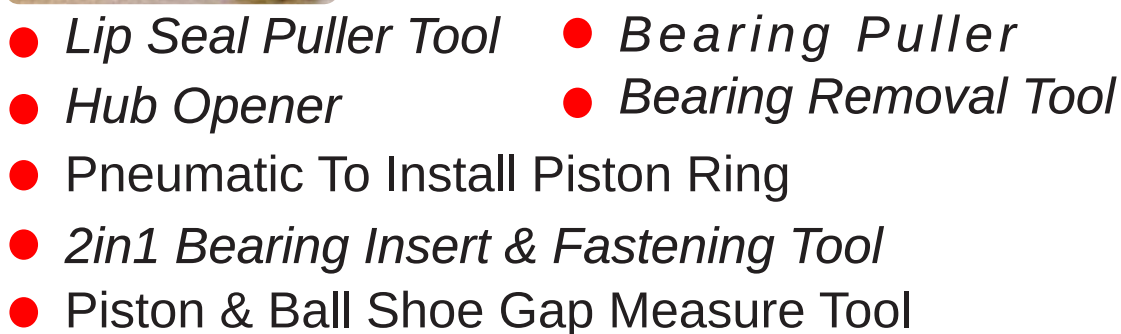




2F, NO. 38, LANE 80, SEC. 3, NAN KANG ROAD, TAIPEI 11570 TAIWAN
TEL :886-2-2785-0600 FAX :886-2-2785-0651
E-MAIL: tsai@johnica.com
<http://www.johnica.com>



