# **Tanaka**

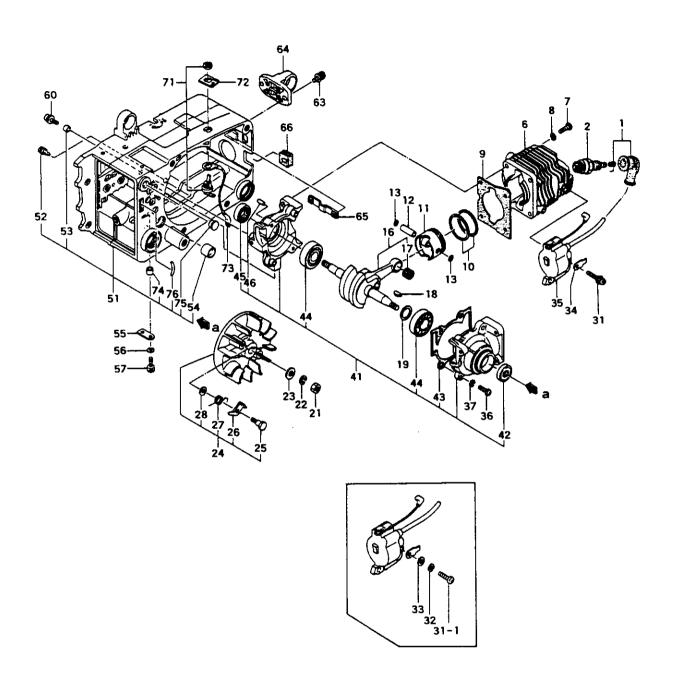
# **Parts Catalog**

## **Chain Saw**

Model: ECS-320

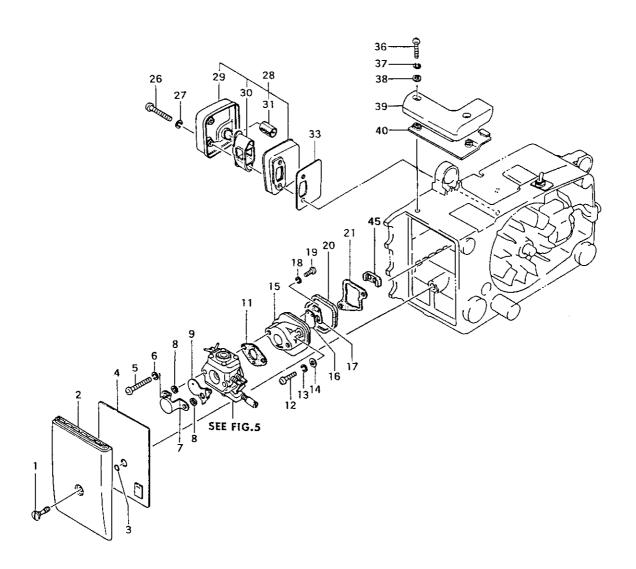
All Units Before Ser. # P078160

## FIG.1 ENGINE



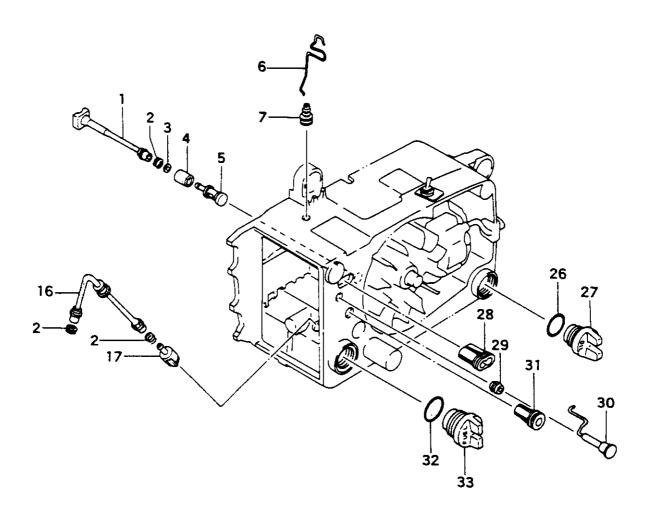
	12	<del></del>	777
REF	NEP PARNER	PARMAME	SERIANER REMARKS
1-001 1-002 1-006 1-006 1-007 1-008	157-11668-900 018-01805-200 002-01730-200 002-01730-201 990-11050-161 992-10050-012	SPARK PLUG CAP ASS'Y SPARK PLUG CJ8 CYLINDER CYLINDER SCREW 5X16	1
1-009 1-010 1-011 1-011 1-012 1-013	017-01730-200 041-01730-200 031-01730-200 031-01730-201 037-01400-200 039-00000-201	PISTON RING PISTON PISTON PISTON PISTON PIN	1 2 1 - N 1 0 1 3 8 3 N 1 0 1 3 8 4 - 1 2 1 2
1-018 1-018 1-017 1-018 1-019 1-019	048-01700-80 999-62091-325 088-10100-200	CRANK SHAFT COMP. CRANK SHAFT COMP. NEEDLE BEARING F-910 WOOD-RUFF KEY 3X13X4.5 CRANK SHAFT SHIM 0.05 CRANK SHAFT SHIM 0.10	1
1-019 1-019 1-021 1-022 1-023 1-024	071-02007-230		V V 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1-025 1-025 1-026 1-027 1-028 1-028		STEP BOLT	2 P -N101383 N101384- 2 2 -N101383 N101384-
1-031,1 1-031 1-032 1-033 1-034 1-035	992-10040-012	HIGH TENSION SCREW 4X18WS S.WASHER 4 SHALL WASHER 4 TAB	2 H H H H H H H H H H H H H H H H H H H
1-036 1-037 1-041 1-041 1-042 1-042	990-11050-251 992-10050-012 072-01730-900 072-01730-90 999-66122-200 999-66122-240	S. WASHER 5 CRANK CASE ASS'Y CRANK CASE ASS'Y OIL SEAL 12227	4 4 1 1 1 1 P H214610 H214610 H214611-
1-043 1-044 1-045 1-046 1-051	999-05250-980	BALL BEARING #6202, 35MM/0D OIL SEAL 15257	1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1-052 1-053 1-054 1-055 1-056	031-32710-210 629-11600-900	TANK INNER CAP ASS'Y HOLDER PLATE B S.WASHER 6	1 2 1 1 2 2 2 M
