

# **ARTS3295**

I bXYfghUbX]b[ 'BUn]'; Yfa Ubm'Cf][ ]bgž'Ghfi Whi fYgž 9I d`UbUh]cb

HYfa 'H\fYY''##'&\$%-

## 7ci fgY<sup>-</sup>Cj Yfj ]Yk

#### GHJZZ7cbHJWh8YHJ]`g`

'7cbj Ybcfg'

B Ua Y	9a U]`	5j U]`UV]`] <b>m</b>	@cWUh]cb	D∖cbY
FcVYfh6iW	FcVYfM6iVX4 ibgk "YXi"Ui	· ·	A cfj Yb <sup>·</sup> 6fck b &( -	-',)!,*('

#### GWXcc``7cbHJWhʻ±bZcfa Uh]cb

GWkcc`cZ<iaUb]hJYg'UbX'@Ub[iU[Yg

@c\\U||cb. G\\cc``C\\Z|\\\žA\cfj\Yb'6fck\b'6i]\X]b[\z'@\j\Y``&z'&),

CdYb]b[ '<ci fg. 'A cbXUm! ': f]XUmž'- Ua '!') da

D\cbY.'Ž\*%'&'-',)'%\*,%

: UI . 'Ž \* %'&'-' , ) ', +\$)

9a U]`. \<u>\U`4 i bgk "YXi "Ui</u>

#### 7ci fgY 8YHJ] g

#### 7 fYX]hDc]bhg \* \*

#### Gi a a UfmcZh\Y 7ci fgY

Gi VYWh5fYU.: [efack

 $H\ [g'Wc'\ fgY'WUb'U'gc'VY'gh'\ X]YX']b'h\ Y'Zc``ck\ [b[\ gdYW]U']gUh]cbg.\ '9\ Wd\_S`\ EfgV[We-7gdabWS`\ EfgV[We-7gdabWS].$ 

#### 7 ci fgY @YUfb]b[ Ci hWca Yg

%" 9I d`U]b 'h\Y'cf][ ]bgžYj c`i h]cb 'UbX'X]g]bhY[ fUh]cb 'cZBUn]'; Yfa Ubm'

- &" 8 ]qh|b[i]q\žWca dufYžUbXYj U`i UhYX]ZZYfYbh'dufUX][a q'Zcf']bhYfdfYh|b['h\Y'H\]fX'FY]W\"
- ' " 7 cbgffi Whuf[i a Ybfg`VmXfUk]b[ cb`Yl]gf]b[ ]bfYfdfYf]j Y'dUfUX][a g`UbX`WbfYa dcfUfm \]ghcf]c[fUd\]WWbffcj Yfg]Yg`UVci hBUn]; Yfa Ubm'
- ("8YjY`cd`U`gYbgY`cZcbYfg`Uggiadf]cbg`UbX`dfYWcbWfdf]cbg`UbX`U`k]``]b[bYgg`fc`W\U``Yb[YcbYgY`ZUbX`fc`fYghcbYfg`fYWf]jYX`j]Ykg"
- ) " 7 ca a i b]\WJhYžcfU``mUbX#cf`]b`k f]h]b[ žYZZYWh]j Y`mUbX'dfYgYbhk cf\_`]b`U`a UbbYf`h\UhWcbZcfa g`hc qW.c`Uf`mWcbj Ybh]cbg`UbX'qi VYWh[ i ]XY`]bYg"

#### HYUWX]b[ 'GhfUhY[]Yg'

 $H\Y``YUfb]b[``UbX``hYUW\]b[``ghfUhY[m`]g`XYg][bYX`hc`YbWcifU[Y`ghiXYbhg`hc`Yb[U[Y`k]h\`XYVUhYg`UVcihBUn]'; Yfa Ubmž`XYjY`cd]b[``h\Y]f`Wf]h]WU``g_]``g`h\fci[\`ai``h]d`Y`acXYg`cZhYUW\]b[``UbX`UggYggaYbh'$ 