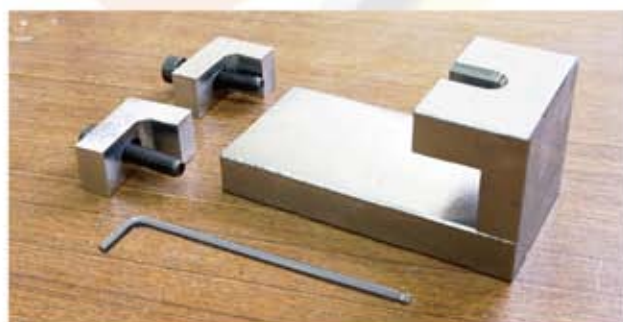
CWV6 / V6

PNEUMATIC MACHINE TO INSTALL PISTON RING



PNEUMATIC MACHINE

AC-8273C



AC-8273A

AC-8273B

AC-6939



Piston Ring



PNEUMATIC MACHINE



AC-8275C



AC-8275A

AC-8275B

AC-4915



Flat Piston Ring

FS10 PNEUMATIC MACHINE INSTALL PISTON RING

PNEUMATIC MACHINE



AC-8277



For Piston Groove

AC-8278C



AC-8278



AC-0718



Flat Piston Ring

PISTON RING INSTALL TOOLS

CWV6 / V6



AC-8273C = AC-8273 + AC-8273A + AC-8279



FIXTURE AC-8273



PISTON RING

Ø26.8x37.2x0.74

AC-6939



TOP

AC-8273A



BOTTOM



T-Handle 2.5mm

Ø26.8x37.2x0.74

CWV/V6/SD7V16/FS10

AC-8279

SD7V16



AC-8275C = AC-8275 + AC-8275A + AC-8279



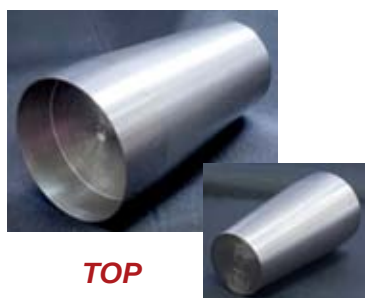
FIXTURE AC-8275



PISTON RING

Ø22.75x2.63x0.8

AC-4915



TOP

AC-8275A



BOTTOM



T-Handle 2.5mm

Ø26.8x37.2x0.74

CWV/V6/SD7V16/FS10

AC-8279

FS10



AC-8275C = AC-8278 + AC-8278A + AC-8279



FIXTURE AC-8278A



AC-8278

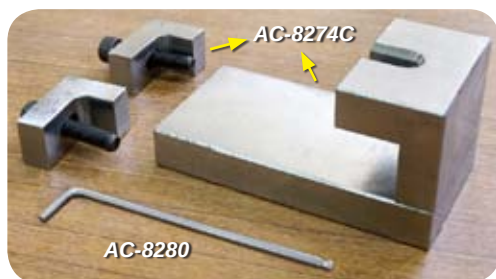
PISTON RING

Ø28.3x16.7x0.8

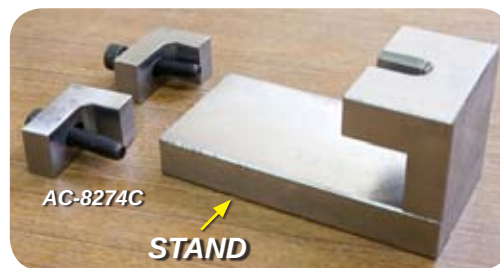
AC-0718

PISTON RING INSTALL TOOLS

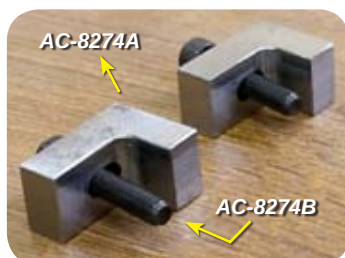
CWV / V6 / SD7V16 STAND ASSEMBLY



AC-8276 = AC-8274 + AC-8280



AC-8274 = AC-8274C + STAND



BLOCK ASSEMBLY

AC-8274C = AC-8274A + AC-8274B



BLOCK x 2PCS / SET

AC-8274A



SCREW x 2PCS / SET

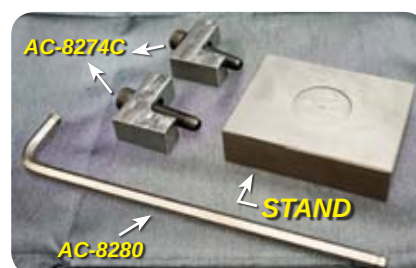
AC-8274B



L-Handle 6mm

AC-8280

FS10 STAND ASSEMBLY



AC-8277 = AC-8274C + STAND + AC-8280

Pneumatic Machine



AC-8272



Air Compressor 1/5HP



AC-8293



JOINT REPAIR TOOL

for Planet Plate Piston



JOHNICA#	Use On
AC-8227	CWV6/SD508 etc.
AC-8228	SD6V12/SD7V16 etc.
AC-8229	SD7H15/SD709 etc.
AC-8231	6CA17C
AC-8232	DCW-17D

PISTON AND BALL SHOE GAP MEASURE TOOL

A/C COMPRESSOR



Use Mitutoyo Indicator
Tool for :

- (A) 10PA / 10S Piston
- (B) 7SB / 7SE / 6SE / 5SE
Piston
- (C) Customized

Piston

10PA15



AC-2955

10PA17C



AC-2905

10PA20C



AC-2925

10S11C



AC-2963

10S13C



AC-29161

10S15C



AC-2964

10S20C



AC-2966

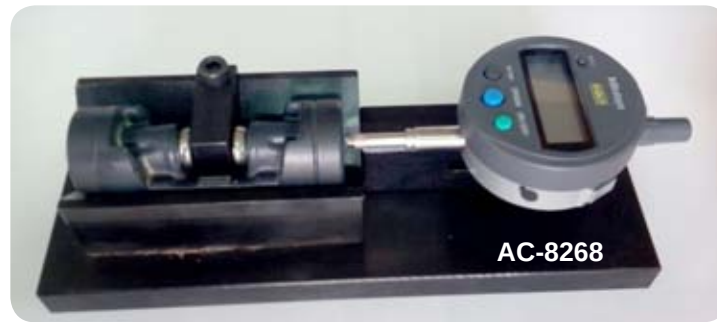
1/2 BALL SHOE



AC-2991S	#0	small
AC-2991	#1	
AC-2992	#2	
AC-2993	#3	
AC-2994	#4	
AC-2995	#5	
AC-2996	#6	
AC-2997	#7	
AC-2998	#8	
AC-2999	#9	
AC-2990	#10	
AC-2990B	#11	Large

