

# **ARTS3630**

5XjUbWX`>UdUbYgY`5

HYfa 'C bY''#'&\$%-

GWkcc``cZ<iaUb]hyg'UbX'@Ub[iU[Yg`#'IBGK '5fhg'UbX'GcWU'GW}bWrg

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

## `GHJZZ`7cbHJWh`8YHJ]`g`

## '7cbj Ybcfg'

BUa Y	9a U]`	5j U]`UV]`]m	@cWUhjcb	D∖cbY
?Uni Y`C_Ua chc	5	A cbXUmi%&Ua !%da žCh\Yfg`Vm Uddc]bha Ybh	A 6&+'	-',)!'+(-

## GWXcc``7cbHJWhi=bZcfaUhjcb

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

@cWUhjcb. `GW&cc``CZJWYžA cfj Yb`6fck b`6i ]`X]b[ ž@Yj Y``&ž&),

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<sup>·</sup>8YHJ]`g

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

## Gi a a UfmcZhXY7ci fgY

#### Gi VYWhi5fYU. <SbS` WeWE fgV[We

H\]gʻWcifgYʻdfcj]XYgʻmciʻk]h\ʻiddYf!]bhYfaYX]UhYʻ`YjY`hi]h]cbʻ]bʻ>UdUbYgYʻ`Ub[iU[YʻghiXmʻ: c``ck]b[ʻh\Y dfYfYei]g]hYʻfilohYfaYX]UhYʻ>UdUbYgYʻ6fžicf`Yei]jU`YbhžmciʻWcbh]biYʻhc`XYjY`cd`mcif`]bhYfW`hifU` Wcaaib]WUh]cbʻg\_]``gʻUgʻkY```Ugʻ`YUfbʻbYk`>UdUbYgYʻghfiWhifYgž`YIdfYgg]cbgž'UbX`]bhYfUWh]cbʻghfUhY[]Ygʻ Mci`k]``YIdUbX`mcif`jcWUVi`UfmVm`YUfb]b[`&\$\$`\_Ub']"`7iffYbhgcW]c!W`hifU``]ggiYgʻ]b`>UdUbʻUfYʻh\Y h\YaUh]WZcWig`cZh\Y`WcifgY"

## 7cifgY@YUfb]b[CiHWcaYg

%" 7 ca a i b]\WUHY \_bck `YX[Y`cZ>UdUbž`>UdUbYgY ``Ub[ i U[YžUbX`Wca a i b]\WUH]cb`g\_]``gž]b`cfU` dfYgYbHUH]cbg`gdc\_Yb`]b`>UdUbYgY"
&" K f]HY `fYdcfhg`i g]b[ `>UdUbYgY`k f]H]b[ `ghm`Y"
'' 5 \WVca d`]g\`HUg\_g`k ]H\`dYYfg"

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

@YWiffYg`XY`]jYf`gcW]U``UbX`W``hifU``]ggiYg`fY`UhYX`hc`h\Y`hcd]WcZh\Y`kYY\_"`BYk`ghfiWiffYg#[fUaaUfg`UfY U`gc`YId`U]bYX"`GhiXYbhg`dfcUWf]jY`mdUfh]W]dUhY`]b`dfUWf]WYg`cZbYk`YIdfYgg]cbgž'jcWUVi`Uf]Ygž'UbX`?Ub'] UbX`]bhYfUWfik]h\`ZY``ck`ghiXYbhg`Uhh\Y``YWiffYg"`

@YWifYg`UfY`XY`]jYfYX`ig]b[`acghm>UdUbYgY`hc`Ugg]ghghiXYbhg`]b`XYjY`cd]b[`h\Y]f``]ghYb]b[`UV]`]h]Yg`UbX VYWca]b[`ZJa]`]Uf`k]h\`bUhjjY`>UdUbYgY`gdYU\_YfgfihU`\_"`H\Y`WcbhYbhk\]W\`ghiXYbhg`UfY`bchUV`Y`hc WcadfY\YbX`]b`>UdUbYgY`aUmVY`YId`U]bYX`]b`9b[`]g\"`

