▶ Time Based Maintenance (AS 7P(A))

Running(STD) : 2,000hrs @1year

AIREND : NK31

7HP	STEP 1				STEP 2				STEP 3				STEP 4			
	Every 1 year or 2,000hrs			C77090001	Every 2 year or 8,000hrs			C77090002	Every 3~4years or 14,000hrs			C77090003	Every 5year~ or 20,000hrs			C77090004
					Step #1			C77090001	Step #1			C77090001				
Mechanical Parts	Cooler Inspect/Cleaning Oil leak check Control hose set Inspect/replace as needed				Suction valve kit Oil recovery viewer (A Model Only)			C113606 C9070001	Lip seal kit MPV service kit Bypass valve kit Safety valve			C110994 C113588 C127405 C6010026	AIREND Overhaul kit Suction valve Assy' Combi-cooler			C124427 C116973 AC317467
Electrical Parts									Solenoid valve *Motor bearings (every 20,000hrs) Re-tight (electric componet)			C110769	Fan assembly Magnetic contactor Pressure sensor Temperature sensor			C5020034 C4020003 C4050013
Consumable Parts	Air filter Oil filter AOS (Spin-on) Oil (4L * 1ea) Belt (3V-450) (9Bar)* (set)			C109213 C3030001 C3010001 C5010043 C1010038	Flushing Oil			C5010031					※ MICOM. (Controller)			C8010047

☐ Black color : TBM items that require consumables

☐ Blue color : Items in blue are conditions based items. Order separately

☐ Orange color : Actions that need to be performed, but no consumables

▶ Time Based Maintenance (AS 10P(A))

Running(STD) : 2,000hrs @1year

*AIREND : EV03

10HP	STEP 1				STEP 2				STEP 3				STEP 4			
	Every 1 year or 2,000hrs			C77090006	Every 2 year or 8,000hrs			C77090007	Every 3~4years or 14,000hrs			C77090008	Every 5year~ or 20,000hrs			C77090009
					Step #1			C77090006	Step #1			C77090006				
Mechanical Parts	Cooler Inspect/Cleaning Oil leak check Control hose set Inspect/replace as needed				Suction valve kit Oil recovery viewer (A Model Only)			C113960 C9070001	Lip seal kit MPV service kit Bypass valve kit Safety valve			C162038 C115184 C7300004 C6010026	AIREND Overhaul kit Suction valve Assy' Combi-cooler			C162041 C165986 AC317467
Electrical Parts									Solenoid valve *Motor bearings (every 20,000hrs) Re-tight (electric componet)			C110752	Fan assembly Magnetic contactor Pressure sensor Temperature sensor			C5020034 C4020003 C4050013
Consumable Parts	Air filter (New) Oil filter AOS (Spin-on) Oil (4L * 2ea) Belt (3V-450) (9Bar)* (set)			C37236 C102979 C3010001 C5010043 C1010038	Flushing Oil			C5010031					※ MICOM. (Controller)			C8010047

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☐ Orange color : Actions that need to be performed, but no consumables

▶ Time Based Maintenance (AS 15P)

Running(STD) : 2,000hrs @1year

*AIREND : EV03

15HP	STEP 1				STEP 2				STEP 3				STEP 4			
	Every 1 year or 2,000hrs			C77090011	Every 2 year or 8,000hrs			C77090012	Every 3~4years or 14,000hrs			C77090013	Every 5year~ or 20,000hrs			C77090014
					Step #1			C77090011	Step #1			C77090011				
Mechanical Parts	Cooler Inspect/Cleaning Oil leak check Control hose set Inspect/replace as needed				Suction valve kit Oil recovery viewer (A Model Only)			C113960 C9070001	Lip seal kit MPV service kit Bypass valve kit Safety valve			C162038 C115184 C7300004 C6010026	AIREND Overhaul kit Suction valve Assy' Combi-cooler			C162041 C165986 AC317466
Electrical Parts									Solenoid valve *Motor bearings (every 20,000hrs) Re-tight (electric componet)			C110752	Fan assembly Magnetic contactor Pressure sensor Temperature sensor			C5020035 C4020003 C4050013
Consumable Parts	Air filter (New) Oil filter AOS (Spin-on) Oil (4L * 2ea) Belt (3V-475) (9Bar)* (set)			C37236 C102979 C3010001 C5010043 C1010039	Flushing Oil			C5010031					※ MICOM. (Controller)			C8010047

