ITEM NO. | DESCRIPTION | QTY.
--- | --- | ---
1 | BEARING HOUSING T/C | 1
2 | T/C REAR MOUNT | 1
3 | LINK T/C | 1
4 | CAROUSEL MOUNTING PLATE | 1
5 | BEARING SPHERICAL ROD END 5/4 LM LH | 2
6 | TOOL CHANGER COVER TC32 | 1
7 | BRACKET DAMPER T/C | 1
8 | DAMPER MOUNT TRIANGULAR | 1
9 | DAMPER ENERTROLS SAIL | 2
10 | SHAFT T/C PIVOT | 1
11 | SHAFT T/C PIVOT SHORT | 1
12 | T/C PILOT WASHER | 2
13 | BEARING HOUSING | 1
14 | AIR CYL 5.0 X 17.50 | 1
15 | GENEVA STAR 32 TOOL 2 PIN | 1
16 | R BRG RAD BALL M15-35-11 | 2
17 | GENEVA DRIVE MTR 37 RPM 90VDC 741N-LBS | 1
18 | T/C CYL SPACER BOTTOM | 1
19 | PROX NC SHUT IN 30 W/ STRN RLF | 1
20 | R BRG TAPR ROLR M30-80-24 | 4
21 | SPACER LINK T/C | 2
22 | NUT 3/4-16 LH JAM | 2
23 | BEARING LOCKNUT BH-06 | 1
24 | SHCS 1/4-20 X 5/8 ZINC PLATED | 3
25 | LOCATING PIN | 1
26 | NUT 3/4-10 NYLON LOCK | 1
27 | WASHER 5/4 FLAT USS PLT | 1
28 | NUT 3/4-16 HEX | 2
29 | WASHER 3/4 SPLT LOCK PLT MED | 2
30 | T/C SEAL SPACER | 4
31 | SEAL 2-500 NATIONAL 473476 3.150D | 4
32 | SPACER RING TOOL CHANGER | 2
33 | TOOL #1 STANDOFF | 1
34 | DOOR T/C COVER | 1
35 | FITG LBO-3/8 X LBO-3/8 X NPT-1/2-M TEE | 1
36 | FITG LBO-5/32 X LBO-3/8-M REDUC | 1
37 | 1-10002 ROD END EYE 3/4 3/4-16 | 1
38 | T/C CYLINDER SPACER, FRONT | 2
39 | COLLAR STOP DAMPER ENERTROLS S136- | 2
40 | VALVE CHECK LBO-1/4 X NPT-1/4-M PILOT | 1
41 | FITG REDUCER NPT-1/2-M X NPT-1/4-F | 1
42 | T/C CYLINDER SPACER TOP | 2
43 | T/C LINK SHAFT | 1
44 | SHLDR BOLR 3/4 X 1 1/2 | 1
45 | NUT 3/4-16 JAM | 1
46 | T/C BRACE | 1
47 | ENCLOSURE TURRET MOTOR | 1

SEE SHEET 2 FOR EXPLODED VIEW AND DETAILS

DETAIL A SCALE 1 : 10

ITEM NO. | DESCRIPTION | QTY.
--- | --- | ---
151 | BORE HOUSING T/C | 1
152 | T/C REAR MOUNT | 1
153 | LINK T/C | 1
154 | CAROUSEL MOUNTING PLATE | 1
155 | BEARING SPHERICAL ROD END 5/4 LM LH | 2
156 | TOOL CHANGER COVER TC32 | 1
157 | BRACKET DAMPER T/C | 1
158 | DAMPER MOUNT TRIANGULAR | 1
159 | DAMPER ENERTROLS SAIL | 2
160 | SHAFT T/C PIVOT | 1
161 | SHAFT T/C PIVOT SHORT | 1
162 | T/C PILOT WASHER | 2
163 | BEARING HOUSING | 1
164 | 1/2 CYL SPACER BOTTOM | 1
165 | PROX NC SHUT IN 30 W/ STRN RLF | 1
166 | R BRG TAPR ROLR M30-80-24 | 4
167 | SPACER LINK T/C | 2
168 | NUT 3/4-16 LH JAM | 2
169 | BEARING LOCKNUT BH-06 | 1
170 | SHCS 1/4-20 X 5/8 ZINC PLATED | 3
171 | LOCATING PIN | 1
172 | NUT 3/4-10 NYLON LOCK | 1
173 | WASHER 5/4 FLAT USS PLT | 1
174 | NUT 3/4-16 HEX | 2
175 | WASHER 3/4 SPLT LOCK PLT MED | 2
176 | T/C SEAL SPACER | 4
177 | SEAL 2-500 NATIONAL 473476 3.150D | 4
178 | SPACER RING TOOL CHANGER | 2
179 | TOOL #1 STANDOFF | 1
180 | DOOR T/C COVER | 1
181 | FITG LBO-3/8 X LBO-3/8 X NPT-1/2-M TEE | 1
182 | FITG LBO-3/4 X LBO-3/4-M REDUC | 1
183 | 1-10002 ROD END EYE 3/4 3/4-16 | 1
184 | T/C CYLINDER SPACER, FRONT | 2
185 | COLLAR STOP DAMPER ENERTROLS S136- | 2
186 | VALVE CHECK LBO-1/4 X NPT-1/4-M PILOT | 1
187 | FITG REDUCER NPT-1/2-M X NPT-1/4-F | 1
188 | T/C CYLINDER SPACER TOP | 2
189 | T/C LINK SHAFT | 1
190 | SHLDR BOLR 3/4 X 1 1/2 | 1
191 | NUT 3/4-16 JAM | 1
192 | T/C BRACE | 1
193 | ENCLOSURE TURRET MOTOR | 1

SEE SHEET 2 FOR EXPLODED VIEW AND DETAILS

DETAIL B SCALE 1 : 10

DESCRIPTION | EFFECTIVE DATE
--- | ---
VR UMBRELLA TOOL CHANGER 32 POCKET 40 TAPER | JUNE-1997

SAP DOC NO./VER: 10000010947/01
CAROUSEL ASSEMBLY 32TL BT

NOTES:
1. COMPONENTS NO.: 3, 6, 7, 8, 10, 16 AND 19 ARE CT CONFIGURATION.
   SEE HAAS SERVICE SITE FOR OTHER REFERENCES ON BT CONFIGURATION

ITEM NO. DESCRIPTION QTY.
1 CAROUSEL 32 TOOL VR-1 1
2 CAROUSEL SUPPORT PLATE 1
3 KEY EXTRACTOR SPRING 32
4 32TL SLNG PNL CVR PIE SHP100/12X12X12" 32
5 BT EXTRACTOR, CAROUSEL TOOL CHANGER 64
6 BUSHING EXTRACTOR 64
7 WASHER 1/4 HARD 1/4ID X 5/8OD X 1/8 THK 64
8 SHCS 10-32 X 5/8 W/LOC 24 THREADS ZINC PL 64
9 SPRING EXTRACTOR HORIZ HS TOOL CHANGER 32
10 NUMBER RING 32 T/C 1
11 FHCS 10-32 X 3/8 64
12 WASHER 5/16 SPLIT LOCK PLT 6
13 SHCS 5/16-18 X 1 6
14 DOWEL PIN 1/4 X 5/8 1
15 ROLL PIN 3/8 X 3/4 32
16 COMPRESSION SPRING T/C DOOR SPRING 32
17 SHCS 1/4-20 X 3/4 LOCTITE BLACK OXIDE 64
18 CAP TOOL CHANGER 1
19 SLIDING PANEL 32

VR UMBRELLA TOOL CHANGER 32 POCKET 40 TAPER

JUNE-1997