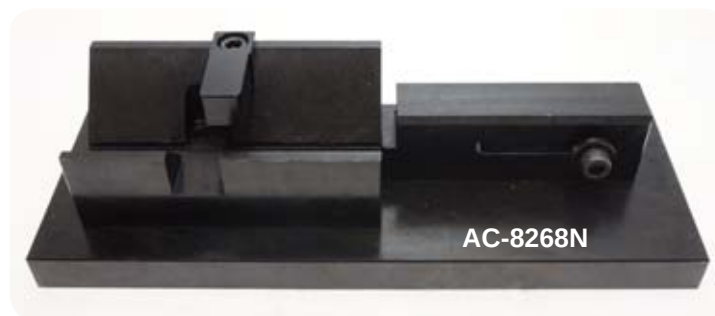
PISTON & BALL SHOE GAP MEASURE TOOL

MEASURE TOOL



MEASURE TOOL

WO/DIGIMATIC



10PA/10S SERIES



Use on AC-2905 (10PA17C)
AC-2955 (10PA15C)
(10S15C/10S17C/10S20C)
AC-8268A

7SB/6SB SERIES



Use on AC-2915 (7SB)
AC-29147 (7SEU)
AC-8268B

5SER09C . 5SE12C

HUB Install & Remove Tools

AC-8202

Remove HUB assembly from compressor .



AC-27145 AC-27148



AC-8202

AC-8202C have two function.



AC-8202C

function 1

AC-27147(dust cover) and AC-27139(hub) are assembled into AC-27148(HUB assembly)



AC-27147

AC-27139



AC-27148

function 2

AC-27148(HUB assembly) dismantling into AC-27147(dust cover) and AC-27139(hub).



AC-27148



AC-27139 AC-27147



CLUTCH SET TOOLS

HUB OPENER FOR 5SE / 6SE / 7SE

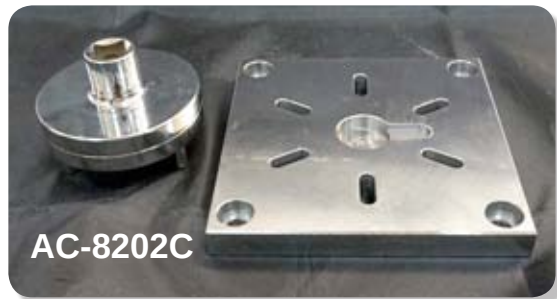
A/C COMPRESSOR PARTS

Variable compressor is the major type now but it is not easy to disassemble its clutch. We have this clutch removal tool which will be helpful for you. Also we can make any customized tools.