@YWi fYg`Wca V]bY`U`\]ghcf]WJ``k ]h\`U`gmghYa Uh]WUddfcUW. 'hc`h\Y`[]j Yb`hcd]WcZU`k YY\_"'5Xcdh]b[`U fci [\`mW.fcbc`c[]WJ``UddfcUW. 'h\Y`ZcW g`]g`cZhYb`h\Ya Uh]W`]XYc`c[m/UYgh\Yh]Wg/[cj YfbUbW/gcW]U`ž [YbXYfž`UbX`fUW'`dc`]M]YgžYhW'`K\]Y`gca Y`XY[fYY`cZVUW\_[fci bX`\_bck`YX[Y`]g`Uggi a YXž\_Ym XYj Y`cda Ybhg`UbX`hi fb]b[`dc]bhg`k]```VY`fYj ]Yk YX"'<ck Yj Yfž'h\Y`df]bW]dU``ZcW g`]g`cb`X]ZZYfYbh ]bhYfdfYhUh]cbg`UbX`dYfgdYWhj Yg`cb`h\Y`H\]fX`F Y]W\Z`fYZYWhb[`h\Y`Yj c`i h]cb`cZh\Y`\]ghcf]c[fUd\mcZBUn]; Yfa Ubm'`@YWi fYg`dfcj ]XY`h\Y`ZfUa Yk cf\_`Zcf`fYUX]b[g`X]gw' ggYX`]b`h\Y`h hcf]U`g"

 $H\Y''hi\ hcf]U'g'fYj\ c'j\ Y'Ufci\ bX'Wf]hJWU''fYUX]b[\ g'Ug'k\ Y'``Ug'gca\ Y'df]a\ Ufm'hYl\ hg'''K\ Y'k\ ]``U'gc''XfUk''cb''ch\Yf$ 

#### 5ggYgga Ybh

 $GUa \ d`Y`hYghUbgk \ Yfg`UbX`h\Y`YI \ dYWhJhcbg`Zcf`h\Y`YggUmk \ ]```VY`X]gW \ ggYX`]b`XYhJ]``Xi \ f]b[\ `h\Y`gYWcbX \ h' \ hcf]U``gYgg]cb''`$ 

#### 5ggYgga Ybh'HUg\_g'

5ggYgga Ybh'HJg_	K Y][ \h	8i Y'8UHY	Gh XYbh@YUfb]b[ Ci hWca Yg 5ggYggYX
F YgYUfWX '9ggUm'	()	&-#%#&\$%-`\$(.\$\$`DA	%ž&Ž Ž( ž)
±b!WUgg"hYgh"	' \$1	&) #%\$#&\$%	%ž&Ž Ž( ž)
K f]hYb fYgdcbgYg hc fYUX]b[g	&) ı	Bch5dd`]WUV`Y	&Z Ž)

#### 5ggYgga Ybh'8YhJ]`g

5ggYgga Ybh% F YgYUfW 9ggUm

GHJfh:XUhY.

**8YHJ**]`g. 'H\Y`&) \$\$!k cfX`YggUmg\ci `X`VY`U`gi VgHUbHJU``d]YVW`cZ]bXYdYbXYbhfYgYUfW\žfYZYWfJcb`UbX UbU`mg]g": YYXVUW\_fi Vf]WUbX`Vf]YZ]bX]j ]Xi U``Wca a Ybhg`]b`A ccX`Y"`H\]g`]g`h\Y`Z]bU``UggYgga YbhZcf UHYbXUbW'`di fdcgYg"

5ggYgga Ybh& =b!WUgg hYgh

GhUfhXUhY. Bch5dd`]WUV`Y

@Yb[h\.'\*\$'a bg

8 YHJ]`g. `Ghi XYbhg`Wca d`YhY`U`hYghicZW`%\ci f`Xi fUh]cb"`H\Y`hYghWcbg]ghg`cZg\cfh'Ubgk Yfg`UbX dUfU[ fUd\!`Yb[ h\`Ubgk Yfg`hc`ei Ygh]cbg`XYg][ bYX`hc`[ ]j Y`ghi XYbhg`h\Y`cddcfhi b]hmhc`XYa cbghfUhY`h\Y]f i bXYfghUbX]b[ `cZh\Y`h\Ya Ygž`]ggi Yg`UbX`XYVUhYg`Wcj YfYX`]b`h\Y`Wci fgY"Ghi XYbhg`fYWY]j Y`U`a Uf\_" F YgdcbgYg`X]gW ggYX`]b`WUgg"

5XX]h]cbU`XYhJ]`g.