☐ Black color : TBM items that require consumables

☐ Blue color : Items in blue are conditions based items. Order separately

☐ Orange color : Actions that need to be performed, but no consumables

▶ Time Based Maintenance (AS 20P(A))

Running(STD) : 2,000hrs @1year

*AIREND : EV03

20HP	STEP 1				STEP 2				STEP 3				STEP 4			
	Every 1 year or 2,000hrs			C77090016	Every 2 year or 8,000hrs			C77090017	Every 3~4years or 14,000hrs			C77090018	Every 5year~ or 20,000hrs			C77090019
					Step #1			C77090016	Step #1			C77090016				
Mechanical Parts	Cooler Inspect/Cleaning Oil leak check Control hose set Inspect/replace as needed				Suction valve kit Oil recovery viewer (A Model Only)			C113960 C9070001	Lip seal kit MPV service kit Bypass valve kit Safety valve			C162038 C115184 C7300004 C6010026	AIREND Overhaul kit Suction valve Assy' Combi-cooler			C162041 C165986 AC321117
Electrical Parts									Solenoid valve *Motor bearings (every 20,000hrs) Re-tight (electric componet)			C110752	Fan assembly Magnetic contactor Pressure sensor Temperature sensor			C5020040 C4020003 C4050013
Consumable Parts	Air filter (New) Oil filter AOS (Spin-on) Oil (4L * 2ea) Belt (3V-500) (9Bar)* (set)			C37236 C102979 C3010001 C5010043 C1010039	Flushing Oil			C5010031					※ MICOM. (Controller)			C8010047

☐ Black color : TBM items that require consumables

☐ Blue color : Items in blue are conditions based items. Order separately

☐ Orange color : Actions that need to be performed, but no consumables

▶ Time Based Maintenance (AS 20)-Belt

Running(STD) : 3,000hrs @1year

20HP	Period check	Step #1	Step #2	Step #3	Step #4	Step #5
	Every 1,500hrs	Every 1 year or 3,000hrs	Every 2 year or 9,000hrs	Every 3year or 15,000hrs	Every 4year or 24,000hrs	Every 5 year or 30,000hrs
		C7709026	C7709027	C7709028	C7709029	C7709030
			Step #1 C7709026	Step #1 C7709026	Step #2	Step #3 C7709028
Mechanical Parts	Cooler Inspect/Cleaning Oil leak check Control hose set Inspect/replace as needed		Venting valve service kit C7100001 Bypass valve kit C7300001 Oil recovery viewer C9070001 *Control hose set AC324312 1. Air control line 2. Venting line 3. Oil return line	Lip seal kit (KAI104) C7700001 Venting valve assy. C6050001 MPV service kit C7200001	Suction hose kit AC315143 Oil guage kit (2set) SCA0077 Safety valve C6010024 Pressure guage C4010006 *Conneting pipe set 1. Air delievery pipe AC322731 2. Oil injection AC322729 3. Discharge pipe AC322730	AIREND Overhaul kit KAI104 Rubber mount(AE) kit (2ea) C9040003 Oil cooler AC311750
Electrical Parts				Magnetic contacor (3ea) Eocr (380/440V) C8040027 Fan ocr Re-tight (electric componet)	*Motor bearings (every 20,000hrs) *Cooling fan(Sirocco) C5020097	* Controller (MICOM) C8010047 Pressure sensor C4020003 Temperature sensor C4050013
*VSD	Cleaning					
Consumable Parts	* Oil check (Colar, viscosity)	Element set (Oil excl.) C7010010 Suction filter element C84608 Oil filter C3030003 AOS C3010010 Oil (Mineral) 1Pail C5010042 *Belt (20B) 2,000HR C1010004	Flushing oil C5010047			

☐ Black color : TBM items that require consumables

☐ Blue color : Items in blue are conditions based items. Order separately

☐ Orange color : Actions that need to be performed, but no consumables

▶ Time Based Maintenance (AS 30~40)