CLUTCH HUB Installer / Remover TOOL

5SER09C . 5SE12C



7SEU



6SEU

CWV



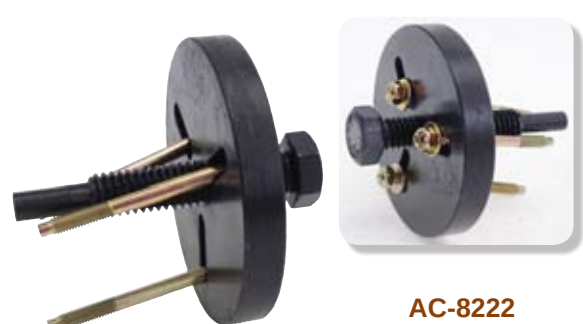
10P13.15.17 / ZEXEL

V5



SD507 / SD508 / SD709 / SD7H15 / SD7V16

6SEU



BEARING REMOVAL TOOL - Pulley

Bearing ID Ø30 mm



Bearing ID Ø32 mm



Bearing ID Ø35 mm



Bearing ID Ø38 mm



Bearing ID Ø40 mm



2in1 INSERT & STAKING TOOL **for AC COMPRESSOR PULLEY BEARING**



NO.	JOHNICA #	B/G Dim.	Application	Page
1	AC-83047	30IDx47OD	SC06SA / SCS06 / SCSA06C / SCS080	16
2	AC-83047A	30IDx47OD	SV06 / SV07	16
3	AC-83052	30IDx52OD	HS18 / 10S / 10PA /10P	16
4	AC-83055	30IDx55OD	FS10 / HS15 / HS18	16
5	AC-83247	32IDx47OD	SS06 / SS07 / PXC14 / DKV07	16
6	AC-83247A	32IDx47OD <i>Special Pulley 6 dots</i>	SS06 / SS07 / PXC14 / DKV07 / PANASONIC	16
7	AC-83255	32IDx55OD	SS120DL / CSV613 / PANASONIC	16
8	AC-83548	35IDx48OD	TRSE / SD	16
9	AC-83550	35IDx50OD	MSC090 / MSC60CAS / TRS090 / HS110R / PANASONIC	16
10	AC-83552	35IDx52OD	SC08 / DCS17E / PXE16 / VS18 / 5SE / 5SER / 6SE / 6SEU / 7SE / 7SEU	16
11	AC-83552A	35IDx52OD <i>12 dots</i>		16
12	AC-83552B	35IDx52OD <i>Special Pulley 6 dots</i>	5TSE10C TOYOTA YARIS...etc	16
13	AC-83555	35IDx55OD	SD5.6.7 / DCS17 / 7SB / 7SE / DKS17 / CWV615 / PANASONIC	17
14	AC-83854	38IDx54OD	10P08E	17
15	AC-84055	40IDx55OD	MSC090	17
16	AC-84057	40IDx57OD	10P	17
17	AC-84058	40IDx58OD	SEIKO-SEIKI	17
18	AC-84062	40IDx62OD	10P13 / SD507 / SD508 / V5 / CWV618	17
19	AC-84066	40IDx66OD	MSC90C / MSC105C	17



2/1 INSTALL & STAKING TOOLS for PULLEY BEARING

Special
Bearing + steel frame use



6 dots
AC-83552B



Hydraulic Machine



For Late Model
Fiber (plastic) pulley with steel frame
5TSE10C TOYOTA YARIS ...etc

2in1 INSERT & STAKING TOOL - Pulley Bearing

30ID x 47OD

6 Dots



AC-83047

SC06SA / SCS06 / SCSA06C /
SCS080

30ID x 47OD

6 Dots

Speacial



AC-83047A

SV06 / SV07

30ID x 52OD

6 Dots



AC-83052

HS18 / 10S / 10PA / 10P

30ID x 55OD

6 Dots



AC-83055

FS10 / HS15 / HS18

32ID x 47OD



AC-83247

SS06 / SS07 / PXC14 / DKV07

32ID x 47OD

6 Dots

Speacial



AC-83247A

PANASONIC

32ID x 55OD

6 Dots



AC-83255

SS120DL / CSV613 /
PANASONIC

35ID x 48OD



AC-83548

TRSE / SD

35ID x 50OD

6 Dots



AC-83550

MSC090 / MSC60CAS / TRS090 /
HS110R / PANASONIC

35ID x 52OD

6 Dots



AC-83552

SC08 / DCS17E / PXE16 /
VS18 / 7SB / 7SBU

35ID x 52OD

12 Dots



AC-83552A

5SE / 5SER / 6SE / 6SEU /
7SE / 7SEU / TSE

35ID x 52OD

6 Dots

Speacial



AC-83552B

5TSE

2in1 INSERT & STAKING TOOL - Pulley Bearing

35ID x 55OD

6 Dots



AC-83555

SD7H15 / 7SB / 7SE / SD507
/ SD508 / SD6V12 / DKS17 /
CWV615M / PANASONIC

38ID x 54OD

6 Dots



AC-83854
10P08E

40ID x 55OD

6 Dots



AC-84055
MITSUBISHI

40ID x 57OD

6 Dots



AC-84057
AUDI / HIACE / DAEWOO

40ID x 58OD

6 Dots



AC-84058
SEIKO-SEIKI

40ID x 62OD

6 Dots



AC-84062
10P13 / SD507 / SD508
/ V5 / CWV618

40ID x 66OD

6 Dots



AC-84066
MSC90C

BLIND HOLE BEARING PULLER

6001 Bearing

Front Housing



BUS SCROLL



【45 mmID bearing】

MSC090 SCROLL



【28 mmID bearing】

TRS090 SCROLL



【35 mmID bearing】

NO.	JOHNICA NO	BEARING ID
1	AC-8251	Ø18
2	AC-8252	Ø25
3	AC-8253	Ø28
4	AC-8254	Ø35
5	AC-8255	Ø45

Blind Hole Bearing Puller and Part Tools for MSC090 / TR090 6001 Bracket Bearing



MSC090 SCROLL



AC-8253C



AC-8253



AC-8252A 12mmID
6001 bearing use



AC-8253A 28mmID
MSC090 use



AC-8254A 35mmID
TRS090 use



6001 Bearing

AC-8252C



AC-8252

take off seal



TRS090 SCROLL



AC-8254C



AC-8281C (for ID20xOD42xW12)



AC-8267C (for Coil)