H\Y`]b!WUgg'hYgh'hU\_Yg'd`UWY'Xi f]b['hi hcf]U``\ci fg`]b'k YY\_`\*ž: f]XUm'&)'C WhcVYf'&\$%"

5ggYgga Ybh' . K f]thYb fYgdcbgYg tc fYUX]b[g

GhUfhXUhY. 7 cbh]bi ci g`mZfca k YY\_'%"

@Yb[h\.'&) \$'k cfXg'l) 'cj Yf'h\Y'Wci fgY'cZh\Y'hYfa

8 YHJ]`g. K YY\_`mei Ygh]cbgʻcbʻh\YʻfYUX]b[gʻk]```\Y`dʻgh XYbhgʻXcW a Ybhh\Y]fʻfYUX]b[ʻUbXʻh\]b\_]b[ʻcbʻh\Y a UhYf]U`"`Gh XYbhgʻk]```bYYX`hcʻgi Va ]hZ]j YʻgYhgʻcZfYgdcbgYgžYUW\`cZa Ul ]a i a `&) \$`k cfXgžcj Yfʻh\YʻhYfa Wbg]gh]b[ʻcZUʻfYgdcbgY hcʻcbYʻcZh\Y]fʻck b

Gi Va ]gg]cb cZ5ggYgga YbhHUg\_g

Gi Va ]gg]cb cZ5ggYgga YbhHUg\_g

Hi fb]h]b Gi Va ]gg]cb

#mci YbWci bhYf'U'dfcV'Ya 'k \Yb'UthYa dr]b[ 'rc'gi Va ]hmci f'Ugg][ ba Ybht\fci [ \'Hi fb]r]bž'd'YUgY
hY'Yd\cbY'9I hYfbU''Gi ddcfhcb'-', ) '''' %cf'Ya U]''h\Ya 'cb'YI hYfbU'hY'hgi ddcfh4 i bgk "YXi "Ui '"'Gi ddcfh
\ci fg'UfY', .\$\$Ua '-'%\$.\$\$da 'cb'k YY\_XUmg'UbX'-.\$\$Ua '-').\$\$da 'cb'k YY\_YbXg'fl \*) 'XUmg'U'mYUft\"'=\maintention
UfY'i bUV'Y 'rc'gi Va ]hmci f'Ugg][ ba YbhXi Y'rc'U'ZJi 'hk ]h\'Hi fb]r]b'mci 'a Um'Udd'm\Zcf'Ub'YI hYbg]cb\ZVi hmci
a i ghfYhJ]b'mci f'r]\W\_Yhbi a VYf'\Zfca '9I hYfbU''Gi ddcfhfU'cb[ 'k ]h\'Ubmch\Yf'fY'Yj UbhXcW a Ybfg\L'rc
]bWi XY'Ug'Yj ]XYbW' 'rc'gi ddcfhmci f'YI hYbg]cb'Udd']\WJh]cb'''=\maintention
UfY'' bUYY''mfYWY']j Y'U'r]\W\_Yhbi a VYf\Zfvi h]Zmci 'hY'Yd\cbY'mci 'k ]'''bYYX'rc'gdYW]\ZfwJ''mUg\_'Zcf'cbY''
Hi fb]h]b'U'gc'dfcj ]XYg'i dXUhYg'cb'h\Y]f'gmghYa 'gfUh' g'cb'Hk]hYf"

; YbYfU``mž'UggYgga YbhiHug\_g'a i ghVY'gi Va ]hhYX'Y`YVWfcb]\W)``mj ]U'Y]h\Yf'Hi fb]hjb'cf'U'A ccX`Y Ugg][ ba Ybh'' =b']bgHJb\W'g'k \YfY'h\]g']g'bchdcgg]V`Yž']hk ]``'VY'gHJhYX'cb'mci f'\\circ i fgY'g'A ccX`Y'g]hY'k ]h\ U`hYfbUhj Y'gi Va ]gg]cb'XYHJ]`g''

cfi]bZcfa Uh]cbicbi\ckihcigi Va ]hUgg][ ba Ybhgicbi]bYij ]UiA ccXiY.i\hdg.#gh XYbh'i bgk "YXi "Ui #\ck! qi Va ]hUgq][ ba Ybha ccXiY

#### 5 WUXYa | W < cbYghmUbX D`U[ | Uf]ga

D`U[]Uf]ga i]gii g]b[ih\Yik cfXgicfi]XYUgicZch\YfgiUbXidfYgYbh]b[ih\Ya iUgimci fick b"i±iWUbihU\_Yia Ubm Zcfa qžZfca iXYi]VYfUhYiW\YUh|b[ihciUVW]XYbhU`mWcdm]b[iZfca iUigci fWYik]h\ci hUW\_bck iYX[Ya Ybh'i

IBGK '[fci dg'd'U[]Uf]ga ']bhc'h\Y'Zc``ck]b[ 'WUhY[cf]Yg.