1-057 1-060 1-063 1-064 1-065 1-066	994-15050-165 994-15040-182 243-32710-201 873-32710-800 203-10000-200	HEX. HOLE BOLT 6X20 SCREW 5X16/PS SCREW 4X18/PS DAMPER REAR STAY HOLDER PLATE A COMP. PRIMARY CORD GRONMET	2 2 2 1 1 1
1-071 1-072 1-073 1-074 1-075 1-076	183-01300-200	GROWHET A	

### FIG.2 MUFFLER & CLEANER



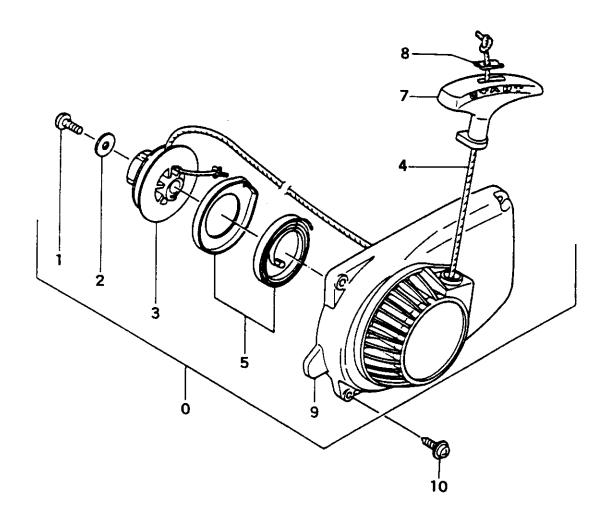
/	-IBR		/// / .5
REF	NER PARTER	PARNAME	SERIANBR REMARKS
2-001 2-002 2-003 2-003 2-004 2-005	170-32710-200   051-32710-200   999-67003-000   999-67003-003	AIR CLEANER BOLT CLEANER COVER A O-RING P-3 I-CLEANER ELEMENT COMP	1
2-006 2-007 2-008 2-009 2-011 2-012	708-32350-200   700-32710-200   402-11850-200	BLOW OVER CHECK BOARD CHOKE VALVE SHIM	2 1 2 1 1 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1
2-013 2-014 2-015 2-016 2-017 2-018	992-10050-012 992-00050-011 404-01730-800 394-01700-200	S.WASHER 5 SMALL WASHER 5 CARBURETOR INSULATOR COMP. REED VALVE REED VALVE HOLDER	2 2 1 1 1 1 1 2 D -L177106
2-019 2-019 2-020 2-021 2-026 2-027	990-11030-121 990-15030-121 409-01700-200	SCREW 3X12 BINDING HEAD SCREW 3X12 CARBURETOR INSULATOR RUBBER INLET MANIFOLD GASKET SCREW 5X35	2   L177106 2   N   L177107-
2-028 2-029 2-030 2-031 2-033 2-036	705-01710-900 717-01712-800 724-01700-200 732-01710-200 737-01700-200	MUFFLER ASS'Y MUFFLER BODY B COMP. MUFFLER FITTING METAL SPARK ARRESTOR MUFFLER GASKET HI-LO SCREW 4X25	
2-037 2-038 2-039 2-040 2-045	152-32710-200 153-32710-200	S.WASHER 4 SMALL WASHER 4 CLEANER COVER B CLEANER COVER C SEAL COVER	2 2 1 1 1 1 N H214611-

