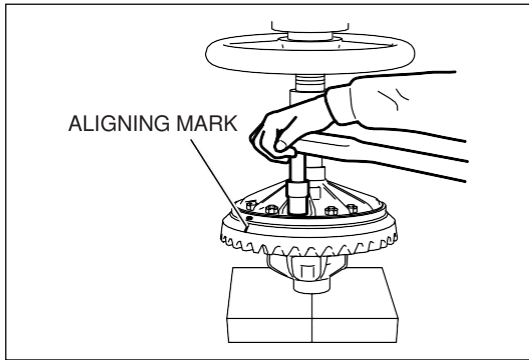
Make aligning marks before disassembling.

SST: Socket Wrench (S0983-93003)

- (2) Using a puller, remove the taper roller bearing.



SHTS055150200011

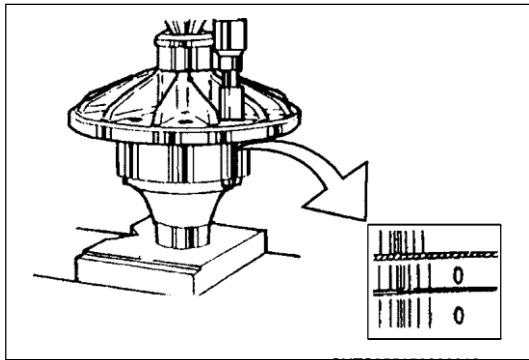


SHTS055150200012

- (3) Dismounting the ring gear
 - a. Make aligning mark both the differential case and the ring gear.
 - b. Using press, fix the differential gear assembly.
 - c. Remove the bolts, nuts (Gear ratio 6.428: bolts only) and then ring gear.

NOTICE

Be careful not to drop the ring gear.

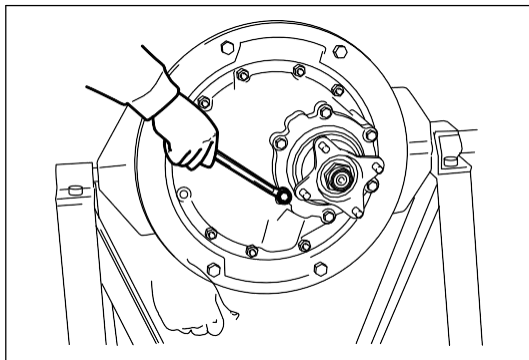


SHTS055150200013

- (4) Disassemble the differential case.

NOTICE

Be sure to check the aligning marks on the differential case before disassembling. Remove the bolts and nuts so that the case separates.



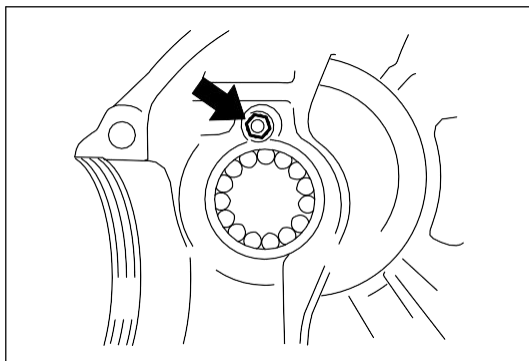
SHTS055150200014

3. HYPOID PINION

- (1) Remove the bolts and then dismount the hypoid pinion and the shims.

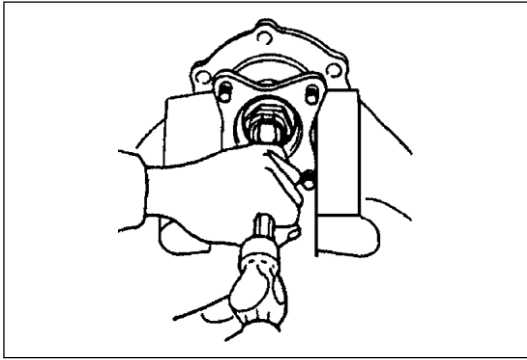
NOTICE

Make aligning mark the differential cage and differential carrier.



SHTS055150200015

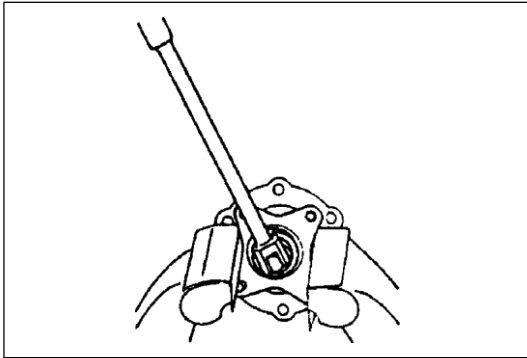
- (2) Remove the bolts, nuts, and washers.
- (3) Using brass bar and hammer, knock through the cylindrical roller bearing outer race.



SHTS055150200016

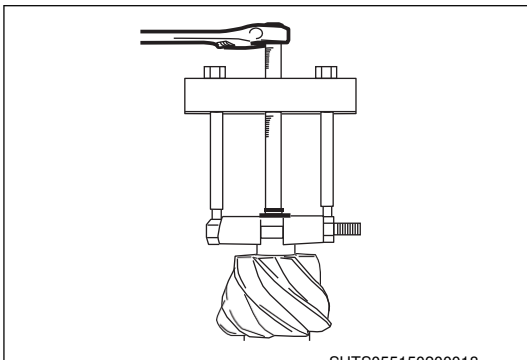
4. BEARING CAGE

- (1) Uncaulk the lock nut and remove the nut.
SST: Socket Wrench (S0983-95501)



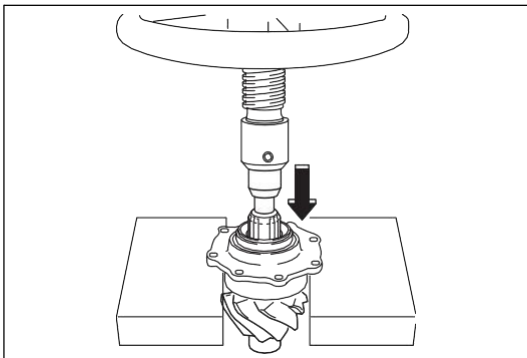
SHTS055150200017

- (2) Using a puller, remove the cylindrical roller bearing inner race.



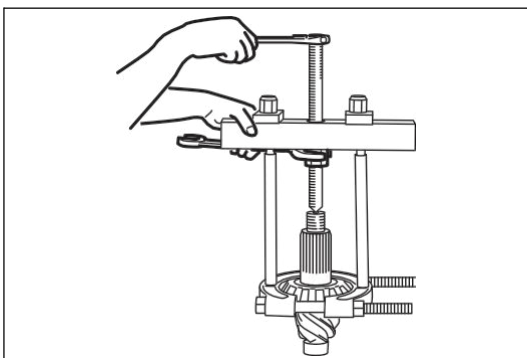
SHTS055150200018

- (3) Using a press, remove the hypoid pinion.



SHTS055150200019

- (4) Using a puller, remove the taper roller bearing inner race.



SHTS055150200020