7 cdm]b[.'i g]b['h\Y'gUa Y'cf'j Yfmg]a]`Uf'k cfXg'hc'h\Y'cf][]bU`hYl h'cf']XYU'k]h\ci h'UW\_bck `YX[]b['h\Y gci fW'cf'i g]b['ei chUh]cb'a Uf\_g"'H\]g'U`gc'Udd`]Yg'hc']a U[Ygž'Ufh'UbX'XYg][b'dfcYWhgž'Ug'k Y``'Ug dfYgYbhUh]cbg'k \YfY'gca YcbY'dfYgYbhg'Ubch\Yf'g']XYUg'cf'k cfXg'k]h\ci h'WfYX]h'

⇒ Uddfcdf]UhY 'dUfUd\fUg]b[...7\Ub[]b[ 'U'ZYk 'k cfXg'UbX'd\fUgYg'k \]'Y 'a cghmfYhJ]b]b[ 'h\Y'cf][]bU` ghfi Wh fY 'UbX#cf'dfc[fYgg]cb'cZ]XYUg'cZh\Y'cf][]bU'žUbX']bZcfa Uh]cb'k ]h\ci hUW\_bck `YX[Ya Ybh'H\]g'U`gc Udd`]Yg']b'dfYgYbhUh]cbg'k \YfY'gca YcbY'dUfUd\fUgYg'Ubch\Yf'g']XYUg'cf'k cfXg'k ]h\ci hWfYX]hUbX'hc d]YW]b[ 'hc[Yh\Yf'ei chYg'UbX'dUfUd\fUgYg']bhc'U'bYk 'k \c`Yžk]h\ci hUddfcdf]UhY'fYZYfYbW]b[ "

7 c``i g]cb. 'k cf\_]b[ 'k ]th 'cth Yfg'Vi hidUgg]b[ 'cZZth Y 'k cf\_'Ug'U'dYfgcb'g']bX]j ]Xi U``k cf\_"'7 c``i g]cb'U`gc ]bWi XYg'dfcj ]X]b[ 'mci f'k cf\_'thc'Ubcth Yf'ghi XYbh'VYZcfY'th Y'Xi Y'XUHYZcf'Zcf'th Y'di fdcgY'cZth Ya

- i bXYfgfUbX mci f'f][\hg'UbX'fYgdcbg]V]`]hJYg'Ug'U'gh XYbhUhl BGK
- VY`Uk UfY`cZd`U[]Uf]ga ž`Wcdmf][\hz'l BGK `Gh XYbh7cXY`cZ7cbXi WhUbX`5VWWdhUV`Y`l gY`cZ I BGK `=\forall H`F Ygci f\W\g`Dc`]\m\m
- VY 'Uk UfY 'cZh\Y 'ghUbXUfXg 'cZVY\Uj ]ci f'Yl dYWYX 'cZYj YfmcbY ']b 'h\Y 'l BGK 'Wca a i b]hm
- `cWUHY 'gYfj ]WYg'UbX ']bZcfa UH]cb'UVci hI BGK 'UbX'I BGK '@]VfUfm

Gca Y'cZh\YgY'UfYUg'k]``VY'ZJa]`]Uf'hc'mci ž'ch\Yfg'k]``VY'bYk"'; U]b]b['U'gc`]X'i bXYfgHJbX]b['cZU``h\YfY`UhYX'UgdYWng'cZ9@+69'k]``\Y`d'mci 'a U\_Y'h\Y'a cghicZmci f'ghi X]Yg'UhI BGK "'\\hd.##qi VYWfi |XYg"`]VfUfm'i bqk "YXi "Ui #\`]qY#JVci hY`]qY

### 5 WUXYa ]W = DZcfa Uhjcb

: cf`YggYbhJU``gh XYbh]bZcfa UhJcb`fY`UhJb[ 'hc.

fYei YghgʻZcfʻYl hYbg]cb/ `UhYʻgi Va ]gg]cbgʻ[ i ]XY`]bYg/ fYj ]Yk ʻcZa Uf\_g/ I BGK ʻ< YUʻh\ 'UbXʻGUZYhmdc`]WJYg/