### FIG.3 OIL FILTER & PUMP FILTER



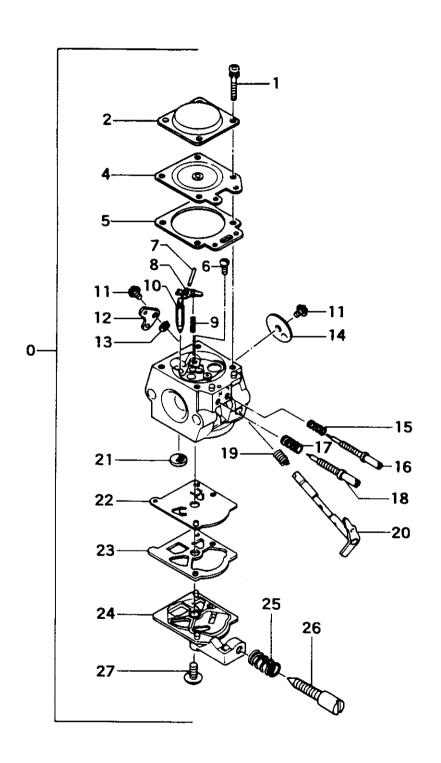
	NER PARTER	PARMAME	SERIALIER SERIALIER	REMARKS
3-001	505-32710-200			
3-002	680-04019-210		[3]	
3-003	992-01050-011		1	
3-004	487-32712-201			
3-005		OIL FILTER BODY		
3-006	490-32710-200	THROTTLE ROD	1	
3-007 3-016 3-017 3-026 3-027 3-028	678-01700-200	PUMP FILTER BODY ASS'Y O-RING P-18 OIL TANK CAP	1 1 1 1 1 1	
3-029 3-030 3-031 3-032 3-033	191-32710-200 999-67020-000	CHOKE BUTTON COMP. GROWNET	1 1 1 1 1	

