

## INVERT AND ROTATE MODULES

Invert and Rotate Modules are Technical Zeros that move dancers into a new relationship quadrant ready to dance with a new group of four.

Each Invert and Rotate Module has all of the following properties:

1. It begins and ends in the same FASR.
2. It interchanges (**inverts**) the Heads with the Sides within the FASR.
3. It works for all same sequence or for different sequences but not for both.
4. It changes the mix of dancers within one Relationship Quadrant.
5. It moves (**rotates**) at least half the dancers across either the vertical or the horizontal axis or both.

Perhaps the most elegant Invert and Rotate Modules all belong to a group of Equivalentents that begin from a Normal Eight Chain Thru with same sequence for both genders (such as a Corner Box).

The module in simplest form is from a Corner Box (Heads square thru)

**“STAR THRU, PASS THRU, BEND THE LINE, STAR THRU”**.

The result changes the major axis of the Eight Chain Thru formation, and moves all dancers across both axes to end half way around the square from their starting geometric quadrant.

There are numerous Equivalentents to this “Elegant” Invert and Rotate Module.

The following modules are equivalentents (do the same as) the “Star Thru, Pass Thru, Bend the Line, Star Thru” module.

- **Basic:** Dive Thru, Centres Half Square Thru, Ends Separate & Star Thru
- **Basic:** Touch 1/4, Girls Trade, Pass Thru, Wheel & Deal, Centres Wheel Around
- **Mainstream:** Star Thru, Pass Thru, Ends Fold, Box the Gnat, Right and Left Thru
- **Mainstream:** Pass to the Centre, Double Pass Thru, Cloverleaf, centres Pass Thru
- **Mainstream:** Square Thru, Tag the Line, Face In, Pass Thru, Ends Fold
- **Plus:** Relay the Deucey, Explode **and** Box the Gnat, Pass Thru, Ends Fold
- **A1:** Pass Thru, Clover **and** Pass the Ocean, Chain Reaction, Boys Run, Wheel and Deal

### Other Invert and Rotate Modules

There are many other Technical Zeros that also have the same five properties listed above.

**Example 1:** from Normal Facing Lines with different sequence: (Possible Setup: Heads Square Thru 2, Swing Thru, Boys Run, Bend the Line)

- **Basic:** Two Ladies Chain, Pass Thru, Wheel and Deal, Centers Wheel Around, Star Thru

The following examples Invert and Rotate while keeping the 2 x 4 grid of dancers on the same major axis.

**Example 2:** from Parallel Waves, same gender in the centre, different sequence: (Possible Setup: Sides Square Thru Four, Swing Thru)

- **Basic:** All 8 Circulate before after

**Example 3:** from Normal Facing Lines with different sequence: (Possible Setup: Sides Square Thru, Circle to a Line)

- **Basic:** Square Thru, Trade By, Star Thru
- **Basic:** Flutterwheel and Sweep a Quarter, Pass Thru, Trade By, Star Thru

**Example 4:** from Normal Facing Lines with different sequence:

- **Basic:** Pass the Ocean, All 8 Circulate, Girls Trade, Swing Thru, Boys Run, Bend the Line
- **Mainstream:** Pass the Ocean, All 8 Circulate, Recycle and Sweep  $\frac{1}{4}$

**Example 5:** From a Normal Eight Chain Thru with same sequence such as a Corner Box:

- **Basic:** Swing Thru, All 8 Circulate, Centers Run, Wheel and Deal

## **Invert and Rotate – Choreography Modules**

The most common Technical Zero is the Invert and Rotate Module. It starts from any Corner Box. Commit to memory. Star Thru – Pass Thru – Bend the Line – Star Thru

In addition to the examples and explanations above, here are some simple Invert and rotate modules that may help you get started.

As always check them out before you use them and do not try to learn them all at once. Pick one and get used to it before moving to the next. That way you build your repertoire slowly and you are able to retain the modules to pull out when you need them

I have not put the direction of rotation with these “technical zeroes”. That is for you to discover.

**CB MODULES**

**BOYS RUN  
CIRCULATE TWICE  
BOYS RUN**

**STAR THRU  
PASS THRU  
WHEEL AND DEAL  
DOUBLE PASS THRU  
LEADERS TRADE  
STAR THRU  
PASS THRU  
WHEEL AND DEAL  
LEADERS PASS THRU**