'Hi hcf]U`g`dfcj ]XY`gh XYbhg`k ]A cddcfh b]h]Yg`hc`dfUWi]WY`]bhYfUWi]cbžfYUX]b[ žUbX`k f]h]b[ `]b`>UdUbYgY Zc``ck ]b[ `h\Y`]bZcfa Uh]cb`]bhfcXi WYX`Xi f]b[ ``YWi fYg`UbX`dfcj ]XYX`]b`h\Y`hYI hVcc\_"`H\YmU`gc`XYj Y`cd i bXYfghUbX]b[ `UVci h>UdUbž]bhYfW``h fU``Uk UfYbYggžUbX`]bhYfW``h fU``Wca a i b]WUh]cb`g\_]``g"`H\YmU`gc X]gW gg`\ck `gh XYbhg`g\ci `X`XYU`k ]A `U`g]h Uh]cb`fY`UhYX`hc`h\Y`hcd]WUg`U`gi WWYggZ ``]bhYfW``h fU` Wca a i b]WUhcf"`5`df]a Ufma YX]i a `cZ`Ub[ i U[ Y`]b`h hcf]U`g`]g`>UdUbYgY`]b`cfXYf`hc`XYj Y`cd`gh XYbhg` CfU`#Ji fU``g\_]``g"`Gh XYbhg`UfY`ghfcb[ `mYbWci fU[ YX`hc`i gY`>UdUbYgY`Xi f]b[ `WUggYg"

## 5ggYgga Ybh

## 5ggYgga YbhHUg\_g

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GdYU_]b[ ˈhYgh	&\$1	Bch5dd`]WUV`Y	%₹
: ]bU`YI Ua ]bUh]cb`	(\$1	Bch5dd`]WUV`Y	%ž&
Dfc ∕Y₩i	(\$1	'\$#\$(#&\$%-`\$).\$\$`DA	%ž&ž

## 5ggYgga Ybh8YHJ]`g

#### 5ggYgga Ybh% GdYU\_]b[ hYgh

GHJfhXUHY. Bch5dd`]WUV`Y

**8YHJ]`g**. '9UW\`ghi XYbhik ]```dYfZcfa `U`fc`Y`d`Umik ]h\`Ubch\Yf`ghi XYbhif) !\* 'a ]bg#dU]fŁ"K f]hhYb`ZYYXVUW\_`k ]`` VY`[ ]j Yb`j ]U`bi a Yf]WU``[ fUXY`UbX`k f]hhYb`Wca a Ybh'

#### 5XX]h]cbU``XYHJ]`g.

GYY A ccX`Y Zcf`XYHJ]`g

Hi fb]h]b`gYh]b[.`H\]g`]g`bchU`Hi fb]h]b`Ugg][ ba Ybh

5ggYgga Ybh'&: ]bU`YI Ua ]bUhjcb

GHUfh'XUHY.

**8YHJ]`g.** `Ghi XYbhg`k ]```Wca d`YhY`ZjbU``YI Ua ]bUhjcb`Xi f]b[ `YI Ua `dYf]cX": YYXVUW\_`k ]```VY`[ ]j Yb`i dcb fYei Ygh'

#### 5ggYgga Ybh' . Dfc YWh

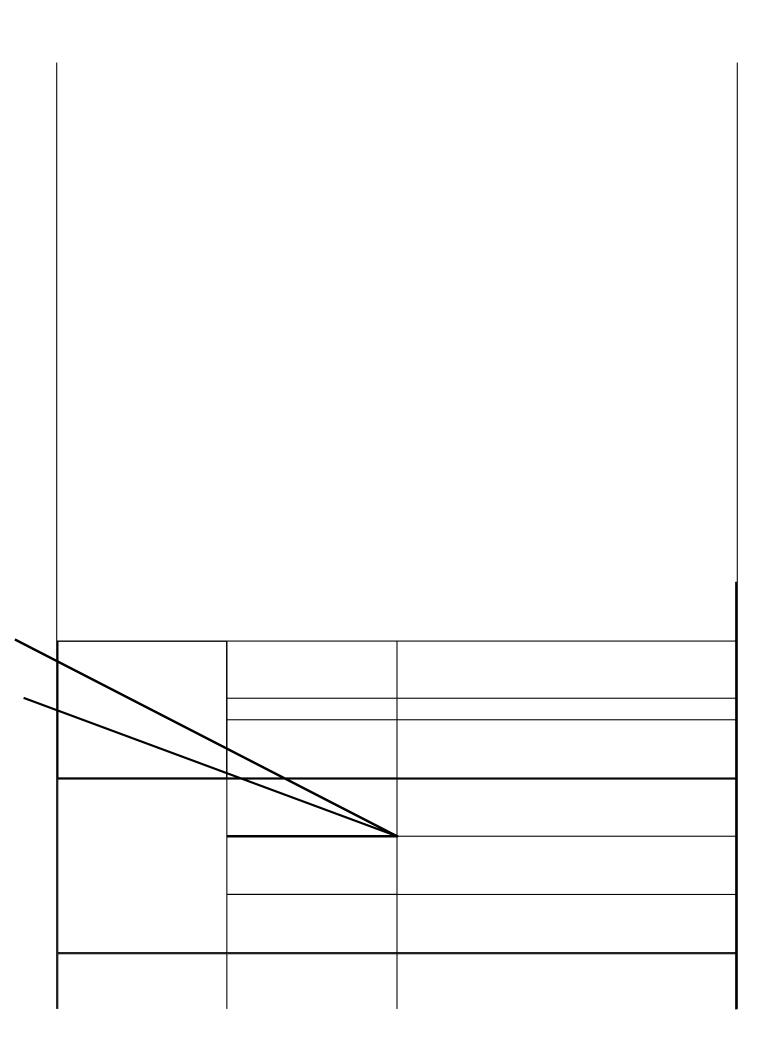
#### GHJfh'XUhY. '&) #\$&#&\$% '\$-.\$\$'5A