Running(STD) : 3,000hrs @1year

30HP	Period check				Step #1				Step #2				Step #3				Step #4				Step #5			
	Every 1,500hrs				Every 1 year or 3,000hrs			C7709026	Every 2 year or 9,000hrs			C7709027	Every 3year or 15,000hrs			C7709028	Every 4year or 24,000hrs			C7709029	Every 5 year or 30,000hrs			C7709030
									Step #1			C7709026	Step #1			C7709026	Step #2				Step #3			C7709028
Mechanical Parts	Cooler Inspect/Cleaning Oil leak check Control hose set Inspect/replace as needed								Venting valve service kit Bypass valve kit Oil recovery viewer *Control hose set 1. Air control line 2. Venting line 3. Oil return line			C7100001 C7300001 C9070002 AC324312	Lip seal kit (KAI104) Coupling (Spider) Venting valve assy. MPV service kit			C7700001 AC312823-1 C6050001 C7200001	Coupling assy. Suction hose kit Oil guage kit (2set) Safety valve Pressure guage *Conneting pipe set 1. Air delievery pipe 2. Oil injection 3. Discharge pipe *Water cooler(flushing) (every 20.000hrs)			AC312823 AC315143 SCA0077 C6010024 C4010006 AC322731 AC322729 AC322730	AIREND Overhaul kit Rubber mount(AE) kit (2ea) Oil cooler			KAI104 C9040003 AC311751
Electrical Parts	Regrease & cleaning (Motor)			C5040001									Magnetic contacor (3ea) Eocr (380/440V) Fan ocr Re-tight (electric componet)			C8040027	*Motor bearings (every 20,000hrs) *Cooling fan(turbo)			C5020111	* Controller (MICOM) Pressure sensor Temperature sensor			C8010047 C4020003 C4050013
*VSD	Cleaning								* Shaft brush (motor NDE)								Fan			130B3699	Control card Power card module			130B1151 130B1926
Consumable Parts	* Oil check (Colar, viscosity)				Element set (Oil excl.) Suction filter element Oil filter AOS Oil (Mineral) 1Pail			C7010010 C3020005 C3030003 C3010010 C5010042	Flushing oil			C5010047												

☐ Black color : TBM items that require consumables

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☐ Orange color : Actions that need to be performed, but no consumables

▶ Time Based Maintenance (AS 50)

Running(STD) : 3,000hrs @1year

50HP	Period check				Step #1				Step #2				Step #3				Step #4				Step #5			
	Every 1,500hrs				Every 1 year or 3,000hrs			C7709036	Every 2 year or 9,000hrs			C7709037	Every 3year or 15,000hrs			C7709038	Every 4year or 24,000hrs			C7709039	Every 5 year or 30,000hrs			C7709040
									Step #1			C7709036	Step #1			C7709036	Step #2			C7709037	Step #3			C7709038
Mechanical Parts	Cooler Inspect/Cleaning Oil leak check Control hose set Inspect/replace as needed								Venting valve service kit Bypass valve kit Oil recovery viewer *Control hose set 1. Air control line 2. Venting line 3. Oil return line			C7100003 C7300001 C9070003 AC324313	Lip seal kit (Z100) Coupling (Spider) Venting valve assy. MPV service kit Servo cylinder			C7700002 SCMA1005-5 C6050002 C7200002 C7400001	Coupling assy. Suction hose kit Oil guage kit (2set) Safety valve Pressure guage *Conneting pipe set 1. Air delievery pipe 2. Oil injection 3. Discharge pipe *Water cooler(flushing) (every 20.000hrs)			SCA05020 AC318948 SCA0077 C6010027 C4010006 AC322792-1 AC322791 AC322790	AIREND Overhaul kit Rubber mount kit (6ea) Oil cooler			Z100 C9040001 AC311418
Electrical Parts	Regrease & cleaning (Motor)			C5040001									Magnetic contacor (3ea) Eocr (380/440V) Fan ocr Re-tight (electric componet)			C8040027	*Motor bearings (every 20,000hrs) *Cooling fan(Sirocco)			C5020093	* Controller (MICOM) Pressure sensor Temperature sensor			C8010055 C4020003 C4050013
*VSD	Cleaning								* Shaft brush (motor NDE)								Fan			130B4294	Control card Inrush SCR/diode Power card module			130B1151 130B2449 130B1938
Consumable Parts	* Oil check (Colar, viscosity)				**Element set (Oil excl.)** Suction filter element Oil filter AOS **Oil (Mineral) 1Pail**			**C7010010** C3020006 C3030003 C3010010 **C5010042**	Flushing oil			C5010047												

