



Engineering & Commercial Business Development Services

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PARTS LIST – 300-905 – Oct 2008

OEM PARTS SUITABLE FOR ATL TYPE “AT” ON-LOAD TAPCHANGERS

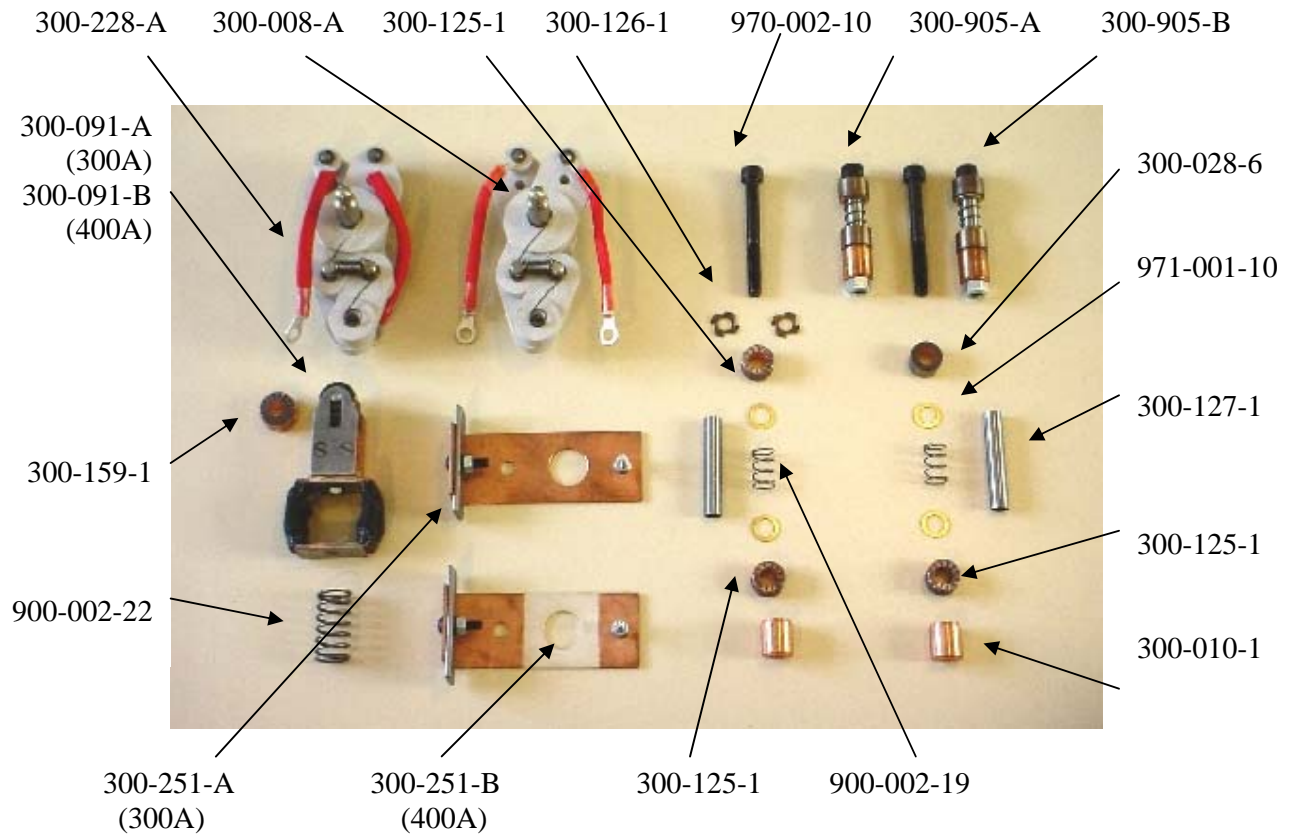
Description	Part No	ATL equiv	Qty-3ph 17 position	Scrap view reference	Drawing ref.	Note
AT 44kV Mk 2&3 gasket	900-001-1	130903-481	1		15	2
AT 66kV Mk 2&3 gasket	900-001-5	130903-86	1		16	2
Fixed Contact Assy (ratchet)	300-905-A	561346-A	51			2
Fixed Contact - main copper	300-010-1	561270-2	51		6	2
Fixed Contact - ratchet arcing	300-125-1	561268-1	51 (102)		2	2, 5
Fixed Contact - plain arcing	300-028-6	313607-6	51		7	5
Spring	900-002-19	020040-162	51		4	
Retaining Screw	970-002-10	9166062	51		8	
Sleeve	300-127-1	561293-1	51		5	
Brass Washer (special)	971-001-10	9405003	102		3	
Ratchet Pawl Spring	300-126-1	562036-2	102		1	
Moving Contact - Main 300A	300-091-A	561281-A	3	A	11	2
Moving Contact - Main 400A	300-091-B	561281-B	3	F	12	
Moving Contact - ratchet arcing	300-159-1	561269	3	G		
Moving Scissor Arm (ratchet)	300-228-A	591801-A	3	E	9	2
Moving Scissor Assy (plain)	300-008-A	571890-B	3	E	10	5
Selector Arm	300-253-A		3	C		
Contact Plate - 300A	300-251-A	561262-A	3	D	17	
Contact Plate - 400A	300-251-B	561262-B	3	D	18	
Contact Spring	900-002-22	020040-162	3			
Geneva Operating Spring Mk1/2	300-777-1		5			
Changeover contact	300-098-1		6		13	
Changeover contact - plated	300-098-2		6		14	
Changeover Selector	300-795-A		3			
Spur Gear	300-443-1		2			
Directional Sequence Switch	300-801-1	CR-4181	1			6
Resistor Assy 2.0 ohm	300-768-A		3	B		7
Resistor Assy 2.5 ohm	300-403-A		3	B		7
Resistor Assy 3.3 ohm	300-834-D	590765-A	3	B		7

