

# 91000-B Deluxe A/C Clutch Hub Puller & Installer

## REMOVING PROCEDURE:

- Remove shaft nut or retaining ring using the Universal Clutch Holding Tool.  
\* For Hitachi compressors use 91311 spanner plug tool.
- Thread removing tool onto hub. Position center screw against the end of compressor shaft.
- Hold body of remover with wrench and turn center screw into remover body to remove clutch hub assembly.

## INSTALLING PROCEDURE:

- Ensure frictional surface of clutch plate and rotor is clean.
- Align shaft key with shaft keyway and place clutch plate and hub assembly on compressor shaft. **(Do not drive or pound on clutch hub or shaft, as this may cause internal damage to compressor.)**
- Attach installing tool onto compressor shaft.  
**(Body of installing tool should be backed off sufficiently to allow center screw to be threaded fully onto end of compressor shaft.)**
- Hold center screw with wrench and tighten hex portion of installer to press hub onto shaft.
- Tighten body several turns until the air gap between the friction surfaces is .020 - .030"
- Remove installer and check for proper positioning of shaft key.
- Install shaft nut or retaining ring. **(Refer to manufacturer specification for correct torque). \* For Hitachi compressors use 91311 spanner plug tool.**
- Spin pulley by hand to check for free operation.

## WARNING

- Puller parts can break under stress!
- Wear safety goggles (user and bystanders)!
- Do not heat pullers!
- Do not over stress pullers!
- Be aware of hand positions.
- Read and follow instructions.
- Broken parts can cause injury!
- Avoid contact with refrigerant!

Compressor Type Used							
Vehicles from (1989 - present)							
Make	Nippon	Sanden	York Tecumseh	Harrison	Zexel Hitachi	Seiko Seiki	Diesel Kiki
Acura	X						
American Motors		X					
Audi	X		X				
BMW		X	X				
Buick				X			
Cadillac				X			
Chevrolet				X			
Chevrolet Truck				X			
Chrysler	X						
Dodge	X						
Dodge Truck	X	X					
Eagle	X	X					
Fiat		X					
Ford	X	X					
Ford Truck	X	X					
GMC Truck				X			
Honda	X						
Hyundai		X					
Infinity					X		
Isuzu				X			
Jaguar		X	X	X			
Jeep		X	X				
Lexus	X						
Lincoln	X						
Mazda	X						
Mercedes Benz			X	X			
Mercury	X						
Mitsubishi	X						
Nissan					X		
Oldsmobile				X			
Peugeot		X					

Plymouth Truck	X						
Pontiac				X			
Porsche		X	X				
Renault		X					
Saab						X	
Saturn						X	
Subaru		X	X				
Suzuki	X						
Toyota	X						
Volkswagon	X	X	X				
Volvo							X

Make	Remover	Installer
<b>Harrison GM</b> DA-6, HR-6 & V5	<b>91212</b> Nut & Arbor	<b>90458</b> Nut, Bearing & <b>91260</b> Arbor
A-6 & Earlier R4	<b>90454</b> Nut & Arbor	<b>90458</b> Nut, Bearing & Arbor
R4	<b>90454</b> Nut & <b>91195</b> Arbor	<b>90458</b> Nut, Bearing & <b>91260</b> Arbor
<b>Nippondenso Ford / Chrysler</b> A590, C171 & FS-6	<b>91122</b> Nut & <b>91212</b> Arbor	<b>90458</b> Nut & <b>1052-001</b> Arbor & Washer
For FS-6 W / Special 24mm x 2.0	<b>91122</b> Nut & Arbor	<b>90458</b> Nut & <b>1052-001</b> Arbor & Washer
New Style	<b>90454</b> Nut & Arbor	<b>90458</b> Nut & <b>1052-001</b> Arbor & Washer
<b>Sanden</b>	<b>90902</b> Puller Plate & Arbor	
<b>York / Tecumseh</b> HR980	<b>91122</b> Nut & <b>91212</b> Arbor	<b>90458</b> Nut & <b>1052-001</b> Arbor & Washer
<b>Zexel / Mitsubishi</b> CH Series	<b>92260</b> Arbor & <b>90902</b> Puller Plate	

## COMPRESSOR IDENTIFICATION