☐ **Black color : TBM items that require consumables**

☐ **Blue color : Items in blue are conditions based items. Order separately**

☐ **Orange color : Actions that need to be performed, but no consumables**

▶ Time Based Maintenance (AS 75)

Running(STD) : 3,000hrs @1year

75HP	Period check				Step #1				Step #2				Step #3				Step #4				Step #5			
	Every 1,500hrs				Every 1 year or 3,000hrs			C7709041	Every 2 year or 9,000hrs			C7709042	Every 3year or 15,000hrs			C7709043	Every 4year or 24,000hrs			C7709044	Every 5 year or 30,000hrs			C7709045
									Step #1			C7709041	Step #1			C7709041	Step #2			C7709042	Step #3			C7709043
Mechanical Parts	Cooler Inspect/Cleaning Oil leak check Control hose set Inspect/replace as needed								Venting valve service kit Bypass valve kit Oil recovery viewer *Control hose set 1. Air control line 2. Venting line 3. Oil return line			C7100003 C7300002 C9070004 AC324314	Lip seal kit (Z175) Coupling (Spider) Venting valve assy. MPV service kit Servo cylinder			C7700004 SCMA1005-5 C6050002 C7200003 C7400001	Coupling assy. Suction hose kit Oil guage kit (2set) Safety valve Pressure guage *Conneting pipe set 1. Air delievery pipe 2. Oil injection 3. Discharge pipe *Water cooler(flushing) (every 20.000hrs)			SCA05020 AC318950 SCA0077 C6010014 C4010006 AC322648 AC322646 AC322647-2	AIREND Overhaul kit Rubber mount kit (6ea) Oil cooler			Z175 C9040001 AC311752
Electrical Parts	Regrease & cleaning (Motor)			C5040001									Magnetic contacor (3ea) Eocr (380/440V) Fan ocr Re-tight (electric componet)			C8040028	*Motor bearings (every 20,000hrs) *Cooling fan(Sirocco)			C5020093	* Controller (MICOM) Pressure sensor Temperature sensor			C8010047 C4020003 C4050013
***VSD**	Cleaning								* Shaft brush (motor NDE)								Fan			130B4292	Control card Thyristor Power card module			130B1151 130B2449 130B1936
Consumable Parts	* Oil check (Colar, viscosity)				**Element set (Oil excl.)** Suction filter element Oil filter AOS **Oil (Mineral) 3Pail**			C7010014 C3020007 C3030004 C3010022 C5010042	Flushing oil			C5010047												

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☐ **Orange color : Actions that need to be performed, but no consumables**

▶ Time Based Maintenance (AS100)

Running(STD) : 3,000hrs @1year

100HP	Period check				Step #1				Step #2				Step #3				Step #4				Step #5			
	Every 1,500hrs				Every 1 year or 3,000hrs			C7709046	Every 2 year or 9,000hrs			C7709047	Every 3year or 15,000hrs			C7709048	Every 4year or 24,000hrs			C7709049	Every 5 year or 30,000hrs			C7709050
									Step #1			C7709046	Step #1			C7709046	Step #2			C7709047	Step #3			C7709048
Mechanical Parts	Cooler Inspect/Cleaning Oil leak check Control hose set Inspect/replace as needed								Venting valve service kit Bypass valve kit Oil recovery viewer *Control hose set 1. Air control line 2. Venting line 3. Oil return line			C7100003 C7300002 C9070004 AC324314	Lip seal kit (Z100) Coupling (Spider) Venting valve assy. MPV service kit Servo cylinder			C7700002 SCMA1005-5 C6050002 C7200003 C7400001	Coupling assy. Suction hose kit Oil guage kit (2set) Safety valve Pressure guage *Conneting pipe set 1. Air delievery pipe 2. Oil injection 3. Discharge pipe *Water cooler(flushing) (every 20.000hrs)			SCA05020 AC318950 SCA0077 C6010014 C4010006 AC322648 AC322646 AC322647-2	AIREND Overhaul kit Rubber mount kit (6ea) Oil cooler			Z100 C9040001 AC311752
Electrical Parts	Regrease & cleaning (Motor)			C5040001									Magnetic contacor (3ea) Eocr (380/440V) Fan ocr Re-tight (electric componet)			C8040028	*Motor bearings (every 20,000hrs) *Cooling fan(Sirocco) 2ea			C5020093	* Controller (MICOM) Pressure sensor Temperature sensor			C8010047 C4020003 C4050013
*VSD	Cleaning								* Shaft brush (motor NDE)								Fan			130B4294	Control card Thyristor Power card module			130B1151 130B2449 130B1939
Consumable Parts	* Oil check (Colar, viscosity)				Element set (Oil excl.) Suction filter element Oil filter AOS Oil (Mineral) 3Pail			C7010014 C3020007 C3030004 C3010022 C5010042	Flushing oil			C5010047												