AC-8265C (for ID17xOD35xW10)



BEARING PULLER for Scroll Compressor

MSC090 SCROOL



AC-8253C = AC-8253 + AC-8261 + AC-8263

SPANNER



AC-8261



AC-8269



AC-8253



28mmID
AC-8253A



35mmID
AC-8254A

MSC090 use

TRS090 use

TRS090 SCROOL



AC-8254C = AC-8254 + AC-8262 + AC-8261 + AC-8263

SPANNER



AC-8262



AC-8261



AC-8254



AC-8263

BEARING PULLER *for 6001 bearing*

6001 BEARING	SPANNER
 AC-8252 AC-8261 AC-8266 AC-8269 AC-8252C = AC-8252 + AC-8261 + AC-8266 + AC-8269	 AC-8261  AC-8266
6001 bearing use  AC-8252  12mmID AC-8252A	 AC-8269

BEARING PULLER for HYBRID Compressor & Coil

ES18 BEARING



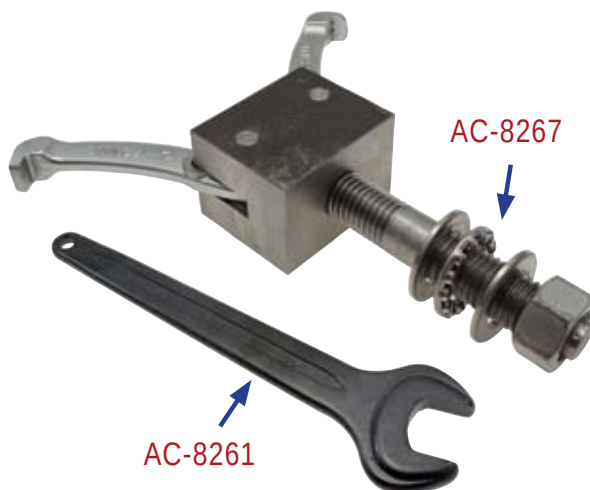
AC-8265C = AC-8265 + AC-8261 + AC-8264 + AC-8263



SPANNER



ES18 COIL PULLER



AC-8267C = AC-8267 + AC-8261

SPANNER



LIP SEAL PULLER TOOL

PANASONIC



23OD X 12.7ID X 15ID-shaft

MSC90C / MSC60



SD505 / SD507



10PA



SD7V16



10S



V5



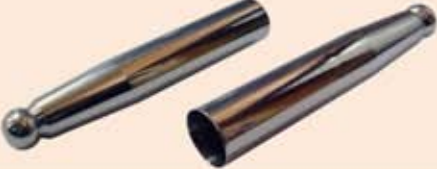
5SL12C SOCKET



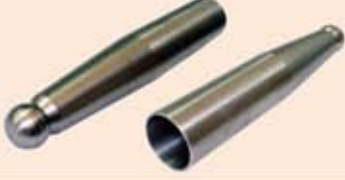
5SER09C HOUSING SOCKET



PROTECTOR SLEEVE for LIP SEAL

NO.	JOHNICA NO.	PHOTO	Used on
1	AC-8204		FS10
2	AC-8206		SD7H15
3	AC-8207		10S
4	AC-8208		TR090
5	AC-8209		MSC090
6	AC-8210		HS110
7	AC-8211		7SBU / 7SB
8	AC-8212		7SEU / 6SEU
9	AC-8213		SEIKO SEIKI SS96

PROTECTOR SLEEVE for LIP SEAL

NO.	JOHNICA NO.	PHOTO	Used on
10	AC-8214		SD7H15
11	AC-8215		10PA
12	AC-8216		V5
13	AC-8239		SD7V16
14	AC-8240		DCW-17D
15	AC-8241		CWV618
16	AC-8242		10P
17	AC-8243		Panasonic

PROTECTOR-LIP SEAL



10PA / 10S AC-8205

TORQUE WRENCH



DCS17E / 6SEU / 7SEU
/ 10PA / 10P / VS ...etc AC-9901

SCRIBER



AC-8225

O-RING PULLER



AC-8233



TORQUE WRENCH

for measuring HUB torque

DCS17E, 6SEU, 7SEU, 10PA, 10P, VS ...etc



AC-9901

1/2" Drive 42NM-210NM
<4.24 Kgm-21.21 Kgm>



DCS17E



M.BENZ



M.BENZ



10PA