8YHU]`g. `Gh XYbhg`k ]``Yb[U[Y`]b`U`j Uf]YhmcZUWN] ]h]Yg`hc``YUfb`>UdUbYgY``Ub[iU[YžW`hifYžUbX ]bhYfW`hifU``Wcaaib]WUh]cbžWcbg]gh]b[`cZUddfcl"`&\$!' \$`a]bg`cb`U`kYY\_`mVUg]g"`H\Y`UWN]j ]h]Yg`]bWiXY`U [fcid#bX]j ]XiU``dfYgYbHUh]cb`fh=`a]bgŁžd`Um]b[`U`fc`Y`Ug`hihcf]U```YUXYfžUbX`]bhYfUWNjb[`k]h\`>UdUbYgY dYcd`Y#gdYU\_Yfg`UhUb`YjYbh\Y`X`cihg]XY`IBGK"`GhiXYbhg`k]```h\Yb`fYZYWhUbX`kf]hY`U`fYdcfhf(\$\$!)\$\$ W\UfUWNYfg#fYdcfhEcb`fh\Y]f`YIdYf]YbWYg"Kf]hYb`ZYYXVUW\_k]```VY`[]jYb`j]U`biaYf]WU``[fUXY"

#### 5XX]h]cbU``XYHJ]`g.

GYY'A ccX`Yg'Zcf'XYHJ]`g

Hi fb]h]b`gYh]b[.`H\]g`]g`bchU`Hi fb]h]b`Ugg][ ba Ybh



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## FYgci fWfg

•

## DfYgWf]VYX F Ygci fWYg

- 6cc\_'-'HcV]fU'; UHYk UmHc'5Xj UbWYX'>UdUbYgY'@YUfb]b['H\fci [\'7cbH/bhUbX'Ai`h]a YX]U f&\$\$-Ł
- 6cc\_'-'; fUa a Uf'Dck Yf. '9I YfWjgYg': cf'A UghYfmif&\$%\$Ł
- 6cc\_'-'Dck Yf'l d'? Ub']', \$\$`6Ug]W? Ub']'5g'5'; UhYk UmHc`5Xj UbWXX'>UdUbYgY'f&\$%\$Ł

## FYWca a YbXYX FYgci fWYg

- HcV]fU`k YVg]hY ···· \ htd. ##cV]fUk YV"-\*(\$"'d#

## Gi Va ]gg]cb cZ5ggYgga YbhHUg\_g

## Gi Va ]gg]cb cZ5ggYgga YbhHUg\_g

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

=Zmci YbWci bhYf'U'dfcV'Ya 'k \Yb'UhYa dhjb[ 'hc'gi Va ]hmci f'Ugg][ ba YbhN fci [ \ 'Hi fb]hjbž'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'mYUfŁ'" =Zmci UfY'i bUV'Y'hc'gi Va ]hmci f'Ugg][ ba YbhXi Y'hc'U'ZUi `hk ]h\ 'Hi fb]hjb'mci 'a Um'Udd`mZcf'Ub'YI hYbg]cbž'Vi hmci a i ghfYhU]b'mci f'hjW\_Yhbi a VYf'Zfca '9I hYfbU``Gi ddcfhfU`cb[ 'k ]h`Ubm'ch\Yf'fY`Yj UbhXcW a YbhgŁ'hc ]bWi XY'Ug'Yj ]XYbWi'hc'gi ddcfhimci f'YI hYbg]cb'Udd`]WUh]cb''`=Zmci 'Ya U]``9I hYfbU``Gi ddcfhimci 'k ]``