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▶ Time Based Maintenance (AS100)

Running(STD) : 3,000hrs @1year

100HP	Period check				Step #1				Step #2				Step #3				Step #4				Step #5			
	Every 1,500hrs				Every 1 year or 3,000hrs			C7709046	Every 2 year or 9,000hrs			C7709047	Every 3year or 15,000hrs			C7709048	Every 4year or 24,000hrs			C7709049	Every 5 year or 30,000hrs			C7709050
									Step #1			C7709046	Step #1			C7709046	Step #2			C7709047	Step #3			C7709048
Mechanical Parts	Cooler Inspect/Cleaning Oil leak check Control hose set Inspect/replace as needed								Venting valve service kit Bypass valve kit Oil recovery viewer *Control hose set 1. Air control line 2. Venting line 3. Oil return line			C7100003 C7300002 C9070004 AC324314	Lip seal kit (Z200) Coupling (Spider) Venting valve assy. MPV service kit Servo cylinder			C7700005 SCMA1006-5 C6050002 C7200003 C7400001	Coupling assy. Suction hose kit Oil guage kit (2set) Safety valve Pressure guage *Conneting pipe set 1. Air delievery pipe 2. Oil injection 3. Discharge pipe *Water cooler(flushing) (every 20.000hrs)			AC313896 AC318950 SCA0077 C6010014 C4010006 AC319749 AC323113 AC323111	AIREND Overhaul kit Rubber mount kit (6ea) Oil cooler			Z200 C9040001 AC311752
Electrical Parts	Regrease & cleaning (Motor)			C5040001									Magnetic contacor (3ea) Eocr (380/440V) Fan ocr Re-tight (electric componet)			C8040028	*Motor bearings (every 20,000hrs) *Cooling fan(Sirocco) 2ea			C5020093	* Controller (MICOM) Pressure sensor Temperature sensor			C8010047 C4020003 C4050013
*VSD	Cleaning								* Shaft brush (motor NDE)								Fan			130B4294	Control card Thyristor Power card module			130B1151 130B2449 130B1939
Consumable Parts	* Oil check (Colar, viscosity)				Element set (Oil excl.) Suction filter element Oil filter AOS Oil (Mineral) 3Pail			C7010014 C3020007 C3030004 C3010022 C5010042	Flushing oil			C5010047												

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▶ Time Based Maintenance (AS150)

Running(STD) : 3,000hrs @1year

150HP	Period check				Step #1				Step #2				Step #3				Step #4				Step #5			
	Every 1,500hrs				Every 1 year or 3,000hrs			C7709056	Every 2 year or 9,000hrs			C7709057	Every 3year or 15,000hrs			C7709058	Every 4year or 24,000hrs			C7709059	Every 5 year or 30,000hrs			C7709060
									Step #1			C7709056	Step #1			C7709056	Step #2			C7709057	Step #3			C7709058
Mechanical Parts	Cooler Inspect/Cleaning Oil leak check Control hose set Inspect/replace as needed								Venting valve service kit Bypass valve kit Oil recovery viewer *Control hose set 1. Air control line 2. Venting line 3. Oil return line			C7100003 C7300002 C9070004 AC324315	Lip seal kit (Z200G) Coupling (Spider) Venting valve assy. MPV service kit Servo cylinder			C7700002 SCMA1006-5 C6050002-1 C7200004 C7400001	Coupling assy. Suction hose kit Oil guage kit (2set) Safety valve set (2ea) Pressure guage *Conneting pipe set 1. Air delievery pipe 2. Oil injection 3. Discharge pipe *Water cooler(flushing) (every 20.000hrs)			AC313896 AC318951 SCA0077 C6070009 C4010006	AIREND Overhaul kit Rubber mount kit (6ea) Oil cooler			Z200G C9040007 AC311432
Electrical Parts	Regrease & cleaning (Motor)			C5040001									Magnetic contacor (3ea) Eocr (380/440V) Fan ocr Re-tight (electric componet)			C8040027	*Motor bearings (every 20,000hrs) *Cooling fan(Sirocco)			C5020093	* Controller (MICOM) Pressure sensor Temperature sensor			C8010047 C4020003 C4050013
*VSD	Cleaning								* Shaft brush (motor NDE)								Fan			176F3164	Control card Inrush SCR/diode Power card module			130B1151 176F3517 176F3511
Consumable Parts	* Oil check (Colar, viscosity)				Element set (Oil excl.) Suction filter element Oil filter AOS Oil (Mineral) 4 Pail			C701 0008 C3020008 C303 0004 C301 0007 C5010042	Flushing oil			C5010047												