**SLIDE THRU  
RIGHT AND LEFT THRU  
PASS THRU  
BEND THE LINE  
SLIDE THRU  
RIGHT AND LEFT THRU**

**TOUCH 1/4  
ALL 8 CIRCULATE  
BOYS RUN  
SLIDE THRU  
PASS THRU  
TRADE BY**

**SPLIT THE OUTSIDES  
OUTSIDES SEPARATE (AROUND 1 TO A  
LINE)  
STAR THRU  
CALIFORNIA TWIRL**

**FLUTTERWHEEL AND SWEEP 1/4  
PASS THRU  
BEND THE LINE  
FLUTTERWHEEL AND SWEEP 1/4**

**FLUTTEWHWHEEL  
TOUCH 1/4  
SWING THRU  
CENTERS RUN  
BEND THE LINE  
STAR THRU  
CENTERS PASS THRU**

**(CB-OW)  
SPIN CHAIN THRU TWICE**

**SWING THRU  
SPIN THE TOP  
PASS THRU  
BEND THE LINE  
RIGHT AND LEFT THRU  
SLIDE THRU**

**TOUCH 1/4  
SCOOT BACK  
BOYS RUN  
PAS THRU  
BEND THE LINE  
SLIDE THRU**

<b>SPLIT THE OUTSIDES</b> <b>OUTSIDES SEPARATE (AROUND 1 TO A LINE)</b> <b>PASS THRU</b> <b>TAG THE LINE</b> <b>FACE IN</b> <b>RIGHT AND LEFT THRU</b> <b>SLIDE THRU</b>	<b>CENTERS IN (INVERTED LINE)</b> <b>CAST OFF 3/4</b> <b>ENDS FOLD</b> <b>DOUBLE PASS THRU</b> <b>CENTERS IN</b> <b>CAST OFF 3/4</b> <b>SLIDE THRU</b>
<b>PASS THRU</b> <b>ENDS CLOVERLEAF</b> <b>CENTERS SQUARE THRU</b>	<b>SLIDE THRU</b> <b>PASS THRU</b> <b>ENDS FOLD</b> <b>BOX THE GNAT</b> <b>RIGHT AND LEFT THRU</b>
<b>PARTNER LINE MODULES</b>	
<b>SLIDE THRU</b> <b>SWING THRU</b> <b>ALL 8 CIRCULATE</b> <b>SWING THRU</b> <b>RIGHT AND LEFT THRU</b> <b>SLIDE THRU</b> <b>RIGHT AND LEFT THRU</b>	<b>SLIDE THRU</b> <b>SWING THRU</b> <b>ALL 8 CIRCULATE</b> <b>LADIES TRADE</b> <b>MEN RUN</b> <b>BEND THE LINE</b>
<b>EACH SIDE CIRCLE LEFT 3/4</b> <b>SPLIT THE OUTSIDES</b> <b>AROUND ONE AND DOWN THE MIDDLE</b> <b>CENTERS PASS THRU AND SEPARATE</b> <b>AROUND ONE AND INTO THE MIDDLE</b> <b>CENTERS PASS THRU</b> <b>CIRCLE LEFT 3/4</b>	<b>LADIES CHAIN</b> <b>STAR THRU</b> <b>DIVE THRU</b> <b>CENTERS PASS THRU</b> <b>RIGHT AND LEFT THRU</b> <b>LADIES CHAIN</b> <b>SLIDE THRU</b>
<b>BOX THE GNAT</b> <b>PASS THRU</b> <b>GIRLS RUN</b> <b>SWING THRU</b> <b>ALL 8 CIRCULATE</b> <b>CENTERS TRADE</b> <b>BOYS RUN</b>	<b>PASS THRU</b> <b>WHEEL AND DEAL</b> <b>DOUBLE PASS THRU</b> <b>LEADERS TRADE</b> <b>CIRCLE LEFT 3/4</b>

<p>PASS THRU BEND THE LINE RIGHT AND LEFT THRU</p>	<p>PASS THE OCEAN SWING THRU GIRLS TRADE BOYS RUN COUPLES CIRCULATE BEND THE LINE</p>
<p>SLIDE THRU PASS THRU OUTSIDES CLOVERLEAF CENTERS SQUARE THRU SLIDE THRU RIGHT AND LEFT THRU</p>	<p>SLIDE THRU SPIN CHAIN THRU TWICE BOYS RUN BEND THE LINE RIGHT AND LEFT THRU</p>
<p>SLIDE THRU TOUCH 1/4 SCOOT BACK CENTERS TRADE PASS TO THE CENTER CENTERS TURN THRU SLIDE THRU LADIES CHAIN</p>	<p>TOUCH 1/4 CIRCULATE TWICE BOYS RUN TRADE BY 8 CHAIN 2 SLIDE THRU</p>
<p>PASS THRU BOYS FOLD STAR THRU COUPLES CIRCULATE BEND THE LINE RIGHT AND LEFT THRU</p>	<p>PASS THE OCEAN SWING THRU ALL 8 CIRCULATE SWING THRU RECYCLE AND SWEEP 1/4 RIGHT AND LEFT THRU</p>
<p>PASS THE OCEAN LADIES TRADE ALL 8 CIRCULATE HINGE SPLIT CIRCULATE BOYS RUN</p>	<p>Left Touch a Quarter Walk and Dodge Trade By Touch a Quarter Split Circulate Boys Trade Girls Trade Girls Run</p>