### FIG.4 RECOIL STARTER



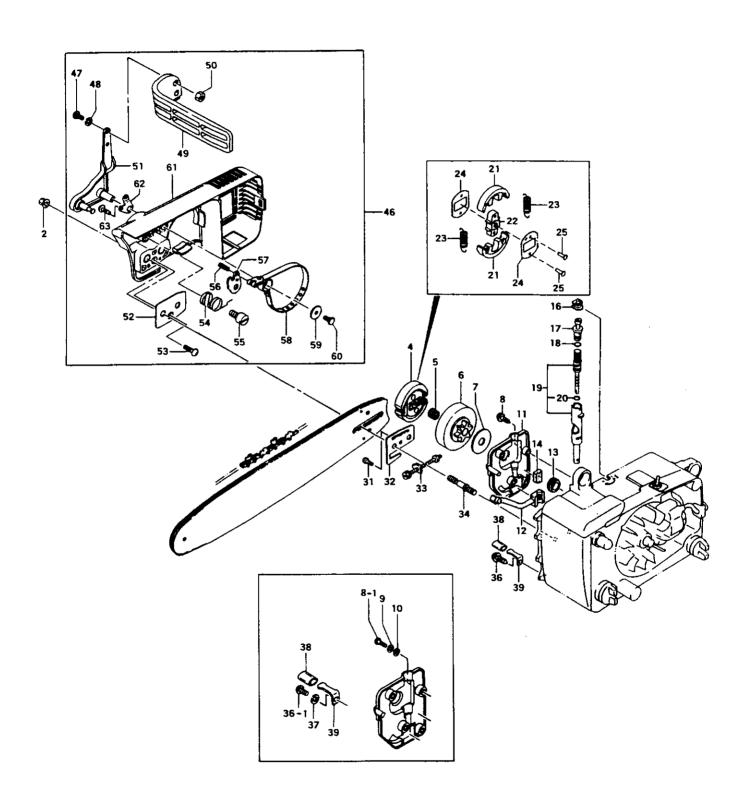
RE	F. NER PARTIER	PARNAME		<u> </u>	SERIANDA REMARKS
4-000		RECOIL STARTER ASS'Y	1		-N101700
4-000		RECOIL STARTER ASS'Y	1	P	N101701-
4-001	990-15050-121		1	1	
4-002		RECOIL STARTER VASHER	1		
4-003		STARTER ROPE REEL	1	l	
4-004	783-01700-201	STARTER ROPE	1		
4-005	778-01700-901	RECOIL SPRING CASE ASS'Y	,		
4-007	785-04063-200		li.		
4-008	795-04063-200		- 1:	1	
4-009	112-01700-801		;		1101700
4-009	112-01700-81		;		-N101700
		· · · · · · · · · · · · · · · · · · ·		P	
4-010	994-15040-182	SURE# 4X18/75	4		-W101700
4-010	990-72045-204	TAPPING SCREW 4.5X20	4	N	N101701-

#### FIG.5 CARBURETOR



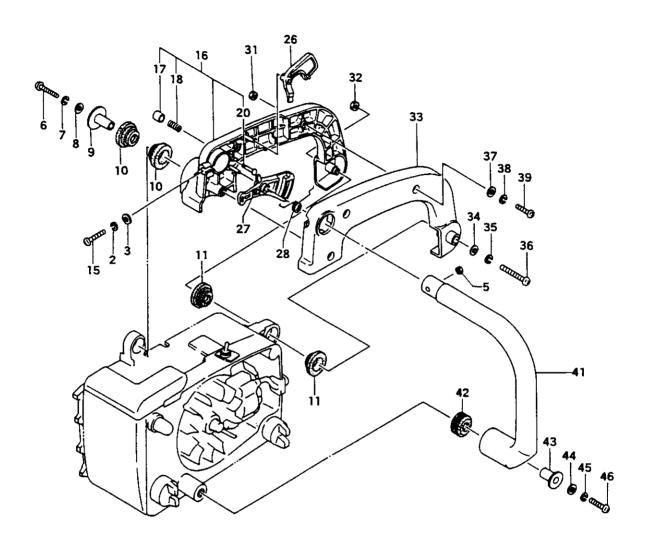
	BR /		/// 5
REF	NEP PARNER	PARNAME	SERIANER REMARKS
5-000 5-000 5-001 5-002 5-004 5-005	455-25045-900 455-25045-90 548-25012-200 476-25004-200 474-25001-800 475-25001-200	CARBURETOR ASS'Y, WT-146 CARBURETOR ASS'Y, WT-146B SET SCREW DIAPHRAGM COVER METERING DIAPHRAGM COMP.	1 P - N101383 1 P N101384 - 4 1 1 1 - N101383
5-005 5-006 5-007 5-008 5-009 5-009	475-25038-200 546-25001-200 605-25001-200 473-25001-200 477-25007-200 477-25013-200	HINGE PIN SET SCREW HINGE PIN VALVE HINGE VALVE SPRING	1 P N101384- 1 1 1 - N101383 1 P N101384-
5-010 5-011 5-012 5-013 5-014 5-015	603-25001-200 467-25003-200 491-25027-200 489-25007-200 488-25001-200 623-25032-200	SHUTTER SCREW THROTTLE LEVER STOP RING THROTTLE VALVE	
5-016 5-017 5-018 5-019 5-020 5-021	461-25027-200 485-25040-200 460-25027-200 486-25040-200 464-25016-800 578-25007-200	HIGH ADJUST SPRING HIGH ADJUST SCREV	
5-022 5-023 5-024 5-025 5-026 5-027	578-25008-200 577-25007-200 575-25028-200 463-25006-200 462-25018-200 514-25001-200	PUMP GASKET PUMP BODY IDLE ADJUST SPRING	