☐ **Black color : TBM items that require consumables**

☐ **Blue color : Items in blue are conditions based items. Order separately**

☐ **Orange color : Actions that need to be performed, but no consumables**

▶ Time Based Maintenance (AS200)

Running(STD) : 3,000hrs @1year

200HP	Period check				Step #1				Step #2				Step #3				Step #4				Step #5			
	Every 1,500hrs				Every 1 year or 3,000hrs			C7709061	Every 2 year or 9,000hrs			C7709062	Every 3year or 15,000hrs			C7709063	Every 4year or 24,000hrs			C7709064	Every 5 year or 30,000hrs			C7709065
									Step #1			C7709061	Step #1			C7709061	Step #2			C7709062	Step #3			
Mechanical Parts	Cooler Inspect/Cleaning Oil leak check Control hose set Inspect/replace as needed								Venting valve service kit Bypass valve kit Oil recovery viewer *Control hose set 1. Air control line 2. Venting line 3. Oil return line			C7100003 C7300002 C9070004 AC324315	Lip seal kit (Z200) Coupling (Spider) Venting valve assy. MPV service kit Servo cylinder			C7700005 SCMA1006-5 C6050002-1 C7200004 C7400001	Coupling assy. Suction hose kit Oil guage kit (2set) Safety valve set (2ea) Pressure guage *Conneting pipe set 1. Air delievery pipe 2. Oil injection 3. Discharge pipe *Water cooler(flushing) (every 20.000hrs)			AC313896 AC318952 SCA0077 C6070009 C4010006	AIREND Overhaul kit Rubber mount kit (6ea) Oil cooler			Z200 C9040007 AC311432
Electrical Parts	Regrease & cleaning (Motor)			C5040001									Magnetic contacor (3ea) Eocr (380/440V) Fan ocr Re-tight (electric componet)			C8040027	*Motor bearings (every 20,000hrs) *Cooling fan(Sirocco)			C5020093	* Controller (MICOM) Pressure sensor Temperature sensor			C8010047 C4020003 C4050013
*VSD	Cleaning								* Shaft brush (motor NDE)								Fan			176F3164	Control card Inrush SCR/diode Power card module			130B1151 176F3517 176F3511
Consumable Parts	* Oil check (Colar, viscosity)				Element set (Oil excl.) Suction filter element Oil filter (2ea) AOS Oil (Mineral) 5 Pail			C701 0009 C3020009 C302 0004 C301 0008 C5010042	Flushing oil			C5010047												

☐ **Black color : TBM items that require consumables**

☐ **Blue color : Items in blue are conditions based items. Order separately**

☐ **Orange color : Actions that need to be performed, but no consumables**

▶ Time Based Maintenance (AS200)