Notes:

- OEM parts supplied by Brush Transformers Limited who are the current manufacturer of the Associated Tapchangers Limited (ATL) AT and AE On-Load Tapchanger, and for whom Eng-Com is the Australian agent. Previously sourced via Global Power who have ceased trading.
- Parts recommended for mid-life overhaul of a typical Mk2 AT 317 44/300L
- Refer drawing 300-905 rev 6
- Availability – common maintenance parts usually ex stock Melbourne, supported by stocks from the UK by airfreight approx one week into store, subject to availability.
- Discontinued - ratchet types supplied as a replacement – see Technical Information Sheet – TIS1002
- Used on typical AT MkII – please advise OLTC serial number / CR number to ensure correct type
- Resistors may have other values which are usually marked on the OLTC rating plate. Please advise full transformer details including phase current and step voltage when requesting a quotation.
- Please request a specific quote based on actual quantities required and advise OLTC serial number where known.

PATTERN PARTS SUITABLE FOR ATL TYPE AT ON-LOAD TAPCHANGERS

Numbers refer to Global Power parts numbering system



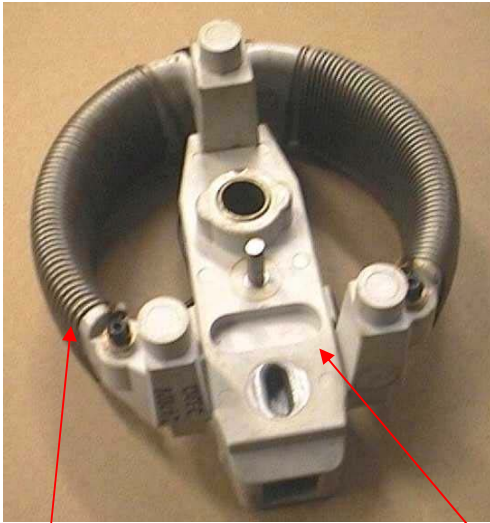
Notes:

1. 300-905-A is assembled on correct pattern bolts so that the customer can just unscrew the nut and assemble straight into the phase board, thus saving time and money. Group B with plain transition arcing contact no longer supplied.
2. Later model tapchangers are fitted with ratchet rollers on the scissor contacts and corresponding fixed transition (outer) contact – see TIS1002 for upgrade of older plain contacts.
3. It is advisable to specify the serial number of the tapchanger(s) when ordering.
4. Full transformer rating information is required when ordering transition resistors to ensure correct resistance and current carrying.

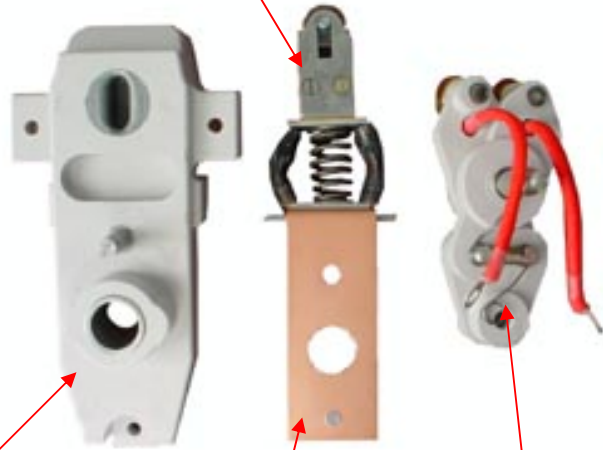
Eng-Com can assist with on-site assessment and service support in Australia.

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SCRAP VIEWS TO ASSIST IN IDENTIFICATION



A - Moving Contact Main 300-091-A



B - Resistor Assy
300-834-D

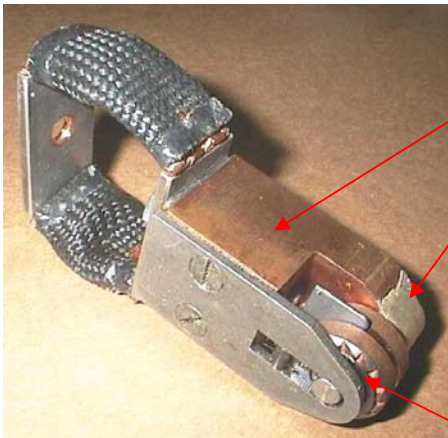
C - Selector Arm
300-253-A

D - Contact Plate
300-251-A/B

E - Moving Scissor Assy
300-008-A/300-228-A

(specify resistance value and current rating)

(see Rating Plate on door - nominal is 3.3 ohm – ideally StepVolts / Phase Current)



F - Moving Contact – Main 400A – 300-091-B
(complete assembly)

(400A has silver main contact nose
300-091A – 300A is plain copper)

G - Moving Contact – ratchet arcing roller – 300-159-1