#### FIG.6 OIL PUMP & SIDE CASE



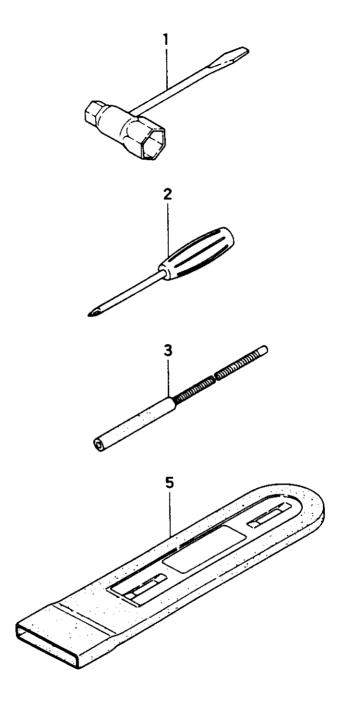
	<u> </u>	<del></del>			- ///	<del></del>
RE	F. NBR PARNET		/	<b>1</b> 9	SERIAN	aR REMARKS
6-002 6-004 6-004 6-005 6-006 6-007	121-32530-20 287-01700-80 287-01700-81 999-62101-30 310-32710-20	O CHAIN BAR CLAMP NUT O CLUTCH COMP.	2 1 1 1 1 1	R		
8-008,1 6-008 6-008 6-009 6-010 8-011	994-16040-12 990-74045-12 992-10040-01	B SMALL SCREW 4X12WS 4 TAPPING SCREW 4.5X12 2 S.WASHER 4 1 SMALL WASHER 4	4 4 4 4 1	N	-H101700 H101701-	
6-011 6-012 6-013 6-014 6-016 6-017	097-32710-20 515-32710-20 084-32710-20 567-01700-20 488-32710-21 501-32710-21	O OIL PIPE A 1 SCREW GEAR O AIR VENT SPONGE D OIL ADJUST GROWNET	1 1 1 1 1 1 1	P	H101701-	
6-018 6-018 6-019 6-019 6-019 6-020	999-67007-00 999-67006-00 088-32710-91 088-3277A-90 088-3277A-91 999-67006-00	O O-RING P-8 O OIL PUMP CASE SET OIL PUMP CASE SET. SPARE OIL PUMP CASE SET. SPARE	1 1 1 1 1 1	P P R	-N182785 N182786-	
8-021 6-022 6-023 6-024 6-024 6-025	348-01700-200	CLUTCH SHOE CLUTCH BOSS CLUTCH SPRING CLUTCH PLATE A CLUTCH PLATE A RIVET 4X14	2 1 2 2 2 2 2	N	-H101000	
6-031 6-032 6-032 6-033 6-034 6-036,1	993-41040-101 486-32710-200 486-32710-21 116-32710-900 101-32530-200 990-11050-121	PLATE PLATE TENSION ADJUSTMENT BOLT ASS'Y CHAIN BAR STUD BOLT	1 1 1 1 2 1	P	- H214610	
6-036 6-037 6-038 6-039 8-046 6-046	992-10050-012   700-07105-020   125-32710-200   040-32719-900	VINYL PIPE	1 1 1 1 1 1	N D	H101701- -H101700 -K100568	
6-047 6-048 6-049 6-050 6-051 6-051	990-11050-181 992-10050-012 380-32719-200 991-01050-011 361-32750-801	SCREW 5X18 S.VASHER 5 BRAKE HANDLE	2 2 1 2 1 1		-K100568 K100569-	
6-052 6-053 6-054 6-055 6-056 6-057	462-32750-200 993-41040-101 374-32367-210 382-32750-200	GUIDE PLATE B SCREW 4X10 BRAKE SPRING STEP BOLT A SPRING PIN 4X12	1 1 1 1 1 1 1	•	-K100568	
6-057 6-058 6-059 6-060 6-061 6-061	373-32771-200 378-32750-800 368-32057-200 383-32367-210 040-32750-800	BRAKE ARM BRAKE BELT COMP. BRAKE SHAFT WASHER	1 1 1 1	N	K100569-	
8-062 6-062 6-062 6-063	359-32771-200 359-32771-200 359-32771-20	CENTER SPRING CENTER SPRING CENTER SPRING SCREW 4X10	1   1	P N I N	K100569- K100569- -M125690 M125691- K100569-	