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

D`U[]Uf]ga `]g`i g]b[`h\Y`k cfXg`cf`]XYUg`cZch\Yfg`UbX`dfYgYbh]b[`h\Ya `Ug`mci f`ck b"`=hWUb`hU\_Y`a Ubm Zcfa gžZca `XY`]VYfUhY`W\YUh]b[`hc`UWW]XYbhU``mWcdm]b[`Zca `U`gci fWY`k]h\ci hUW\_bck `YX[Ya Ybh'

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

7 cdm]b[..i g]b[.ih,Y`gUa Y`cf`j Yfmig]a ]`Uf`k cfXg`hc`h,Y`cf][]bU``hYI h`cf`]XYU`k ]h\ci hUW\_bck `YX[]b[`h\Y gci fWF`cf`i g]b[`ei chUh]cb`a Uf\_g"`H\]g`U`gc`Udd`]Yg`hc`]a U[YgžUfhUbX`XYg][b`dfc´YWfgž'Ug`k Y```Ug dfYgYbhUh]cbg`k \YfY`gca YcbY`dfYgYbhg`Ubch\Yf\*g`]XYUg`cf`k cfXg`k ]h\ci hWfYX]h"

=bUddfcdf]UhY`dUfUd\fUg]b[..7\Ub[]b[`U`ZYk`k cfXg`UbX`d\fUgYg`k \]`Y`a cghmfYhU]b]b[`h\Y`cf][]bU` ghfi Whi 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 ]h ch Yfg Vi hdUgg]b[ cZth 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\_'hc Ubch Yf gh XYbhVYZcfY h Y Xi Y XUhYžcf Zcf'h Y di fdcgY cZh Ya

- i bXYfgHJbX'mci f`f][\hg`UbX'fYgdcbg]V]`]h]Yg`Ug`U`ghi XYbh'Uh'I BGK
- VY Uk UfY cZdU[]Uf]ga žWcdmf][ \lbzi BGK Ghi XYbh7 cXY cZ7 cbXi Wh0bX 5WW/dhUVY I gY cZ I BGK '=7 H'F Ygci fW/g'Dc']Wh
- VY Uk UfY cZh Y gHUbXUfXg cZVY Uj ]ci f YI dYWYX cZYj YfmcbY ]b h Y I BGK Wca a i b]m
- `cWUHY'gYfj ]WYg'UbX']bZcfa UHjcb'UVci hI BGK 'UbX'I BGK '@VfUfm

Gca YicZh\YgYiUfYUgik]``VYiZJa]`]Ufihcimci žich\Yfgik]``VYibYk"'; U]b]b[`Uigc`]Xii bXYfgHUbX]b[`cZU```h\Y fY`UhYXiUgdYWfgicZ9@=G9ik]``\Y`dimci ia U\_Yih\Yia cghicZmci fighi X]YgiUhil BGK"' <u>\hhd.#qi VYWfii]XYg"`]VfUfm"i bgk"YXi"Ui #Y`]qY#UVci hY`]qY</u>

## 5WUXYa]W=bZcfaUh]cb<sup>·</sup>

: cf'YggYbhJU``ghi XYbhi]bZcfa UhJcb`fY`UhJb[ 'hc.

- fYei Yghg Zcf Yl hYbg]cb/
- `UhY `gi Va ]gg]cbg `[ i ]XY`]bYg/
- fYj]Yk 'cZa Uf\_g/
- I BGK '<YU`h\`UbX'GUZYhridc`]W}Yg/
- YI Ua ]bUh]cb'dfcWYXi fYg/
- gdYWJU``Wcbg]XYfUh]cb`]b`h\Y`Yj YbhcZ]``bYgg`cf`a ]gUXj Ybh fY/
- gh XYbhYei ]mUbX X]gUV]`]m/
- UbX'ch\Yf'YggYbhJU``UWUXYa ]W]bZcfa Uh]cbž'gYY

<u>htdg.#k k k "Ufng"i bgk "YXi "Ui #W ffYbHgh XYbhg#UWUXYa ]W]bZcfa Uh]cb#dfchcWc`g![i]XY`]bYg#</u>

∄ Щ[Y)<sup>\*</sup>∄⁄Ŕ¥jK]h