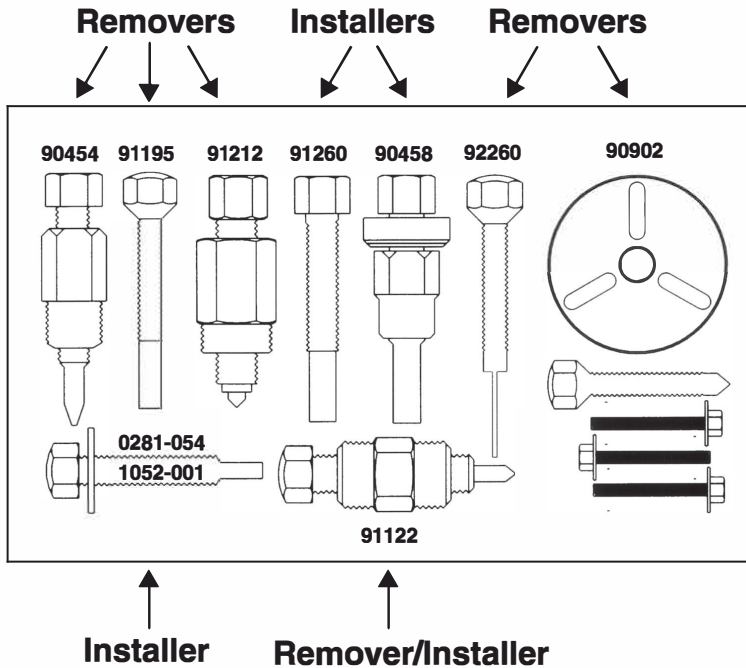




Mastercool® Inc.
"World Class Quality"

PART# 91000-A

Deluxe A/C Clutch Hub Puller & Installer



REMOVING PROCEDURE:

1. Remove shaft nut or retaining ring.
2. Thread removing tool onto hub. Position center screw against the end of compressor shaft.
3. Hold body of remover with wrench and turn center screw into remover body to remove clutch hub assembly.

INSTALLING PROCEDURE:

1. Ensure frictional surface of clutch plate and rotor is clean.
2. 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.)
3. 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).
4. Hold center screw with wrench and tighten hex portion of installer to press hub onto shaft.
5. Tighten body several turns until the air gap between the friction surfaces is .020 - .030 inch.
6. Remove installer and check for proper positioning of shaft key.
7. Install shaft nut or retaining ring.
(Refer to manufacturer specification for correct torque).
8. 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!



Mastercool® Inc.



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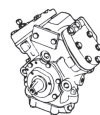
sales@calcercert.com

1.888.610.7664

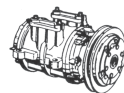
Compressor Type Used Vehicles from (1989 - present)							
Make	Nippon	Sanden	York Tecumseh	Harrison	Zexel Hitachi	Seiko Seiki	Diesel Kiki
Acura	X						
American Motors		X					
Audi	X		X				
BMW		X	X				
Buick				X			
Cadillac				X			
Chevrolet				X			
Chevrolet Truck				X			
Chrysler	X						
Dodge	X						
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	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	
Harrison GM DA-6, HR-6 & V5	91212	Nut & Arbor	90458 91260	Nut, Bearing & Arbor
A-6 & Earlier R4	90454	Nut & Arbor	90458	Nut, Bearing & Arbor
R4	90454 91195	Nut & Arbor	90458 91260	Nut, Bearing & Arbor
Nippondenso Ford / Chrysler A590, C171 & FS-6	91122 91212	Nut & Arbor	90458 1052-001	Nut & Arbor & Washer
For FS-6 W / Special 24mm x 2.0	91122	Nut & Arbor	90458 1052-001	Nut & Arbor & Washer
New Style	90454	Nut & Arbor	90458 1052-001	Nut & Arbor & Washer
Sanden	90902	Puller Plate & Arbor		
York / Tecumseh HR980	91122 91212	Nut & Arbor	90458 1052-001	Nut & Arbor & Washer
Zexel / Mitsubishi CH Series	92260 90902	Arbor & Puller Plate		

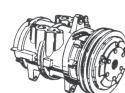
COMPRESSOR IDENTIFICATION



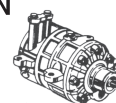
Chrysler
RV2



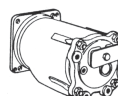
Nippondenso
A590



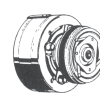
C171



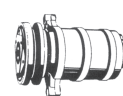
Chrysler Nippondenso
Variable Displacement
Compressor



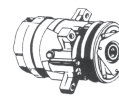
Harrison
Axial (A-6)



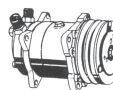
Harrison
Radial (R-4)



Harrison
DA-6/HR-6/HE-6



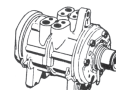
Harrison
V-5 Compressor



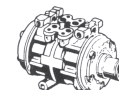
Sankyo (Sanden)
SD508



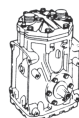
SD709



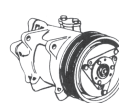
6P148



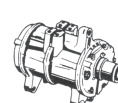
Nippondenso 10P15



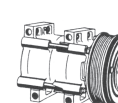
York & Tecumseh



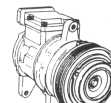
Hitachi



FS-6



Ford FX-15



Nippondenso 10PA17