### FIG.7 HANDLE



	-a		
aet.	NER PARNER	PARWAME	SERIANDER REMARKS
7-002 7-003 7-005 7-005 7-006	992-10040-012   992-01040-011   991-74040-010	S.VASHER 4 VASHER 4 U-NUT 4 NYLON LOCK NUT 4	1 1 -K100568 1 1 I K100569-
7-007 7-008 7-009 7-010 7-011	992-10050-012 992-00050-011 275-32710-201 219-32750-200 219-32710-200	S.VASHER 5 SMALL VASHER 5 DAMPER COLLAR A DAMPER A DAMPER A	
7-015 7-016 7-017 7-018 7-020 7-026	725-32600-202	REAR HANDLE B COMP. PUSH PIN CAP STOPPER SPRING PUSH PIN	
7-027 7-027 7-028 7-031 7-032	060-32710-200 080-32710-20 061-32710-200 991-01040-011 991-01050-011	THROTTLE LEVER THROTTLE LEVER THROTTLE LEVER SPRING HEX. NUT 4 HEX. NUT 5	1 I -N101383 N101384-
7-033 7-034 7-035 7-036 7-037 7-038	992-00050-011 992-10050-012 990-11050-401	SCREW 5X40 SMALL WASHER 4	
7-039 7-041 7-041 7-042 7-043 7-044	990-11040-181 209-32710-200 209-32710-20 266-32750-200 276-32710-201	SCREW 4X18 FRONT HANDLE FRONT HANDLE  DAMPER B DAMPER COLLAR B	3 1 1 1 1 1 1
7-045 7-046	992-10050-011 992-10050-012 990-11050-301		

## FIG.8 TOOLS



REF. HER PARTIES	PARTIAME	SERIANDER REMARKS	5
8-002   862-20000-20 8-003   936-20000-90 8-003   936-20000-90	1 COMBI. BOX SPANNER 10X19 0 PLUS DRIVER 4 0 FILE ASS'Y 5/32" 1 FILE ASS'Y 5/32" 1 CHAIN COVER 12"	1 1 1 I -K045108 1 K045109-	

#### FIG.9 MARKS



Tanaka

MADE IN JAPAN FABRIQUE AU JAPON



#### **WARNING**

Read and follow all safety precautions in the owner's menual. Failure to follow instructions could result in serious injury. Avoid contact of bar tip with any object. This may cause bar of par tip with any object. This may cause par to "KICK DACK" auddenly, which may cause serious injury. Always use two bands to operate the saw. The following ber and chain combinations are approved for reducing kickback: Chain 918G045X and Bar 37269 TANAKA ORECON® Chain 915G-45% and Bar 1205DEA041

-3 - 1

#### WARNING

Read and follow all solety precautions in the owner's manual. Failure to follow instructions could result in serious injury. Avoid contact of bar tip with any object. This may cause bar to "KICK BACK" auddenly, which may cause serious injury. Alwaya use two hands to operate the saw. The following ber and chain combinations are approved for reducing kickback: TANAKA Chain 915G045X and Bar 37296 ORECON® Chain 915G-45E and Bar 1205DEA041

1.1.1-trichloroethane, a substance which harms public health and environment by destroying ozone in the upper atmosphere.

-10

WARNING Manufactured with

REF. NER PA	A NER	PARTAME	SERIANER	REMARKS
9-001   915-3273 9-002, 1   906-3273 9-002   906-3273 9-003, 1   907-3277	0-200 PROFORCE MAR 0-20 STARTER MAR 8-200 NAME PLATE 0-20 NAME PLATE 7-200 CAUTION MAR 7-210 CAUTION MAR	<b>K</b>	1	
9-010 920-0850	A-20 VARNING HARI	t.	1 N N214B11-	