Running(STD) : 3,000hrs @1year

200HP	Period check				Step #1				Step #2				Step #3				Step #4				Step #5			
	Every 1,500hrs				Every 1 year or 3,000hrs			C7709061	Every 2 year or 9,000hrs			C7709062	Every 3year or 15,000hrs			C7709063	Every 4year or 24,000hrs			C7709064	Every 5 year or 30,000hrs			C7709065
									Step #1			C7709061	Step #1			C7709061	Step #2			C7709062	Step #3			
Mechanical Parts	Cooler Inspect/Cleaning Oil leak check Control hose set Inspect/replace as needed								Venting valve service kit Bypass valve kit Oil recovery viewer *Control hose set 1. Air control line 2. Venting line 3. Oil return line			C7100003 C7300002 C9070004 AC324315	Lip seal kit (Z200) Coupling (Spider) Venting valve assy. MPV service kit Servo cylinder			C7700005 SCMA1006-5 C6050002-1 C7200004 C7400001	Coupling assy. Suction hose kit Oil guage kit (2set) Safety valve set (2ea) Pressure guage *Conneting pipe set 1. Air delievery pipe 2. Oil injection 3. Discharge pipe *Water cooler(flushing) (every 20.000hrs)			AC313896 AC318952 SCA0077 C6070009 C4010006	AIREND Overhaul kit Rubber mount kit (6ea) Oil cooler			Z200 C9040007 AC311432
Electrical Parts	Regrease & cleaning (Motor)			C5040001									Magnetic contacor (3ea) Eocr (380/440V) Fan ocr Re-tight (electric componet)			C8040027	*Motor bearings (every 20,000hrs) *Cooling fan(Sirocco)			C5020093	* Controller (MICOM) Pressure sensor Temperature sensor			C8010047 C4020003 C4050013
*VSD	Cleaning								* Shaft brush (motor NDE)								Fan			176F3164	Control card Inrush SCR/diode Power card module			130B1151 176F3517 176F3511
Consumable Parts	* Oil check (Colar, viscosity)				Element set (Oil excl.) Suction filter element Oil filter (2ea) AOS Oil (Mineral) 5 Pail			C701 0009 C3020009 C302 0004 C301 0008 C5010042	Flushing oil			C5010047												

☐ **Black color : TBM items that require consumables**

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☐ **Orange color : Actions that need to be performed, but no consumables**

▶ Time Based Maintenance (AS201K=AS 100*2)

Running(STD) : 3,000hrs @1year

200HP	Period check				Step #1				Step #2				Step #3				Step #4				Step #5			
	Every 1,500hrs				Every 1 year or 3,000hrs			C7709061	Every 2 year or 9,000hrs			C7709062	Every 3year or 15,000hrs			C7709063	Every 4year or 24,000hrs			C7709064	Every 5 year or 30,000hrs			C7709065
									Step #1			C7709061	Step #1			C7709061	Step #2			C7709062	Step #3			C7709063
Mechanical Parts	Cooler Inspect/Cleaning Oil leak check Control hose set Inspect/replace as needed								Venting valve service kit Bypass valve kit Oil recovery viewer *Control hose set 1. Air control line 2. Venting line 3. Oil return line			C7100003 C7300002 C9070004 AC324314	Lip seal kit (Z100) Coupling (Spider) Venting valve assy. MPV service kit Servo cylinder			C7700002 SCMA1005-5 C6050002 C7200003 C7400001	Coupling assy. Suction hose kit Oil guage kit (2set) Safety valve Pressure guage *Conneting pipe set 1. Air delievery pipe 2. Oil injection 3. Discharge pipe *Water cooler(flushing) (every 20.000hrs)			SCA05020 AC318950 SCA0077 C6010014 C4010006 AC322648 AC322646 AC322647-2	AIREND Overhaul kit Rubber mount kit (6ea) Oil cooler			Z100 C9040001 AC311752
Electrical Parts	Regrease & cleaning (Motor)			C5040001									Magnetic contacor (3ea) Eocr (380/440V) Fan ocr Re-tight (electric componet)			C8040028	*Motor bearings (every 20,000hrs) *Cooling fan(Multi) 2ea			SCA05001-2	* Controller (MICOM) Pressure sensor Temperature sensor			C8010113 C4020003 C4050013
*VSD	Cleaning								* Shaft brush (motor NDE)								Fan			130B4294	Control card Thyristor Power card module			130B1151 130B2449 130B1939
Consumable Parts	* Oil check (Colar, viscosity)				Element set (Oil excl.) Suction filter element(2ea) Oil filter(2ea) AOS(2ea) Oil (Mineral) 5Pail			C7010014 C3020007 C3030004 C3010022 C5010042	Flushing oil			C5010047												

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▶ Time Based Maintenance (AS300K=AS150*2)

Running(STD) : 3,000hrs @1year

300HP	Period check				Step #1				Step #2				Step #3				Step #4				Step #5			
	Every 1,500hrs				Every 1 year or 3,000hrs			C7709096	Every 2 year or 9,000hrs			C7709097	Every 3year or 15,000hrs			C7709098	Every 4year or 24,000hrs			C7709099	Every 5 year or 30,000hrs			C7709100
									Step #1			C7709096	Step #1			C7709096	Step #2			C7709097	Step #3			C7709098
Mechanical Parts	Cooler Inspect/Cleaning Oil leak check Control hose set Inspect/replace as needed								Venting valve service kit Bypass valve kit Oil recovery viewer *Control hose set 1. Air control line 2. Venting line 3. Oil return line			C7100003 C7300002 C9070004 AC324315	Lip seal kit (Z200G) Coupling (Spider) Venting valve assy. MPV service kit Servo cylinder			C7700002 SCMA1006-5 C6050002-1 C7200004 C7400001	Coupling assy. Suction hose kit Oil guage kit (2set) Safety valve Pressure guage *Conneting pipe set 1. Air delievery pipe 2. Oil injection 3. Discharge pipe *Water cooler(flushing) (every 20.000hrs)			AC313896 AC318951 SCA0077 C6010014 C4010006	AIREND Overhaul kit Rubber mount kit (6ea) Oil cooler			Z200G C9040007 AC311432
Electrical Parts	Regrease & cleaning (Motor)			C5040001									Magnetic contacor (3ea) Eocr (380/440V) Fan ocr Re-tight (electric componet)			C8040027	*Motor bearings (every 20,000hrs) *Cooling fan(Multi) 2ea			SCA15012	* Controller (MICOM) Pressure sensor Temperature sensor			C8010113 C4020003 C4050013
***VSD**	Cleaning								* Shaft brush (motor NDE)								Fan			176F3164	Control card Inrush SCR/diode Power card module			130B1151 176F3517 176F3511
Consumable Parts	* Oil check (Colar, viscosity)				**Element set (Oil excl.)** Suction filter element Oil filter AOS **Oil (Mineral) 8 Pail**			C701 0008 C3020008 C303 0004 C301 0007 C5010042	Flushing oil			C5010047												

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▶ Time Based Maintenance (AS401K=AS 200*2)

Running(STD) : 3,000hrs @1year

400HP	Period check				Step #1				Step #2				Step #3				Step #4				Step #5			
	Every 1,500hrs				Every 1 year or 3,000hrs			C7709101	Every 2 year or 9,000hrs			C7709102	Every 3year or 15,000hrs			C7709103	Every 4year or 24,000hrs			C7709104	Every 5 year or 30,000hrs			C7709105
									Step #1			C7709101	Step #1			C7709101	Step #2			C7709102	Step #3			
Mechanical Parts	Cooler Inspect/Cleaning Oil leak check Control hose set Inspect/replace as needed								Venting valve service kit Bypass valve kit Oil recovery viewer *Control hose set 1. Air control line 2. Venting line 3. Oil return line			C7100003 C7300002 C9070004 AC324315	Lip seal kit (Z200) Coupling (Spider) Venting valve assy. MPV service kit Servo cylinder			C7700005 SCMA1006-5 C6050002-1 C7200004 C7400001	Coupling assy. Suction hose kit Oil guage kit (2set) Safety valve Pressure guage *Conneting pipe set 1. Air delievery pipe 2. Oil injection 3. Discharge pipe *Water cooler(flushing) (every 20.000hrs)			AC313896 AC318951 SCA0077 C6010014 C4010006	AIREND Overhaul kit Rubber mount kit (6ea) Oil cooler			Z200 C9040007 AC311432
Electrical Parts	Regrease & cleaning (Motor)			C5040001									Magnetic contacor (3ea) Eocr (380/440V) Fan ocr Re-tight (electric componet)			C8040027	*Motor bearings (every 20,000hrs) *Cooling fan(Sirocco)			C5020093	* Controller (MICOM) Pressure sensor Temperature sensor			C8010047 C4020003 C4050013
*VSD	Cleaning								* Shaft brush (motor NDE)								Fan			176F3164	Control card Inrush SCR/diode Power card module			130B1151 176F3517 176F3511
Consumable Parts	* Oil check (Colar, viscosity)				Element set (Oil excl.) Suction filter element Oil filter (2ea) AOS Oil (Mineral) 10 Pail			C701 0009 C3030009 C302 0004 C301 0008 C5010042	Flushing oil			C5010047												

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